New San Luis Obispo Courthouse

Initial Study / Mitigated Negative Declaration

Prepared for:
Judicial Council of California

MAY 2025

Volume 2 – Appendix

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Appendix A

Air Quality/Energy/Greenhouse Gas/Noise Modeling

New San Luis Obispo Courthouse
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San Luis Obispo Custom Report CalEEMod Inputs and Results

San Luis Obispo Courthouse Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	San Luis Obispo Courthouse
Construction Start Date	4/1/2027
Operational Year	2031
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.20
Precipitation (days)	32.4
Location	35.2833249598324, -120.65928627029757
County	San Luis Obispo
City	San Luis Obispo
Air District	San Luis Obispo County APCD
Air Basin	South Central Coast
TAZ	3330
EDFZ	6
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Government Office Building	174	1000sqft	1.28	174,000	12,000	—	—	Courthouse

Parking Lot	17.0	Space	0.15	0.00	0.00	—	—	Parking

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-8	Use Renewable Diesel
Construction	C-13	Use Low-VOC Paints for Construction
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-13	Install Electric Ranges in Place of Gas Ranges
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	404	404	13.3	15.1	0.03	0.52	7.23	7.75	0.48	3.46	3.94	—	3,549	3,549	0.14	0.20	3.14	3,615
Mit.	81.1	81.1	13.3	15.1	0.03	0.52	7.23	7.75	0.48	3.46	3.94	—	3,549	3,549	0.14	0.20	3.14	3,615
% Reduced	80%	80%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.80	1.48	13.4	15.1	0.03	0.51	6.66	7.17	0.47	3.11	3.58	—	3,546	3,546	0.15	0.20	0.09	3,610

Mit.	1.80	1.48	13.4	15.1	0.03	0.51	6.66	7.17	0.47	3.11	3.58	—	3,546	3,546	0.15	0.20	0.09	3,610
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.8	11.7	8.06	10.1	0.02	0.31	3.83	4.14	0.29	1.80	2.08	—	2,392	2,392	0.09	0.12	0.97	2,430
Mit.	3.00	2.88	8.06	10.1	0.02	0.31	3.83	4.14	0.29	1.80	2.08	—	2,392	2,392	0.09	0.12	0.97	2,430
% Reduced	75%	75%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.16	2.14	1.47	1.85	< 0.005	0.06	0.70	0.76	0.05	0.33	0.38	—	396	396	0.01	0.02	0.16	402
Mit.	0.55	0.53	1.47	1.85	< 0.005	0.06	0.70	0.76	0.05	0.33	0.38	—	396	396	0.01	0.02	0.16	402
% Reduced	75%	75%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.70	1.42	12.7	15.1	0.02	0.47	0.21	0.68	0.43	0.05	0.48	—	2,767	2,767	0.11	0.05	0.76	2,785
2028	1.80	1.48	13.3	14.6	0.03	0.52	7.23	7.75	0.48	3.46	3.94	—	3,549	3,549	0.14	0.20	2.20	3,615
2029	1.67	1.40	10.4	14.2	0.03	0.26	0.73	0.98	0.23	0.18	0.41	—	3,365	3,365	0.12	0.16	3.14	3,420
2030	404	404	10.1	14.1	0.03	0.23	0.73	0.96	0.22	0.18	0.40	—	3,330	3,330	0.12	0.16	2.81	3,384
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.69	1.42	12.7	15.1	0.02	0.47	0.21	0.68	0.43	0.05	0.48	—	2,762	2,762	0.11	0.05	0.02	2,780
2028	1.80	1.48	13.4	14.6	0.03	0.51	6.66	7.17	0.47	3.11	3.58	—	3,546	3,546	0.15	0.20	0.09	3,610

2029	1.67	1.40	10.4	14.2	0.03	0.26	0.73	0.98	0.23	0.18	0.41	—	3,346	3,346	0.13	0.17	0.08	3,398
2030	1.61	1.35	10.2	14.0	0.03	0.23	0.73	0.96	0.22	0.18	0.40	—	3,311	3,311	0.12	0.16	0.07	3,362
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.91	0.77	6.85	8.13	0.01	0.26	0.11	0.37	0.23	0.02	0.26	—	1,491	1,491	0.06	0.03	0.18	1,501
2028	1.12	0.94	8.06	9.41	0.02	0.31	3.83	4.14	0.29	1.80	2.08	—	2,067	2,067	0.08	0.09	0.49	2,095
2029	1.19	1.00	7.43	10.1	0.02	0.18	0.51	0.69	0.16	0.13	0.29	—	2,392	2,392	0.09	0.12	0.97	2,430
2030	11.8	11.7	4.98	6.88	0.01	0.12	0.34	0.46	0.11	0.08	0.19	—	1,612	1,612	0.06	0.08	0.58	1,637
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.17	0.14	1.25	1.48	< 0.005	0.05	0.02	0.07	0.04	< 0.005	0.05	—	247	247	0.01	< 0.005	0.03	249
2028	0.21	0.17	1.47	1.72	< 0.005	0.06	0.70	0.76	0.05	0.33	0.38	—	342	342	0.01	0.01	0.08	347
2029	0.22	0.18	1.36	1.85	< 0.005	0.03	0.09	0.13	0.03	0.02	0.05	—	396	396	0.01	0.02	0.16	402
2030	2.16	2.14	0.91	1.25	< 0.005	0.02	0.06	0.08	0.02	0.02	0.03	—	267	267	0.01	0.01	0.10	271

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.70	1.42	12.7	15.1	0.02	0.47	0.21	0.68	0.43	0.05	0.48	—	2,767	2,767	0.11	0.05	0.76	2,785
2028	1.80	1.48	13.3	14.6	0.03	0.52	7.23	7.75	0.48	3.46	3.94	—	3,549	3,549	0.14	0.20	2.20	3,615
2029	1.67	1.40	10.4	14.2	0.03	0.26	0.73	0.98	0.23	0.18	0.41	—	3,365	3,365	0.12	0.16	3.14	3,420
2030	81.1	81.1	10.1	14.1	0.03	0.23	0.73	0.96	0.22	0.18	0.40	—	3,330	3,330	0.12	0.16	2.81	3,384
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.69	1.42	12.7	15.1	0.02	0.47	0.21	0.68	0.43	0.05	0.48	—	2,762	2,762	0.11	0.05	0.02	2,780
2028	1.80	1.48	13.4	14.6	0.03	0.51	6.66	7.17	0.47	3.11	3.58	—	3,546	3,546	0.15	0.20	0.09	3,610
2029	1.67	1.40	10.4	14.2	0.03	0.26	0.73	0.98	0.23	0.18	0.41	—	3,346	3,346	0.13	0.17	0.08	3,398

2030	1.61	1.35	10.2	14.0	0.03	0.23	0.73	0.96	0.22	0.18	0.40	—	3,311	3,311	0.12	0.16	0.07	3,362
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.91	0.77	6.85	8.13	0.01	0.26	0.11	0.37	0.23	0.02	0.26	—	1,491	1,491	0.06	0.03	0.18	1,501
2028	1.12	0.94	8.06	9.41	0.02	0.31	3.83	4.14	0.29	1.80	2.08	—	2,067	2,067	0.08	0.09	0.49	2,095
2029	1.19	1.00	7.43	10.1	0.02	0.18	0.51	0.69	0.16	0.13	0.29	—	2,392	2,392	0.09	0.12	0.97	2,430
2030	3.00	2.88	4.98	6.88	0.01	0.12	0.34	0.46	0.11	0.08	0.19	—	1,612	1,612	0.06	0.08	0.58	1,637
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.17	0.14	1.25	1.48	< 0.005	0.05	0.02	0.07	0.04	< 0.005	0.05	—	247	247	0.01	< 0.005	0.03	249
2028	0.21	0.17	1.47	1.72	< 0.005	0.06	0.70	0.76	0.05	0.33	0.38	—	342	342	0.01	0.01	0.08	347
2029	0.22	0.18	1.36	1.85	< 0.005	0.03	0.09	0.13	0.03	0.02	0.05	—	396	396	0.01	0.02	0.16	402
2030	0.55	0.53	0.91	1.25	< 0.005	0.02	0.06	0.08	0.02	0.02	0.03	—	267	267	0.01	0.01	0.10	271

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.74	6.54	2.27	9.50	0.01	0.15	0.00	0.15	0.15	0.00	0.15	89.2	3,536	3,626	7.94	0.05	0.42	3,839
Mit.	4.50	4.41	2.11	1.85	0.01	0.13	0.00	0.13	0.13	0.00	0.13	89.2	3,261	3,350	7.91	0.05	0.42	3,562
% Reduced	33%	33%	7%	81%	12%	14%	—	14%	12%	—	12%	—	8%	8%	< 0.5%	6%	—	7%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.40	5.30	2.20	1.93	0.01	0.14	0.00	0.14	0.14	0.00	0.14	89.2	3,505	3,594	7.94	0.05	0.42	3,808
Mit.	4.50	4.41	2.11	1.85	0.01	0.13	0.00	0.13	0.13	0.00	0.13	89.2	3,259	3,348	7.91	0.05	0.42	3,559
% Reduced	17%	17%	4%	4%	—	5%	—	5%	5%	—	5%	—	7%	7%	< 0.5%	6%	—	7%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.19	6.03	1.18	7.79	0.01	0.10	0.00	0.10	0.09	0.00	0.09	89.2	3,335	3,424	7.93	0.05	0.42	3,637
Mit.	4.08	4.02	1.02	0.86	0.01	0.08	0.00	0.08	0.08	0.00	0.08	89.2	3,063	3,152	7.90	0.04	0.42	3,363
% Reduced	34%	33%	13%	89%	—	20%	—	20%	18%	—	18%	—	8%	8%	< 0.5%	6%	—	8%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.13	1.10	0.21	1.42	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	14.8	552	567	1.31	0.01	0.07	602
Mit.	0.74	0.73	0.19	0.16	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	14.8	507	522	1.31	0.01	0.07	557
% Reduced	34%	33%	13%	89%	14%	20%	—	20%	18%	—	18%	—	8%	8%	< 0.5%	6%	—	8%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	6.18	6.07	0.06	7.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Energy	0.12	0.06	1.06	0.89	0.01	0.08	—	0.08	0.08	—	0.08	—	3,292	3,292	0.44	0.04	—	3,316
Water	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36
Waste	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Stationary	0.45	0.41	1.15	1.05	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	0.00	210	210	0.01	< 0.005	0.00	211
Total	6.74	6.54	2.27	9.50	0.01	0.15	0.00	0.15	0.15	0.00	0.15	89.2	3,536	3,626	7.94	0.05	0.42	3,839
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	4.83	4.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.12	0.06	1.06	0.89	0.01	0.08	—	0.08	0.08	—	0.08	—	3,292	3,292	0.44	0.04	—	3,316
Water	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36
Waste	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Stationary	0.45	0.41	1.15	1.05	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	0.00	210	210	0.01	< 0.005	0.00	211
Total	5.40	5.30	2.20	1.93	0.01	0.14	0.00	0.14	0.14	0.00	0.14	89.2	3,505	3,594	7.94	0.05	0.42	3,808
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	6.05	5.95	0.06	6.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.1	28.1	< 0.005	< 0.005	—	28.2
Energy	0.12	0.06	1.06	0.89	0.01	0.08	—	0.08	0.08	—	0.08	—	3,292	3,292	0.44	0.04	—	3,316
Water	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36
Waste	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Stationary	0.02	0.02	0.06	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.5	11.5	< 0.005	< 0.005	0.00	11.5
Total	6.19	6.03	1.18	7.79	0.01	0.10	0.00	0.10	0.09	0.00	0.09	89.2	3,335	3,424	7.93	0.05	0.42	3,637
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	1.10	1.09	0.01	1.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.66	4.66	< 0.005	< 0.005	—	4.67
Energy	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	545	545	0.07	0.01	—	549
Water	—	—	—	—	—	—	—	—	—	—	—	0.32	0.50	0.81	< 0.005	< 0.005	—	1.05
Waste	—	—	—	—	—	—	—	—	—	—	—	14.5	0.00	14.5	1.24	0.00	—	45.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Stationary	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	1.90	1.90	< 0.005	< 0.005	0.00	1.91
Total	1.13	1.10	0.21	1.42	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	14.8	552	567	1.31	0.01	0.07	602

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	3.95	3.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.11	0.05	0.96	0.81	0.01	0.07	—	0.07	0.07	—	0.07	—	3,048	3,048	0.41	0.04	—	3,070
Water	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36
Waste	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Stationary	0.45	0.41	1.15	1.05	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	0.00	210	210	0.01	< 0.005	0.00	211
Total	4.50	4.41	2.11	1.85	0.01	0.13	0.00	0.13	0.13	0.00	0.13	89.2	3,261	3,350	7.91	0.05	0.42	3,562
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	3.95	3.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.11	0.05	0.96	0.81	0.01	0.07	—	0.07	0.07	—	0.07	—	3,046	3,046	0.41	0.04	—	3,068
Water	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36
Waste	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Stationary	0.45	0.41	1.15	1.05	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	0.00	210	210	0.01	< 0.005	0.00	211
Total	4.50	4.41	2.11	1.85	0.01	0.13	0.00	0.13	0.13	0.00	0.13	89.2	3,259	3,348	7.91	0.05	0.42	3,559
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Area	3.95	3.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.11	0.05	0.96	0.81	0.01	0.07	—	0.07	0.07	—	0.07	—	3,048	3,048	0.41	0.04	—	3,070
Water	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36
Waste	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Stationary	0.02	0.02	0.06	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.5	11.5	< 0.005	< 0.005	0.00	11.5
Total	4.08	4.02	1.02	0.86	0.01	0.08	0.00	0.08	0.08	0.00	0.08	89.2	3,063	3,152	7.90	0.04	0.42	3,363
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.72	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.02	0.01	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	505	505	0.07	0.01	—	508
Water	—	—	—	—	—	—	—	—	—	—	—	0.32	0.50	0.81	< 0.005	< 0.005	—	1.05
Waste	—	—	—	—	—	—	—	—	—	—	—	14.5	0.00	14.5	1.24	0.00	—	45.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Stationary	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	1.90	1.90	< 0.005	< 0.005	0.00	1.91
Total	0.74	0.73	0.19	0.16	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	14.8	507	522	1.31	0.01	0.07	557

3. Construction Emissions Details

3.1. Demolition (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	1.60	1.34	12.4	14.4	0.02	0.47	—	0.47	0.43	—	0.43	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	1.34	12.4	14.4	0.02	0.47	—	0.47	0.43	—	0.43	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.87	0.73	6.71	7.79	0.01	0.25	—	0.25	0.23	—	0.23	—	1,346	1,346	0.05	0.01	—	1,351
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.42	< 0.005	0.05	—	0.05	0.04	—	0.04	—	223	223	0.01	< 0.005	—	224
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.57	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	118	118	< 0.005	< 0.005	0.44	120
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	86.3	86.3	< 0.005	0.01	0.20	90.4
Hauling	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	69.5	69.5	< 0.005	0.01	0.12	73.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.56	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	113	113	< 0.005	0.01	0.01	114
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	86.4	86.4	< 0.005	0.01	0.01	90.3
Hauling	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	69.6	69.6	< 0.005	0.01	< 0.005	73.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.30	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	61.2	61.2	< 0.005	< 0.005	0.10	62.3
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46.6	46.6	< 0.005	0.01	0.05	48.7
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.5	37.5	< 0.005	0.01	0.03	39.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.02	10.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.72	7.72	< 0.005	< 0.005	0.01	8.07
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.21	6.21	< 0.005	< 0.005	< 0.005	6.53

3.2. Demolition (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Off-Road Equipment	1.60	1.34	12.4	14.4	0.02	0.47	—	0.47	0.43	—	0.43	—	2,494	2,494	0.10	0.02	—	2,502
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Off-Road Equipment	1.60	1.34	12.4	14.4	0.02	0.47	—	0.47	0.43	—	0.43	—	2,494	2,494	0.10	0.02	—	2,502
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Off-Road Equipment	0.87	0.73	6.71	7.79	0.01	0.25	—	0.25	0.23	—	0.23	—	1,346	1,346	0.05	0.01	—	1,351
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.22	1.42	< 0.005	0.05	—	0.05	0.04	—	0.04	—	223	223	0.01	< 0.005	—	224

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.57	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	118	118	< 0.005	< 0.005	0.44	120
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	86.3	86.3	< 0.005	0.01	0.20	90.4
Hauling	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	69.5	69.5	< 0.005	0.01	0.12	73.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.56	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	113	113	< 0.005	0.01	0.01	114
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	86.4	86.4	< 0.005	0.01	0.01	90.3
Hauling	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	69.6	69.6	< 0.005	0.01	< 0.005	73.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.30	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	61.2	61.2	< 0.005	< 0.005	0.10	62.3
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46.6	46.6	< 0.005	0.01	0.05	48.7
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.5	37.5	< 0.005	0.01	0.03	39.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.02	10.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.72	7.72	< 0.005	< 0.005	0.01	8.07
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.21	6.21	< 0.005	< 0.005	< 0.005	6.53

3.3. Site Preparation (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.67	1.40	11.8	13.6	0.02	0.50	—	0.50	0.46	—	0.46	—	2,335	2,335	0.09	0.02	—	2,343
Dust From Material Movement	—	—	—	—	—	—	6.27	6.27	—	3.01	3.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.67	1.40	11.8	13.6	0.02	0.50	—	0.50	0.46	—	0.46	—	2,335	2,335	0.09	0.02	—	2,343
Dust From Material Movement	—	—	—	—	—	—	6.27	6.27	—	3.01	3.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.29	2.43	2.80	< 0.005	0.10	—	0.10	0.09	—	0.09	—	480	480	0.02	< 0.005	—	481
Dust From Material Movement	—	—	—	—	—	—	1.29	1.29	—	0.62	0.62	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.51	< 0.005	0.02	—	0.02	0.02	—	0.02	—	79.4	79.4	< 0.005	< 0.005	—	79.7
Dust From Material Movement	—	—	—	—	—	—	0.24	0.24	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.40	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	86.6	86.6	< 0.005	< 0.005	0.30	88.1
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	84.1	84.1	< 0.005	0.01	0.18	88.0
Hauling	0.07	0.02	1.36	0.47	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	1,043	1,043	0.04	0.17	1.72	1,096
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.40	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	83.0	83.0	< 0.005	< 0.005	0.01	84.3
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	84.2	84.2	< 0.005	0.01	< 0.005	87.9
Hauling	0.07	0.02	1.40	0.48	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	1,044	1,044	0.04	0.17	0.04	1,094
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.2	17.2	< 0.005	< 0.005	0.03	17.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.02	18.1
Hauling	0.01	< 0.005	0.29	0.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	0.01	0.03	0.15	225
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.85	2.85	< 0.005	< 0.005	< 0.005	2.89
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.86	2.86	< 0.005	< 0.005	< 0.005	2.99
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.5	35.5	< 0.005	0.01	0.03	37.2

3.4. Site Preparation (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	6.27	6.27	—	3.01	3.01	—	—	—	—	—	—	—
Off-Road Equipment	1.67	1.40	11.8	13.6	0.02	0.50	—	0.50	0.46	—	0.46	—	2,335	2,335	0.09	0.02	—	2,343
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	6.27	6.27	—	3.01	3.01	—	—	—	—	—	—	—
Off-Road Equipment	1.67	1.40	11.8	13.6	0.02	0.50	—	0.50	0.46	—	0.46	—	2,335	2,335	0.09	0.02	—	2,343
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	1.29	1.29	—	0.62	0.62	—	—	—	—	—	—	—

Off-Roa Equipment	0.34	0.29	2.43	2.80	< 0.005	0.10	—	0.10	0.09	—	0.09	—	480	480	0.02	< 0.005	—	481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	0.24	0.24	—	0.11	0.11	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.06	0.05	0.44	0.51	< 0.005	0.02	—	0.02	0.02	—	0.02	—	79.4	79.4	< 0.005	< 0.005	—	79.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.40	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	86.6	86.6	< 0.005	< 0.005	0.30	88.1
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	84.1	84.1	< 0.005	0.01	0.18	88.0
Hauling	0.07	0.02	1.36	0.47	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	1,043	1,043	0.04	0.17	1.72	1,096
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.40	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	83.0	83.0	< 0.005	< 0.005	0.01	84.3
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	84.2	84.2	< 0.005	0.01	< 0.005	87.9
Hauling	0.07	0.02	1.40	0.48	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	1,044	1,044	0.04	0.17	0.04	1,094
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.2	17.2	< 0.005	< 0.005	0.03	17.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.02	18.1
Hauling	0.01	< 0.005	0.29	0.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	0.01	0.03	0.15	225
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.85	2.85	< 0.005	< 0.005	< 0.005	2.89
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.86	2.86	< 0.005	< 0.005	< 0.005	2.99
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.5	35.5	< 0.005	0.01	0.03	37.2

3.5. Grading (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.61	1.35	11.8	13.9	0.02	0.52	—	0.52	0.47	—	0.47	—	2,456	2,456	0.10	0.02	—	2,465
Dust From Material Movement	—	—	—	—	—	—	7.08	7.08	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	3.87	4.57	0.01	0.17	—	0.17	0.16	—	0.16	—	808	808	0.03	0.01	—	810
Dust From Material Movement	—	—	—	—	—	—	2.33	2.33	—	1.13	1.13	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.71	0.83	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Dust From Material Movement	—	—	—	—	—	—	0.43	0.43	—	0.21	0.21	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	57.8	57.8	< 0.005	< 0.005	0.20	58.7
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	84.1	84.1	< 0.005	0.01	0.18	88.0
Hauling	0.02	0.01	0.32	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	245	245	0.01	0.04	0.40	257
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.3	18.3	< 0.005	< 0.005	0.03	18.6
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.03	28.9
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	80.6	80.6	< 0.005	0.01	0.06	84.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.03	3.03	< 0.005	< 0.005	< 0.005	3.09
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.58	4.58	< 0.005	< 0.005	< 0.005	4.79
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.3	13.3	< 0.005	< 0.005	0.01	14.0

3.6. Grading (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	7.08	7.08	—	3.43	3.43	—	—	—	—	—	—	—
Off-Road Equipment	1.61	1.35	11.8	13.9	0.02	0.52	—	0.52	0.47	—	0.47	—	2,456	2,456	0.10	0.02	—	2,465
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	2.33	2.33	—	1.13	1.13	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	3.87	4.57	0.01	0.17	—	0.17	0.16	—	0.16	—	808	808	0.03	0.01	—	810
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Dust From Material Movement	—	—	—	—	—	—	0.43	0.43	—	0.21	0.21	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.71	0.83	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	57.8	57.8	< 0.005	< 0.005	0.20	58.7
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	84.1	84.1	< 0.005	0.01	0.18	88.0
Hauling	0.02	0.01	0.32	0.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	245	245	0.01	0.04	0.40	257
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.3	18.3	< 0.005	< 0.005	0.03	18.6
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.03	28.9
Hauling	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	80.6	80.6	< 0.005	0.01	0.06	84.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.03	3.03	< 0.005	< 0.005	< 0.005	3.09
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.58	4.58	< 0.005	< 0.005	< 0.005	4.79
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.3	13.3	< 0.005	< 0.005	0.01	14.0

3.7. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	9.38	11.7	0.02	0.27	—	0.27	0.25	—	0.25	—	2,036	2,036	0.08	0.02	—	2,043
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.12	1.40	< 0.005	0.03	—	0.03	0.03	—	0.03	—	243	243	0.01	< 0.005	—	244
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.20	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.2	40.2	< 0.005	< 0.005	—	40.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.32	0.31	0.19	2.25	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	471	471	0.02	0.02	0.04	478
Vendor	0.05	0.02	1.02	0.41	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	737	737	0.02	0.11	0.04	769
Hauling	0.01	< 0.005	0.18	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	136	136	0.01	0.02	0.01	143
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	56.6	56.6	< 0.005	< 0.005	0.09	57.5
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	87.9	87.9	< 0.005	0.01	0.08	91.8
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.2	16.2	< 0.005	< 0.005	0.01	17.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.37	9.37	< 0.005	< 0.005	0.01	9.52
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.6	14.6	< 0.005	< 0.005	0.01	15.2
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.69	2.69	< 0.005	< 0.005	< 0.005	2.82

3.8. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	9.38	11.7	0.02	0.27	—	0.27	0.25	—	0.25	—	2,036	2,036	0.08	0.02	—	2,043
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.16	0.13	1.12	1.40	< 0.005	0.03	—	0.03	0.03	—	0.03	—	243	243	0.01	< 0.005	—	244
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.20	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.2	40.2	< 0.005	< 0.005	—	40.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.31	0.19	2.25	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	471	471	0.02	0.02	0.04	478
Vendor	0.05	0.02	1.02	0.41	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	737	737	0.02	0.11	0.04	769
Hauling	0.01	< 0.005	0.18	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	136	136	0.01	0.02	0.01	143
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	56.6	56.6	< 0.005	< 0.005	0.09	57.5
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	87.9	87.9	< 0.005	0.01	0.08	91.8
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.2	16.2	< 0.005	< 0.005	0.01	17.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.37	9.37	< 0.005	< 0.005	0.01	9.52
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.6	14.6	< 0.005	< 0.005	0.01	15.2
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.69	2.69	< 0.005	< 0.005	< 0.005	2.82

3.9. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.31	1.09	9.10	11.6	0.02	0.24	—	0.24	0.22	—	0.22	—	2,035	2,035	0.08	0.02	—	2,042
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.31	1.09	9.10	11.6	0.02	0.24	—	0.24	0.22	—	0.22	—	2,035	2,035	0.08	0.02	—	2,042
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.78	6.50	8.30	0.02	0.17	—	0.17	0.16	—	0.16	—	1,454	1,454	0.06	0.01	—	1,459
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.19	1.52	< 0.005	0.03	—	0.03	0.03	—	0.03	—	241	241	0.01	< 0.005	—	242
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.29	0.16	2.17	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	483	483	0.01	0.02	1.55	491
Vendor	0.05	0.03	0.94	0.38	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	715	715	0.02	0.11	1.39	748
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	132	132	0.01	0.02	0.20	139
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.28	0.19	2.13	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	463	463	0.02	0.02	0.04	470
Vendor	0.05	0.02	0.97	0.39	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	715	715	0.02	0.11	0.04	748
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	132	132	0.01	0.02	0.01	139
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.20	0.12	1.49	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	333	333	0.01	0.02	0.48	338
Vendor	0.03	0.02	0.69	0.28	< 0.005	0.01	0.14	0.15	< 0.005	0.04	0.04	—	511	511	0.01	0.08	0.43	534
Hauling	0.01	< 0.005	0.13	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	94.5	94.5	< 0.005	0.01	0.06	99.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	55.1	55.1	< 0.005	< 0.005	0.08	56.0
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	84.6	84.6	< 0.005	0.01	0.07	88.4
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.6	15.6	< 0.005	< 0.005	0.01	16.4

3.10. Building Construction (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.31	1.09	9.10	11.6	0.02	0.24	—	0.24	0.22	—	0.22	—	2,035	2,035	0.08	0.02	—	2,042
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.31	1.09	9.10	11.6	0.02	0.24	—	0.24	0.22	—	0.22	—	2,035	2,035	0.08	0.02	—	2,042
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.78	6.50	8.30	0.02	0.17	—	0.17	0.16	—	0.16	—	1,454	1,454	0.06	0.01	—	1,459
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.19	1.52	< 0.005	0.03	—	0.03	0.03	—	0.03	—	241	241	0.01	< 0.005	—	242
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.29	0.16	2.17	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	483	483	0.01	0.02	1.55	491
Vendor	0.05	0.03	0.94	0.38	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	715	715	0.02	0.11	1.39	748
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	132	132	0.01	0.02	0.20	139

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.28	0.19	2.13	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	463	463	0.02	0.02	0.04	470
Vendor	0.05	0.02	0.97	0.39	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	715	715	0.02	0.11	0.04	748
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	132	132	0.01	0.02	0.01	139
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.20	0.12	1.49	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	333	333	0.01	0.02	0.48	338
Vendor	0.03	0.02	0.69	0.28	< 0.005	0.01	0.14	0.15	< 0.005	0.04	0.04	—	511	511	0.01	0.08	0.43	534
Hauling	0.01	< 0.005	0.13	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	94.5	94.5	< 0.005	0.01	0.06	99.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	55.1	55.1	< 0.005	< 0.005	0.08	56.0
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	84.6	84.6	< 0.005	0.01	0.07	88.4
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.6	15.6	< 0.005	< 0.005	0.01	16.4

3.11. Building Construction (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	1.05	8.94	11.6	0.02	0.23	—	0.23	0.21	—	0.21	—	2,035	2,035	0.08	0.02	—	2,042
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.27	1.05	8.94	11.6	0.02	0.23	—	0.23	0.21	—	0.21	—	2,035	2,035	0.08	0.02	—	2,042
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.60	0.50	4.25	5.51	0.01	0.11	—	0.11	0.10	—	0.10	—	968	968	0.04	0.01	—	971
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.11	0.09	0.78	1.01	< 0.005	0.02	—	0.02	0.02	—	0.02	—	160	160	0.01	< 0.005	—	161
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.28	0.14	2.04	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	475	475	0.01	0.02	1.40	483
Vendor	0.04	0.03	0.90	0.37	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	692	692	0.02	0.10	1.23	724
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	128	128	< 0.005	0.02	0.18	135
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.27	0.17	2.00	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	455	455	0.01	0.02	0.04	462
Vendor	0.04	0.02	0.93	0.38	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	693	693	0.02	0.10	0.03	723
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	128	128	< 0.005	0.02	< 0.005	135
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.14	0.13	0.08	0.94	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	218	218	0.01	0.01	0.29	221
Vendor	0.02	0.01	0.44	0.18	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	329	329	0.01	0.05	0.25	344
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.0	61.0	< 0.005	0.01	0.04	64.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.1	36.1	< 0.005	< 0.005	0.05	36.6
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	54.5	54.5	< 0.005	0.01	0.04	57.0
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.01	10.6

3.12. Building Construction (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	1.05	8.94	11.6	0.02	0.23	—	0.23	0.21	—	0.21	—	2,035	2,035	0.08	0.02	—	2,042
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	1.05	8.94	11.6	0.02	0.23	—	0.23	0.21	—	0.21	—	2,035	2,035	0.08	0.02	—	2,042
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.60	0.50	4.25	5.51	0.01	0.11	—	0.11	0.10	—	0.10	—	968	968	0.04	0.01	—	971
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.78	1.01	< 0.005	0.02	—	0.02	0.02	—	0.02	—	160	160	0.01	< 0.005	—	161
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.28	0.14	2.04	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	475	475	0.01	0.02	1.40	483
Vendor	0.04	0.03	0.90	0.37	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	692	692	0.02	0.10	1.23	724
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	128	128	< 0.005	0.02	0.18	135
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.27	0.17	2.00	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	455	455	0.01	0.02	0.04	462
Vendor	0.04	0.02	0.93	0.38	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	693	693	0.02	0.10	0.03	723
Hauling	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	128	128	< 0.005	0.02	< 0.005	135
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.08	0.94	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	218	218	0.01	0.01	0.29	221
Vendor	0.02	0.01	0.44	0.18	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	329	329	0.01	0.05	0.25	344
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.0	61.0	< 0.005	0.01	0.04	64.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.1	36.1	< 0.005	< 0.005	0.05	36.6
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	54.5	54.5	< 0.005	0.01	0.04	57.0

Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.01	10.6

3.13. Paving (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.94	6.47	0.01	0.13	—	0.13	0.12	—	0.12	—	991	991	0.04	0.01	—	994
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	27.2	27.2	< 0.005	< 0.005	—	27.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.50	4.50	< 0.005	< 0.005	—	4.51
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.30	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	69.8	69.8	< 0.005	< 0.005	0.21	71.0
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.5	39.5	< 0.005	0.01	0.07	41.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.85	1.85	< 0.005	< 0.005	< 0.005	1.87
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.08	1.08	< 0.005	< 0.005	< 0.005	1.13
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.31
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.18	0.18	< 0.005	< 0.005	< 0.005	0.19
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.49	0.41	3.94	6.47	0.01	0.13	—	0.13	0.12	—	0.12	—	991	991	0.04	0.01	—	994
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	27.2	27.2	< 0.005	< 0.005	—	27.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.50	4.50	< 0.005	< 0.005	—	4.51
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.30	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	69.8	69.8	< 0.005	< 0.005	0.21	71.0
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.5	39.5	< 0.005	0.01	0.07	41.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.85	1.85	< 0.005	< 0.005	< 0.005	1.87
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.08	1.08	< 0.005	< 0.005	< 0.005	1.13
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.31
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.18	0.18	< 0.005	< 0.005	< 0.005	0.19
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	404	404	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.66	3.66	< 0.005	< 0.005	—	3.67
Architectural Coatings	11.1	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.61	0.61	< 0.005	< 0.005	—	0.61
Architectural Coatings	2.02	2.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	62.2	62.2	< 0.005	< 0.005	0.18	63.2
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.5	39.5	< 0.005	0.01	0.07	41.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.64	1.64	< 0.005	< 0.005	< 0.005	1.67
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.08	1.08	< 0.005	< 0.005	< 0.005	1.13
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.27	0.27	< 0.005	< 0.005	< 0.005	0.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.18	0.18	< 0.005	< 0.005	< 0.005	0.19
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Architectural Coating (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	80.9	80.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.22	2.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.66	3.66	< 0.005	< 0.005	—	3.67

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.61	0.61	< 0.005	< 0.005	—	0.61
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.27	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	62.2	62.2	< 0.005	< 0.005	0.18	63.2
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.5	39.5	< 0.005	0.01	0.07	41.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.64	1.64	< 0.005	< 0.005	< 0.005	1.67
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.08	1.08	< 0.005	< 0.005	< 0.005	1.13
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.27	0.27	< 0.005	< 0.005	< 0.005	0.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.18	0.18	< 0.005	< 0.005	< 0.005	0.19
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,030	2,030	0.33	0.04	—	2,050
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3.20	3.20	< 0.005	< 0.005	—	3.23
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,033	2,033	0.33	0.04	—	2,053
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,030	2,030	0.33	0.04	—	2,050
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3.20	3.20	< 0.005	< 0.005	—	3.23
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,033	2,033	0.33	0.04	—	2,053
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	336	336	0.05	0.01	—	339
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.53	0.53	< 0.005	< 0.005	—	0.53

Total	—	—	—	—	—	—	—	—	—	—	—	—	337	337	0.05	0.01	—	340

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,901	1,901	0.31	0.04	—	1,920
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3.20	3.20	< 0.005	< 0.005	—	3.23
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,904	1,904	0.31	0.04	—	1,923
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,898	1,898	0.31	0.04	—	1,917
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3.20	3.20	< 0.005	< 0.005	—	3.23
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,902	1,902	0.31	0.04	—	1,920
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	315	315	0.05	0.01	—	318
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.53	0.53	< 0.005	< 0.005	—	0.53
Total	—	—	—	—	—	—	—	—	—	—	—	—	315	315	0.05	0.01	—	318

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.12	0.06	1.06	0.89	0.01	0.08	—	0.08	0.08	—	0.08	—	1,260	1,260	0.11	< 0.005	—	1,263
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.06	0.89	0.01	0.08	—	0.08	0.08	—	0.08	—	1,260	1,260	0.11	< 0.005	—	1,263
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.12	0.06	1.06	0.89	0.01	0.08	—	0.08	0.08	—	0.08	—	1,260	1,260	0.11	< 0.005	—	1,263
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.06	0.89	0.01	0.08	—	0.08	0.08	—	0.08	—	1,260	1,260	0.11	< 0.005	—	1,263
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	209	209	0.02	< 0.005	—	209
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	209	209	0.02	< 0.005	—	209

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.11	0.05	0.96	0.81	0.01	0.07	—	0.07	0.07	—	0.07	—	1,144	1,144	0.10	< 0.005	—	1,147
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.11	0.05	0.96	0.81	0.01	0.07	—	0.07	0.07	—	0.07	—	1,144	1,144	0.10	< 0.005	—	1,147
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.11	0.05	0.96	0.81	0.01	0.07	—	0.07	0.07	—	0.07	—	1,144	1,144	0.10	< 0.005	—	1,147
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.11	0.05	0.96	0.81	0.01	0.07	—	0.07	0.07	—	0.07	—	1,144	1,144	0.10	< 0.005	—	1,147
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	0.02	0.01	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	189	189	0.02	< 0.005	—	190
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	189	189	0.02	< 0.005	—	190

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.72	3.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.11	1.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.35	1.24	0.06	7.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Total	6.18	6.07	0.06	7.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.72	3.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.11	1.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	4.83	4.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.68	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coating	0.20	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.22	0.21	0.01	1.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.66	4.66	< 0.005	< 0.005	—	4.67
Total	1.10	1.09	0.01	1.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.66	4.66	< 0.005	< 0.005	—	4.67

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.72	3.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.22	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.95	3.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.72	3.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.22	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.95	3.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.68	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.72	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	0.32	0.50	0.81	< 0.005	< 0.005	—	1.05
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.32	0.50	0.81	< 0.005	< 0.005	—	1.05

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	1.92	2.99	4.92	0.01	< 0.005	—	6.36
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	0.32	0.50	0.81	< 0.005	< 0.005	—	1.05
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.32	0.50	0.81	< 0.005	< 0.005	—	1.05

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	14.5	0.00	14.5	1.24	0.00	—	45.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	14.5	0.00	14.5	1.24	0.00	—	45.4

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	87.3	0.00	87.3	7.48	0.00	—	274

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	14.5	0.00	14.5	1.24	0.00	—	45.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	14.5	0.00	14.5	1.24	0.00	—	45.4

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.45	0.41	1.15	1.05	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	0.00	210	210	0.01	< 0.005	0.00	211
Total	0.45	0.41	1.15	1.05	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	0.00	210	210	0.01	< 0.005	0.00	211
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.45	0.41	1.15	1.05	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	0.00	210	210	0.01	< 0.005	0.00	211
Total	0.45	0.41	1.15	1.05	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	0.00	210	210	0.01	< 0.005	0.00	211
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	1.90	1.90	< 0.005	< 0.005	0.00	1.91
Total	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	1.90	1.90	< 0.005	< 0.005	0.00	1.91

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.45	0.41	1.15	1.05	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	0.00	210	210	0.01	< 0.005	0.00	211
Total	0.45	0.41	1.15	1.05	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	0.00	210	210	0.01	< 0.005	0.00	211
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.45	0.41	1.15	1.05	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	0.00	210	210	0.01	< 0.005	0.00	211
Total	0.45	0.41	1.15	1.05	< 0.005	0.06	0.00	0.06	0.06	0.00	0.06	0.00	210	210	0.01	< 0.005	0.00	211
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	1.90	1.90	< 0.005	< 0.005	0.00	1.91
Total	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	1.90	1.90	< 0.005	< 0.005	0.00	1.91

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	4/1/2027	12/31/2027	5.00	197	—
Site Preparation	Site Preparation	1/1/2028	4/15/2028	5.00	75.0	—
Grading	Grading	4/16/2028	9/30/2028	5.00	120	—
Building Construction	Building Construction	11/1/2028	8/31/2030	5.00	478	—
Paving	Paving	9/1/2030	9/13/2030	5.00	10.0	—
Architectural Coating	Architectural Coating	9/16/2030	9/28/2030	5.00	10.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41

Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Site Preparation	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Site Preparation	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Site Preparation	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Building Construction	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

Demolition	Tractors/Loaders/Back	Diesel	Average	3.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Site Preparation	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Site Preparation	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Site Preparation	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Building Construction	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38

Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	20.0	8.10	LDA,LDT1,LDT2
Demolition	Vendor	4.00	6.90	HHDT,MHDT
Demolition	Hauling	0.99	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	15.0	8.10	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00	6.90	HHDT,MHDT
Site Preparation	Hauling	15.3	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	8.10	LDA,LDT1,LDT2
Grading	Vendor	4.00	6.90	HHDT,MHDT
Grading	Hauling	3.60	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	85.0	8.10	LDA,LDT1,LDT2
Building Construction	Vendor	35.0	6.90	HHDT,MHDT
Building Construction	Hauling	2.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—

Paving	Worker	12.5	8.10	LDA,LDT1,LDT2
Paving	Vendor	2.00	6.90	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	11.1	8.10	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	6.90	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	20.0	8.10	LDA,LDT1,LDT2
Demolition	Vendor	4.00	6.90	HHDT,MHDT
Demolition	Hauling	0.99	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	15.0	8.10	LDA,LDT1,LDT2
Site Preparation	Vendor	4.00	6.90	HHDT,MHDT
Site Preparation	Hauling	15.3	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	10.0	8.10	LDA,LDT1,LDT2
Grading	Vendor	4.00	6.90	HHDT,MHDT
Grading	Hauling	3.60	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—

Building Construction	Worker	85.0	8.10	LDA,LDT1,LDT2
Building Construction	Vendor	35.0	6.90	HHDT,MHDT
Building Construction	Hauling	2.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	8.10	LDA,LDT1,LDT2
Paving	Vendor	2.00	6.90	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	11.1	8.10	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	6.90	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	261,000	87,000	392

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	17,039	—
Site Preparation	—	9,200	70.3	0.00	—
Grading	3,450	0.00	120	0.00	—
Paving	0.00	0.00	0.00	0.00	0.15

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Government Office Building	0.00	0%
Parking Lot	0.15	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	204	0.03	< 0.005
2028	0.00	204	0.03	< 0.005
2029	0.00	204	0.03	< 0.005
2030	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	261,000	87,000	392

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	330

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	330

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Government Office Building	3,631,619	204	0.0330	0.0040	3,930,304
Parking Lot	5,724	204	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Government Office Building	3,397,091	204	0.0330	0.0040	3,569,449
Parking Lot	5,724	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Government Office Building	900,000	125,533
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Government Office Building	900,000	125,533
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Government Office Building	162	—
Parking Lot	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Government Office Building	162	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	1.00	1.00	20.0	250	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Information from project description
Land Use	Information contained in project description
Construction: Construction Phases	based on construction schedule in project description
Construction: Off-Road Equipment	Added equipment based on project description.
Operations: Water and Waste Water	adjusted with water use estimates from project description.
Construction: Trips and VMT	increased number of workers and vendors to match information provided.
Operations: Vehicle Data	no net change in traffic.
Operations: Solid Waste	based on current landfill requirements

Appendix A-2

San Luis Obispo Quarterly Report CalEEMod Inputs and Results

San Luis Obispo Courthouse Quarterly Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	San Luis Obispo Courthouse
Construction Start Date	4/1/2027
Operational Year	2031
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.20
Precipitation (days)	32.4
Location	35.2833249598324, -120.65928627029757
County	San Luis Obispo
City	San Luis Obispo
Air District	San Luis Obispo County APCD
Air Basin	South Central Coast
TAZ	3330
EDFZ	6
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Government Office Building	174	1000sqft	1.28	174,000	12,000	—	—	Courthouse

Parking Lot	17.0	Space	0.15	0.00	0.00	—	—	Parking

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-8	Use Renewable Diesel
Construction	C-13	Use Low-VOC Paints for Construction
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-13	Install Electric Ranges in Place of Gas Ranges
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.1. Construction Emissions

2.1.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (ton/quarter) and GHGs (MT/quarter)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Q1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.06	0.05	0.41	0.49	< 0.005	0.02	0.01	0.02	0.01	< 0.005	0.02	—	81.6	81.6	< 0.005	< 0.005	0.02	82.1
Mit.	0.06	0.05	0.41	0.49	< 0.005	0.02	0.01	0.02	0.01	< 0.005	0.02	—	81.6	81.6	< 0.005	< 0.005	0.02	82.1
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.06	0.05	0.41	0.49	< 0.005	0.02	0.01	0.02	0.01	< 0.005	0.02	—	81.6	81.6	< 0.005	< 0.005	0.02	82.1
Mit.	0.06	0.05	0.41	0.49	< 0.005	0.02	0.01	0.02	0.01	< 0.005	0.02	—	81.6	81.6	< 0.005	< 0.005	0.02	82.1

% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.06	0.05	0.41	0.49	< 0.005	0.02	0.01	0.02	0.01	< 0.005	0.02	—	81.4	81.4	< 0.005	< 0.005	< 0.005	82.0
Mit.	0.06	0.05	0.41	0.49	< 0.005	0.02	0.01	0.02	0.01	< 0.005	0.02	—	81.4	81.4	< 0.005	< 0.005	< 0.005	82.0
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.06	0.05	0.43	0.47	< 0.005	0.02	0.21	0.23	0.02	0.10	0.11	—	104	104	< 0.005	0.01	< 0.005	106
Mit.	0.06	0.05	0.43	0.47	< 0.005	0.02	0.21	0.23	0.02	0.10	0.11	—	104	104	< 0.005	0.01	< 0.005	106
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.06	0.05	0.40	0.47	< 0.005	0.02	0.23	0.25	0.02	0.11	0.13	—	87.7	87.7	< 0.005	< 0.005	0.03	88.7
Mit.	0.06	0.05	0.40	0.47	< 0.005	0.02	0.23	0.25	0.02	0.11	0.13	—	87.7	87.7	< 0.005	< 0.005	0.03	88.7
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.05	0.05	0.40	0.47	< 0.005	0.02	0.23	0.25	0.02	0.11	0.13	—	83.8	83.8	< 0.005	< 0.005	0.02	84.6
Mit.	0.05	0.05	0.40	0.47	< 0.005	0.02	0.23	0.25	0.02	0.11	0.13	—	83.8	83.8	< 0.005	< 0.005	0.02	84.6
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.10	0.09	0.65	0.88	< 0.005	0.02	0.05	0.07	0.01	0.01	0.03	—	188	188	0.01	0.01	0.01	191
Mit.	0.10	0.09	0.65	0.88	< 0.005	0.02	0.05	0.07	0.01	0.01	0.03	—	188	188	0.01	0.01	0.01	191
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.16	0.14	1.02	1.39	< 0.005	0.02	0.07	0.10	0.02	0.02	0.04	—	296	296	0.01	0.01	0.01	301
Mit.	0.16	0.14	1.02	1.39	< 0.005	0.02	0.07	0.10	0.02	0.02	0.04	—	296	296	0.01	0.01	0.01	301

% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.11	0.09	0.68	0.93	< 0.005	0.02	0.05	0.06	0.01	0.01	0.03	—	201	201	0.01	0.01	0.17	204
Mit.	0.11	0.09	0.68	0.93	< 0.005	0.02	0.05	0.06	0.01	0.01	0.03	—	201	201	0.01	0.01	0.17	204
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.11	0.09	0.67	0.92	< 0.005	0.02	0.05	0.06	0.01	0.01	0.03	—	197	197	0.01	0.01	0.18	201
Mit.	0.11	0.09	0.67	0.92	< 0.005	0.02	0.05	0.06	0.01	0.01	0.03	—	197	197	0.01	0.01	0.18	201
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.16	0.13	1.01	1.37	< 0.005	0.02	0.07	0.09	0.02	0.02	0.04	—	292	292	0.01	0.01	0.01	296
Mit.	0.16	0.13	1.01	1.37	< 0.005	0.02	0.07	0.09	0.02	0.02	0.04	—	292	292	0.01	0.01	0.01	296
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.16	0.14	1.02	1.39	< 0.005	0.02	0.07	0.10	0.02	0.02	0.04	—	296	296	0.01	0.01	0.01	301
Mit.	0.16	0.14	1.02	1.39	< 0.005	0.02	0.07	0.10	0.02	0.02	0.04	—	296	296	0.01	0.01	0.01	301
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.11	0.09	0.68	0.94	< 0.005	0.02	0.05	0.06	0.01	0.01	0.03	—	202	202	0.01	0.01	0.17	205
Mit.	0.11	0.09	0.68	0.94	< 0.005	0.02	0.05	0.06	0.01	0.01	0.03	—	202	202	0.01	0.01	0.17	205
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.52	1.51	0.51	0.70	< 0.005	0.01	0.03	0.05	0.01	0.01	0.02	—	149	149	0.01	0.01	0.13	151
Mit.	0.37	0.36	0.51	0.70	< 0.005	0.01	0.03	0.05	0.01	0.01	0.02	—	149	149	0.01	0.01	0.13	151

% Reduced	76%	76%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.43	0.43	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.23	0.23	< 0.005	< 0.005	< 0.005	0.23
Mit.	0.09	0.09	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.23	0.23	< 0.005	< 0.005	< 0.005	0.23
% Reduced	80%	80%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quarterly (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.44	1.44	0.89	1.13	< 0.005	0.02	0.20	0.20	0.02	0.11	0.11	—	180	180	0.01	0.01	0.18	181
Mit.	0.29	0.29	0.89	1.13	< 0.005	0.02	0.20	0.20	0.02	0.11	0.11	—	180	180	0.01	0.01	0.18	181
% Reduced	80%	80%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.1.2. Construction Quarters

Quarter	Start Date	End Date	Length (days)
Q1	4/1/2027	6/30/2027	91
Q2	7/1/2027	9/29/2027	91
Q3	9/30/2027	12/29/2027	91
Q4	12/30/2027	3/29/2028	91
Q5	3/30/2028	6/28/2028	91
Q6	6/29/2028	9/27/2028	91
Q7	9/28/2028	12/27/2028	91
Q8	12/28/2028	3/28/2029	91
Q9	3/29/2029	6/27/2029	91
Q10	6/28/2029	9/26/2029	91
Q11	9/27/2029	12/26/2029	91
Q12	12/27/2029	3/27/2030	91
Q13	3/28/2030	6/26/2030	91

Q14	6/27/2030	9/25/2030	91
Q15	9/26/2030	9/28/2030	3

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (ton/quarter) and GHGs (MT/quarter)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Quarterly	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.28	0.28	0.05	0.36	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	3.69	138	142	0.33	< 0.005	0.02	151
Mit.	0.19	0.18	0.05	0.04	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	3.69	127	130	0.33	< 0.005	0.02	139
% Reduced	34%	33%	13%	89%	14%	20%	—	20%	18%	—	18%	—	8%	8%	< 0.5%	6%	—	8%

Appendix A-3

Energy Calculations

			Weighting					Fuel Economy (miles per gallon or miles per kilowatt hour)					Weighted Fuel Economy	Weighted Fuel Economy
			LDA	LDT1	LDT2	MHDT	HHDT	LDA	LDT1	LDT2	MHDT	HHDT	Miles per Gallon	Miles per kilowatt hours
	Worker	LDA, LDT1,LDT2	0.5	0.25	0.25	0	0	31.20802478	25.65373	25.56336			28.40828371	
	Vendor	HHDT,MHDT	0	0	0	0.5	0.5							
Gasoline	Hauling	HHDT	0	0	0	0	1							
	Worker	LDA, LDT1,LDT2	0.5	0.25	0.25	0	0	43.20419628	24.72051	33.87879			36.25192231	
	Vendor	HHDT,MHDT	0	0	0	0.5	0.5				8.847808	6.318189288	7.582998587	
Diesel	Hauling	HHDT	0	0	0	0	1					6.318189288	6.318189288	
	Worker	LDA, LDT1,LDT2	0.5	0.25	0.25	0	0	3.310931518	2.59012	2.59012				2.950525637
	Vendor	HHDT,MHDT	0	0	0	0	0							
Electric	Hauling	HHDT	0	0	0	0	0							
	Worker (gasoline part)		0.5	0.25	0.25	0	0	28.75789399	28.5619	28.48842			28.64152484	
	Worker (electric part)	LDA, LDT1,LDT2	0.5	0.25	0.25	0	0	3.310931518	3.310932	3.310932				3.310931518
	Vendor	HHDT,MHDT	0	0	0	0	0							
Hybrid	Hauling	HHDT	0	0	0	0	0							

Notes:

1. It was assumed all MHDT and HHDT are diesel. LDA, LDT1, and LDT2 were assumed to be a mix of gasoline, diesel, electric or hybrid as ratioed by their VMT.
2. EMFAC 2021 was used to estimate fuel economy based on VMT and fuel consumption.

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Statewide
Region: California
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/year for CVMT and EVMT, trips/year for Trips, kWh/year for Energy Consumption, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	Calendar Y	Vehicle Ca	Model Yea	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Energy Co	Fuel Consumption
Statewide	2027	HHDT	Aggregate	Aggregate	Gasoline	90.74515	2535086	2535086	0	593710.7	0	615.5242
Statewide	2027	HHDT	Aggregate	Aggregate	Diesel	330234.7	1.4E+10	1.4E+10	0	1.68E+09	0	2209942
Statewide	2027	HHDT	Aggregate	Aggregate	Electricity	5656.524	2.14E+08	0	2.14E+08	26001597	3.91E+08	0
Statewide	2027	LDA	Aggregate	Aggregate	Gasoline	12713197	1.73E+11	1.73E+11	0	2.04E+10	0	5536771
Statewide	2027	LDA	Aggregate	Aggregate	Diesel	34811	3.57E+08	3.57E+08	0	50674314	0	8255.351
Statewide	2027	LDA	Aggregate	Aggregate	Electricity	945896.6	1.53E+10	0	1.53E+10	1.61E+09	5.92E+09	0
Statewide	2027	LDA	Aggregate	Aggregate	Plug-in Hyb	432800	6.77E+09	3.15E+09	3.62E+09	6.21E+08	1.09E+09	109477.6
Statewide	2027	LDT1	Aggregate	Aggregate	Gasoline	1225903	1.45E+10	1.45E+10	0	1.85E+09	0	564831.9
Statewide	2027	LDT1	Aggregate	Aggregate	Diesel	249.3117	1201565	1201565	0	240513.7	0	48.606
Statewide	2027	LDT1	Aggregate	Aggregate	Electricity	5171.971	83094138	0	83094138	8771438	32081195	0
Statewide	2027	LDT1	Aggregate	Aggregate	Plug-in Hyb	3840.471	65633490	27652873	37980617	5510480	11471278	968.1736
Statewide	2027	LDT2	Aggregate	Aggregate	Gasoline	6533170	8.98E+10	8.98E+10	0	1.06E+10	0	3512699
Statewide	2027	LDT2	Aggregate	Aggregate	Diesel	23723.73	3.35E+08	3.35E+08	0	39004813	0	9880.886
Statewide	2027	LDT2	Aggregate	Aggregate	Electricity	73247.28	8.86E+08	0	8.86E+08	1.28E+08	3.42E+08	0
Statewide	2027	LDT2	Aggregate	Aggregate	Plug-in Hyb	75958.15	1.23E+09	5.43E+08	6.9E+08	1.09E+08	2.08E+08	19046.72
Statewide	2027	MHDT	Aggregate	Aggregate	Gasoline	45832.05	8.09E+08	8.09E+08	0	3E+08	0	158081.5
Statewide	2027	MHDT	Aggregate	Aggregate	Diesel	292488.2	3.87E+09	3.87E+09	0	1.09E+09	0	436873.5
Statewide	2027	MHDT	Aggregate	Aggregate	Electricity	7633.639	1.3E+08	0	1.3E+08	30744842	1.4E+08	0

Appendix A-4

Noise Calculations for San Luis Obispo Courthouse Project

Noise Calculations for San Luis Obispo Courthouse Project

Mechanical		
Construction Equipment 1 (Jack Hammer)	89	dBA at 50 feet
Construction Equipment 2 (Crane)	88	dBA at 50 feet
Combined Daytime Noise at 50 feet (Ltotal at 50 feet)	91.5	dBA
Ltotal=10 log(10^L1/10+10^L2/10)		

Noise Threshold Limits and Distances from Project Sites to those Limits for Construction Equipment by Technique

Noise Threshold	**Threshold Level - Leq (dBA)**	**Distance to Leq Threshold from Middle of Project Site (feet)**
Sensitive Receptors	90	59.7
Source: FTA 2018		

Vibration Source Levels for Construction Equipment (FTA 2018)

Equipment	**PPV at 25 feet**	**VBA**
Vibratory Roller	0.21	94
Loaded Trucks	0.076	86

Vibration Calculations with Equations for Vibration-Causing Equipment for Project Site (Roller)

Threshold	**Distance to Threshold from Middle of Project Site (feet)**	**Notes**
PPV=PPVref * (25/d)^1.5	36.3	Building damage threshold - 0.12 PPV (extremely susceptible buildings)
VdB=VdBref-30log(d/25)	73.2	Human Annoyance (80 VdB)

Vibration Calculations with Equations for Vibration-Causing Equipment for Project Site (Loaded Trucks)

Threshold	**Distance to Threshold from Middle of Project Site (feet)**	**Notes**
PPV=PPVref * (25/d)^1.5	18.4	Building damage threshold - 0.12 PPV (extremely susceptible buildings)
VdB=VdBref-30log(d/25)	39.6	Human Annoyance (80 VdB)

Appendix B

Biological Resources Technical Study

New San Luis Obispo Courthouse
Initial Study / Mitigated Negative Declaration

Appendix B-1

Biological Resources Report for the New San Luis Obispo Courthouse Project - Site 1

Technical Report

BIOLOGICAL RESOURCES REPORT FOR THE NEW SAN LUIS OBISPO COURTHOUSE PROJECT – SITE 1

July 2023

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Figures

Acronyms and Abbreviations

CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CNDDB	California Natural Diversity Database
County	County of San Luis Obispo
CRPR	California Rare Plant Rank
CWA	Clean Water Act
ESA	Endangered Species Act
Federal Register	FR
I-101	U.S. Interstate 101
IPaC	Information for Planning and Conservation
Judicial Council	Judicial Council of California
LEED	Leadership in Energy and Environmental Design
MBTA	Migratory Bird Treaty Act
Montrose	Montrose Environmental Group, Inc
NAVD 88	North American Vertical Datum 1988
NRCS	Natural Resources Conservation Service
NWI	National Wetland Inventory
Proposed Project	New San Luis Obispo Courthouse Project
RWQCB	Regional Water Quality Control Board
SF	square feet
USACE	U.S. Army Corps of Engineers
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
°F	degrees Fahrenheit

1 Introduction

1.1 Project Overview

The Judicial Council of California (Judicial Council) proposes to construct the New San Luis Obispo Courthouse Project (Proposed Project) in the city of San Luis Obispo. The facility is anticipated to be 3-5 floors, including a basement, and encompass approximately 145,000 square feet (SF). The Proposed Project would be designed with sustainability measures to achieve at a minimum Leadership in Energy and Environmental Design (LEED) Silver certification and to comply with State-mandated CalGreen requirements. The Proposed Project would replace the County-owned Courthouse Annex, the Judicial Council-owned 1070 Palm Street facility, and the 999 Monterey Street leased facility. The historic courthouse building would not be demolished.

This biological resources report describes the existing biological conditions and sensitive habitat for Site 1 considered for the New San Luis Obispo Courthouse Project (Proposed Project), the potential for special-status species to occur at the site, and avoidance and minimization measures to be considered to reduce potential impacts on sensitive habitats and species.

Table 1. Site 1 Location Considered for the New San Luis Obispo Courthouse Project

Site No.	Address	APN	Approx. Acreage	Ownership
1	1144 Monterey Street	002-326-021	1.2 acres	San Luis Obispo County

1.2 Location and Study Area

The study area of the selected site is located within San Luis Obispo, California, within the U.S. Geological Survey (USGS) San Luis Obispo and Pismo Beach quadrangles. San Luis Obispo is in San Luis Obispo County and is located roughly midway between the cities of San Francisco and Los Angeles along California's Central Coast. The city encompasses 13.6 square miles and is the largest city in San Luis Obispo County.

The study area (Site 1) encompasses approximately 1.2 acres across the site. **Appendix A** provides representative photographs of the site. The study area includes developed parcels within the urban downtown area.

2 Assessment Methodology

Baseline biological resources in the study area were evaluated by reviewing pertinent literature and conducting a field survey to supplement background information with representative site-specific data. The methods are described below.

2.1 Literature Reviewed

Biological resource information in the study area was evaluated by reviewing the following data sources:

- U.S. Fish and Wildlife Service (USFWS), Information for Planning and Conservation (IPaC) list of species federally listed as endangered and threatened (USFWS 2023a);
- USFWS's Critical Habitat Portal (USFWS 2023b);
- National Wetland Inventory (NWI) results (USFWS 2023c);
- California Department of Fish and Wildlife (CDFW), California Natural Diversity Database (CNDDB) queries for the USGS 7.5-minute quadrangles encompassing and surrounding the study area: San Luis Obispo, Pismo Beach (CDFW 2023);
- eBird records for the study area (Cornell Lab of Ornithology 2023); and
- Aerial photography (Google Earth 2023).

Results from the database queries are provided in **Appendix B**.

2.2 Special-Status Species

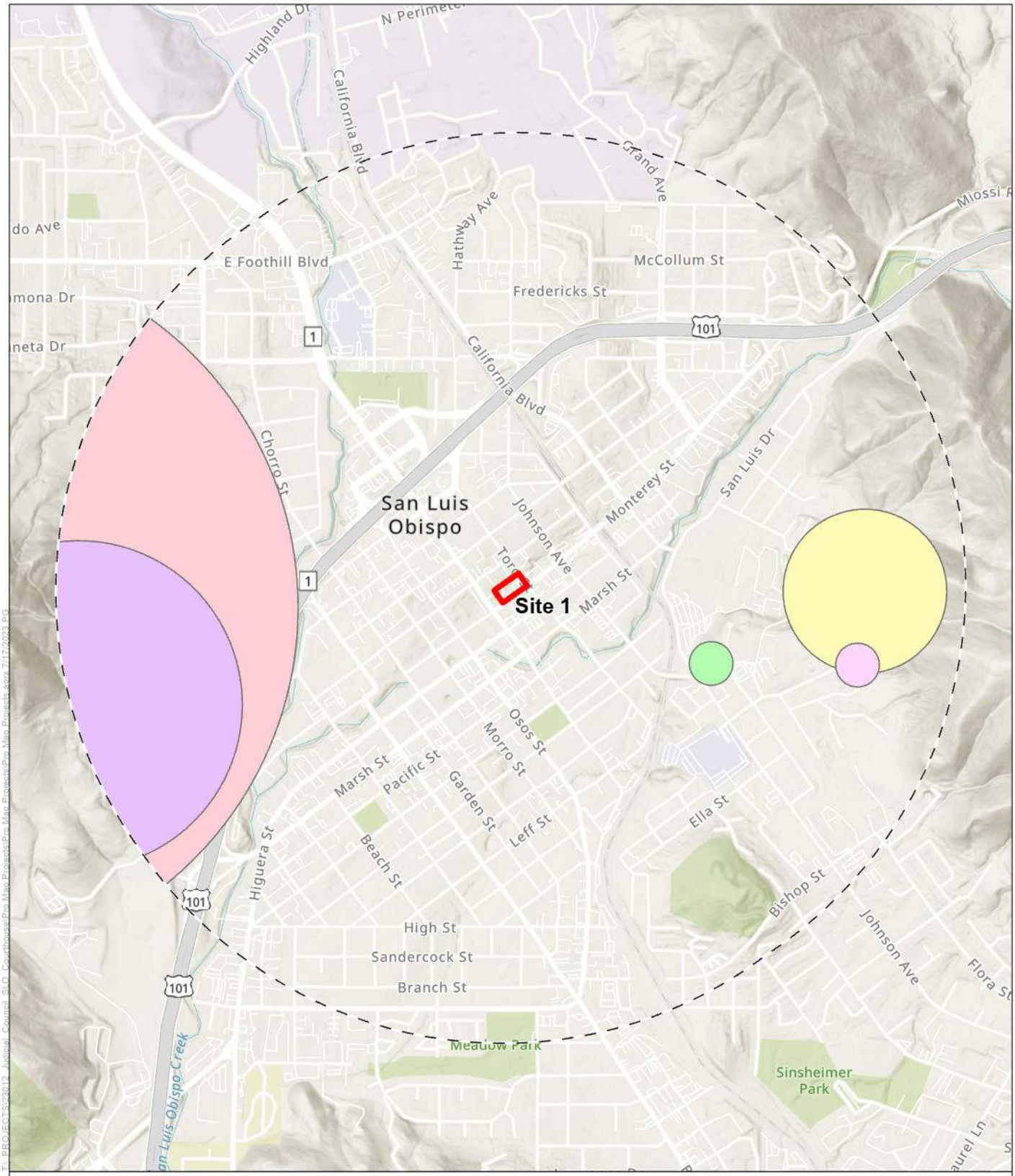
For the purpose of this report, special-status plant and wildlife species refer to those species that meet one or more of the following criteria:

- Species that are listed as threatened or endangered under the federal Endangered Species Act (ESA) (50 Code of Federal Regulations [CFR] Section 17.12 for listed plants, 50 CFR Section 17.11 for listed animals);
- Species that are candidates for possible future listing as threatened or endangered under ESA (76 Federal Register [FR] Section 66370);
- Species that are listed or proposed for listing by the State of California as threatened or endangered under the California Endangered Species Act (CESA) (14 California Code of Regulations [CCR] 670.5);
- Plants listed as rare under the California Native Plant Protection Act of 1977 (Fish and Game Code Section 1900 et seq.);
- California Rare Plant Rank (CRPR) Lists 1, 2, 3 and 4 species; and
- Animals fully protected in California (Fish and Game Code Sections 3511 [birds], 4700 [mammals], and 5050 [reptiles and amphibians]) or species designated as "Species of Special Concern" by CDFW.

2.3 Field Survey

Montrose Environmental (Montrose) biologist Jessica Gonzalez conducted a reconnaissance survey on April 24, 2023. The survey effort consisted of a visual assessment of conditions at Site 1. Maps of baseline biological resources, including a regional aerial photographic overview of the study area and detailed aerial photography, were used in the survey. Maps of CNDDB occurrence records within 1 mile of the study area for special-status plants (**Figure 1**) and special-status wildlife, including fish (**Figure 2**), were created based on the literature review.

Surveys were conducted in the field on foot. Natural and anthropogenic features, land cover types, and the presences of common and special-status species were noted. Visual aids, such as binoculars, were used to better assess wildlife species when appropriate.



Potential Site

1-mile buffer

N

0 0.13 0.25 0.5 Miles

Cambria morning-glory

Eastwood's larkspur

San Luis Obispo owl's-clover

San Luis mariposa-lily

mouse-gray dudleya

Figure 1
CNDDB Special-status Plants

MONTROSE ENVIRONMENTAL

New San Luis Obispo Courthouse Project

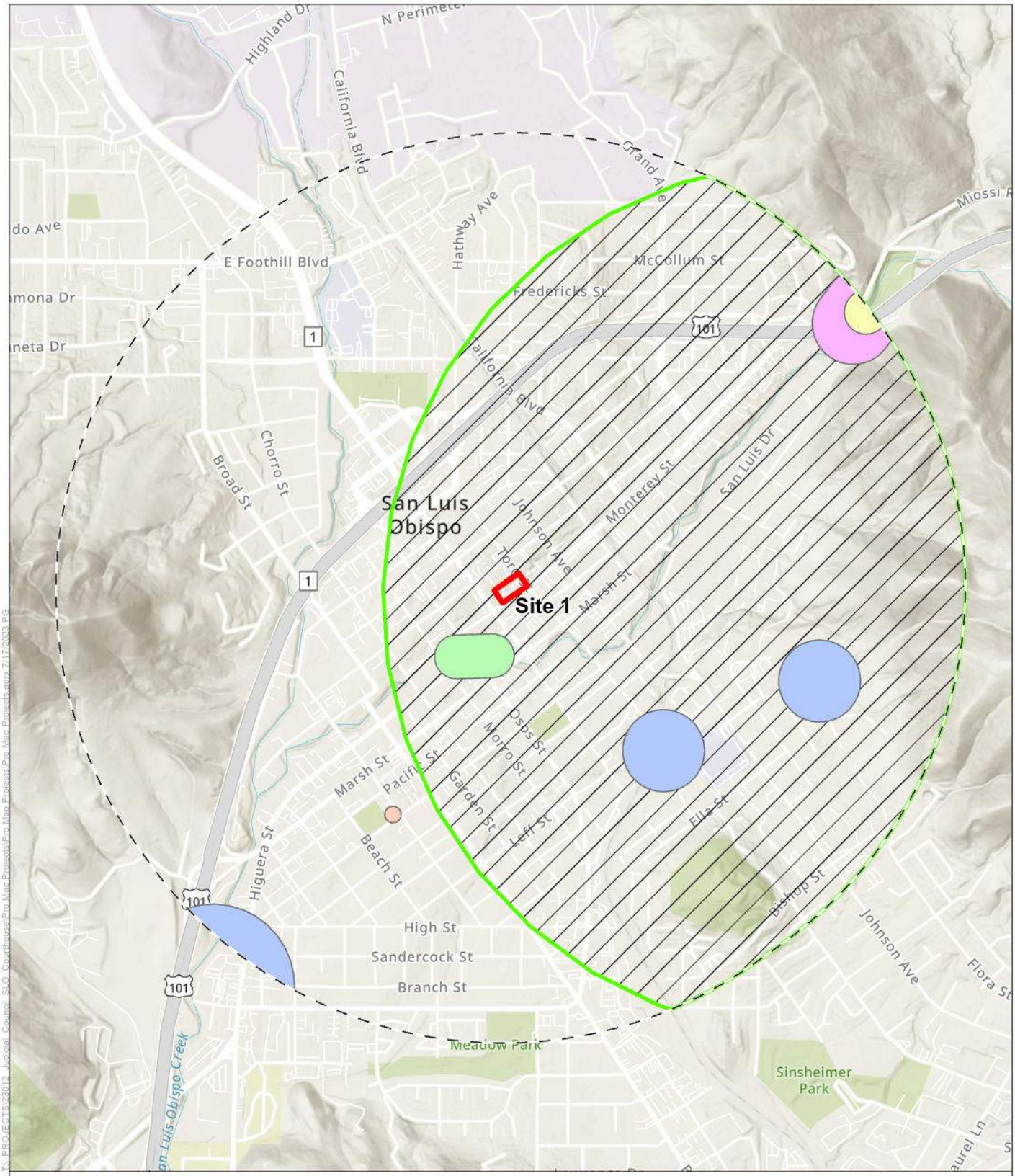


Figure 2
CNDDB
Special-status
Animals

New San Luis Obispo Courthouse Project

3 Site Assessment Results

3.1 Watershed and Topography

The study area is located within the San Luis Obispo Creek Watershed, which is a coastal basin located within the western portion of San Luis Obispo County. The watershed covers approximately 84.8 square miles. Its head waters originate in the foothills of the Santa Lucia Mountains at a maximum elevation of 2,500 feet above sea level. San Luis Obispo Creek closely follows U.S. Interstate 101 (I-101) throughout most of its route, flowing for approximately 14 miles and discharging into the Pacific Ocean at San Luis Bay, near the community of Avila Beach. The site is located within 1.25 miles of San Luis Obispo Creek. The watershed predominantly supports agricultural land uses along with open space and ranches; the watershed also includes urbanized areas within the city and surrounding unincorporated areas and the community of Avila Beach (City of San Luis Obispo 2003a, 2003b; Upper Salinas-Las Tablas Resource Conservation District 2012).

Topography at Site 1 has a 15-foot grade change across 165 feet. Site elevation is approximately 230 feet at Site (USGS 2021).

3.2 Climate

The study area has a Mediterranean climate characterized by cool, wet winters and hot, dry summers. Average temperatures range from a low of 44 degrees Fahrenheit (°F) in January to a high of 81°F in September. Average annual precipitation is approximately 20 inches, most of which occurs from November through April (NRCS 2023a).

3.3 Special-Status Species

No special-status plant species and special-status wildlife species are anticipated to potentially occur within proposed site and affected by the Proposed Project. The potential to have special-status plants (Figure 1) and wildlife (Figure 2) was based on occurrence records within 1 mile of the site and based on the literature review and existing habitat conditions at the site. Species were evaluated for their potential to occur at the site and are described in detail in **Appendix C** and summarized below.

3.3.1 Plants

A list of all plant species observed is provided in **Appendix D**. No special-status plants are anticipated to occur in study area.

3.3.2 Wildlife

No special-status wildlife species are anticipated to potentially to occur in the study area.

3.4 Critical Habitat

No critical habitat is designated within the study area (USFWS 2023b; NMFS 2023b).

3.5 Federal and State Waters and Wetlands

No creeks or lakes are present in the study area. Therefore, any activity at the site is not anticipated to be subject to regulation under California Fish and Game Code Section 1600.

3.6 Study Area

This section describes existing land uses and habitats, soils, and the potential for presence of special-status species within selected site. Reconnaissance-level surveys identified the land cover type in the study area as landscaped and developed. The characteristic of the land cover type is described below.

3.6.1 Existing Land Use and Habitats

Site 1 (1144 Monterey Street, approximately 1.2 acres) is a developed, County-owned, and County-operated property. It consists of paved parking, a 15,000-square-foot two-story building, and a single-story maintenance/service building.

The site contains landscaped and developed land cover. Vegetation at this site is a mixture of non-native ornamental trees and shrubs planted along the parking lots and street. Non-native trees include Indian laurel fig (*Ficus microcarpa*), banyan fig (*Ficus benghalensis*), crape myrtle (*Lagerstroemia* sp.), and privet (*Ligustrum* sp.). Much of the ground surface is pavement and sidewalks with some non-native weeds growing from cracks or unpaved areas.

Trees at this site may provide nesting habitat for bird species accustomed to urban environments. Bird species observed at Site 1 include American crow (*Corvus brachyrhynchos*), Anna's hummingbird (*Calypte anna*), California scrub-jay (*Aphelocoma californica*), oak-titmouse (*Baeolophus inornatus*), Bewick's wren (*Thryomanes bewickii*), cedar waxwing (*Bombycilla cedrorum*), house sparrow (*Passer domesticus*), house finch (*Haemorhous mexicanus*), rock pigeon (*Columba livia*), and European starling (*Sturnus vulgaris*).

3.6.2 Soils

Site 1 is underlain by Los Osos-Diablo Complex, 9 to 15 percent slopes (NRCS 2023b). These soils are not classified as hydric soils (NRCS 2019).

3.6.3 Potential for Special-Status Species

No special-status species were observed during the reconnaissance-level surveys, and none are anticipated to be present at the site due to existing development and low habitat value.

4 Summary and Considerations

Site 1 is currently developed with an existing maintenance/service building and parking lot. Biological resources are limited to two mature street trees growing adjacent to Monterey Street. Potential impacts to birds that may be nesting in these trees would be avoided by initiating project construction outside of the nesting season (February 1 – August 31) or by conducting pre-activity surveys for active nests if construction were to occur during the nesting season.

There are no other biological resource constraints to consider for redeveloping this site.

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Appendix A
Site Photographs

SAN LUIS OBISPO COURTHOUSE PROJECT

Photo No. 1	**Site Name:** Site 1
Aspect (facing): north	

1144 Monterey Street, county-owned building (April 2023)

Appendix B
USFWS and CNDDB Species Lists

Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database

Query Criteria: BIOS selection

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Antrozous pallidus pallid bat	AMACC10010	None	None	G4	S3	SSC
Bombus crotchii Crotch bumble bee	IIHYM24480	None	Candidate Endangered	G2	S2	
Calochortus obispoensis San Luis mariposa-lily	PMLIL0D110	None	None	G2	S2	1B.2
Calystegia subacaulis ssp. episcopalis Cambria morning-glory	PDCON040J1	None	None	G3T2?	S2?	4.2
Castilleja densiflora var. obispoensis San Luis Obispo owl's-clover	PDSCR0D453	None	None	G5T2	S2	1B.2
Danaus plexippus plexippus pop. 1 monarch - California overwintering population	IILEPP2012	Candidate	None	G4T1T2Q	S2	
Delphinium parryi ssp. eastwoodiae Eastwood's larkspur	PDRAN0B1B2	None	None	G4T2	S2	1B.2
Dudleya abramsii ssp. murina mouse-gray dudleya	PDCRA04012	None	None	G4T2	S2	1B.3
Eumops perotis californicus western mastiff bat	AMACD02011	None	None	G4G5T4	S3S4	SSC
Oncorhynchus mykiss irideus pop. 9 steelhead - south-central California coast DPS	AFCHA0209H	Threatened	None	G5T2Q	S2	
Polyphylla nubila Atascadero June beetle	IICOL68040	None	None	G1	S1	
Taricha torosa Coast Range newt	AAAAF02032	None	None	G4	S4	SSC

Record Count: 12

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

San Luis Obispo County, California

Local office

Ventura Fish And Wildlife Office

(805) 644-1766
(805) 644-3958
FW8VenturaSection7@FWS.Gov

2493 Portola Road, Suite B
Ventura, CA 93003-7726

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Giant Kangaroo Rat *Dipodomys ingens* Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6051	Endangered
San Joaquin Kit Fox *Vulpes macrotis mutica* Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2873	Endangered

Birds

NAME	STATUS
California Clapper Rail *Rallus longirostris obsoletus* Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4240	Endangered
California Condor *Gymnogyps californianus* There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/8193	Endangered
California Least Tern *Sterna antillarum browni* Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8104	Endangered
Least Bell's Vireo *Vireo bellii pusillus* Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/5945	Endangered
Marbled Murrelet *Brachyramphus marmoratus* There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/4467	Threatened

Southwestern Willow Flycatcher Empidonax traillii extimus — Endangered
Wherever found
There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
https://ecos.fws.gov/ecp/species/6749

Western Snowy Plover Charadrius nivosus nivosus — Threatened
There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
https://ecos.fws.gov/ecp/species/8035

Yellow-billed Cuckoo Coccyzus americanus — Threatened
There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
https://ecos.fws.gov/ecp/species/3911

Amphibians

NAME	STATUS

California Red-legged Frog Rana draytonii — Threatened
Wherever found
There is **final** critical habitat for this species. Your location overlaps the critical habitat.
https://ecos.fws.gov/ecp/species/2891

California Tiger Salamander Ambystoma californiense — Threatened
There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
https://ecos.fws.gov/ecp/species/2076

Foothill Yellow-legged Frog Rana boylii — Proposed Endangered
No critical habitat has been designated for this species.
https://ecos.fws.gov/ecp/species/5133

Fishes

NAME	STATUS

Tidewater Goby Eucyclogobius newberryi — Endangered
Wherever found
There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
https://ecos.fws.gov/ecp/species/57

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Crustaceans

NAME	STATUS
Vernal Pool Fairy Shrimp Branchinecta lynchi Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/498	Threatened

Flowering Plants

NAME	STATUS
California Jewelflower Caulanthus californicus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4599	Endangered
Chorro Creek Bog Thistle Cirsium fontinale var. obispoense Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5991	Endangered
Gambel's Watercress Rorippa gambellii Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4201	Endangered
Indian Knob Mountainbalm Eriodictyon altissimum Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1261	Endangered
Marsh Sandwort Arenaria paludicola Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2229	Endangered

Morro Manzanita Arctostaphylos morroensis — Threatened
Wherever found
No critical habitat has been designated for this species.
https://ecos.fws.gov/ecp/species/2934

Pismo Clarkia Clarkia speciosa ssp. immaculata — Endangered
Wherever found
No critical habitat has been designated for this species.
https://ecos.fws.gov/ecp/species/5936

Salt Marsh Bird's-beak Cordylanthus maritimus ssp. maritimus — Endangered
Wherever found
No critical habitat has been designated for this species.
https://ecos.fws.gov/ecp/species/6447

Spreading Navarretia Navarretia fossalis — Threatened
Wherever found
There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
https://ecos.fws.gov/ecp/species/1334

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

This location overlaps the critical habitat for the following species:

NAME	TYPE
California Red-legged Frog Rana draytonii https://ecos.fws.gov/ecp/species/2891#crithab	Final

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Allen's Hummingbird Selasphorus sasin This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9637	Breeds Feb 1 to Jul 15
Bald Eagle Haliaeetus leucocephalus This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Jan 1 to Aug 31
Belding's Savannah Sparrow Passerculus sandwichensis beldingi This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8	Breeds Apr 1 to Aug 15

Black Swift Cypseloides niger — Breeds Jun 15 to Sep 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/8878

Black Turnstone Arenaria melanocephala — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Bullock's Oriole Icterus bullockii — Breeds Mar 21 to Jul 25
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

California Gull Larus californicus — Breeds Mar 1 to Jul 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

California Thrasher Toxostoma redivivum — Breeds Jan 1 to Jul 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Clark's Grebe Aechmophorus clarkii — Breeds Jun 1 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Common Yellowthroat Geothlypis trichas sinuosa — Breeds May 20 to Jul 31
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/2084

Golden Eagle Aquila chrysaetos — Breeds Jan 1 to Aug 31
This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.
https://ecos.fws.gov/ecp/species/1680

Lawrence's Goldfinch Carduelis lawrencei — Breeds Mar 20 to Sep 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9464

Marbled Godwit Limosa fedoa — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9481

Nuttall's Woodpecker Picoides nuttallii — Breeds Apr 1 to Jul 20
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/9410

Oak Titmouse Baeolophus inornatus — Breeds Mar 15 to Jul 15
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9656

Olive-sided Flycatcher Contopus cooperi — Breeds May 20 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3914

Short-billed Dowitcher Limnodromus griseus — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9480

Tricolored Blackbird Agelaius tricolor — Breeds Mar 15 to Aug 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3910

Western Grebe aechmophorus occidentalis — Breeds Jun 1 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/6743

Willet Tringa semipalmata — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Wrentit Chamaea fasciata — Breeds Mar 15 to Aug 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Yellow-billed Magpie Pica nuttalli — Breeds Apr 1 to Jul 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9726

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

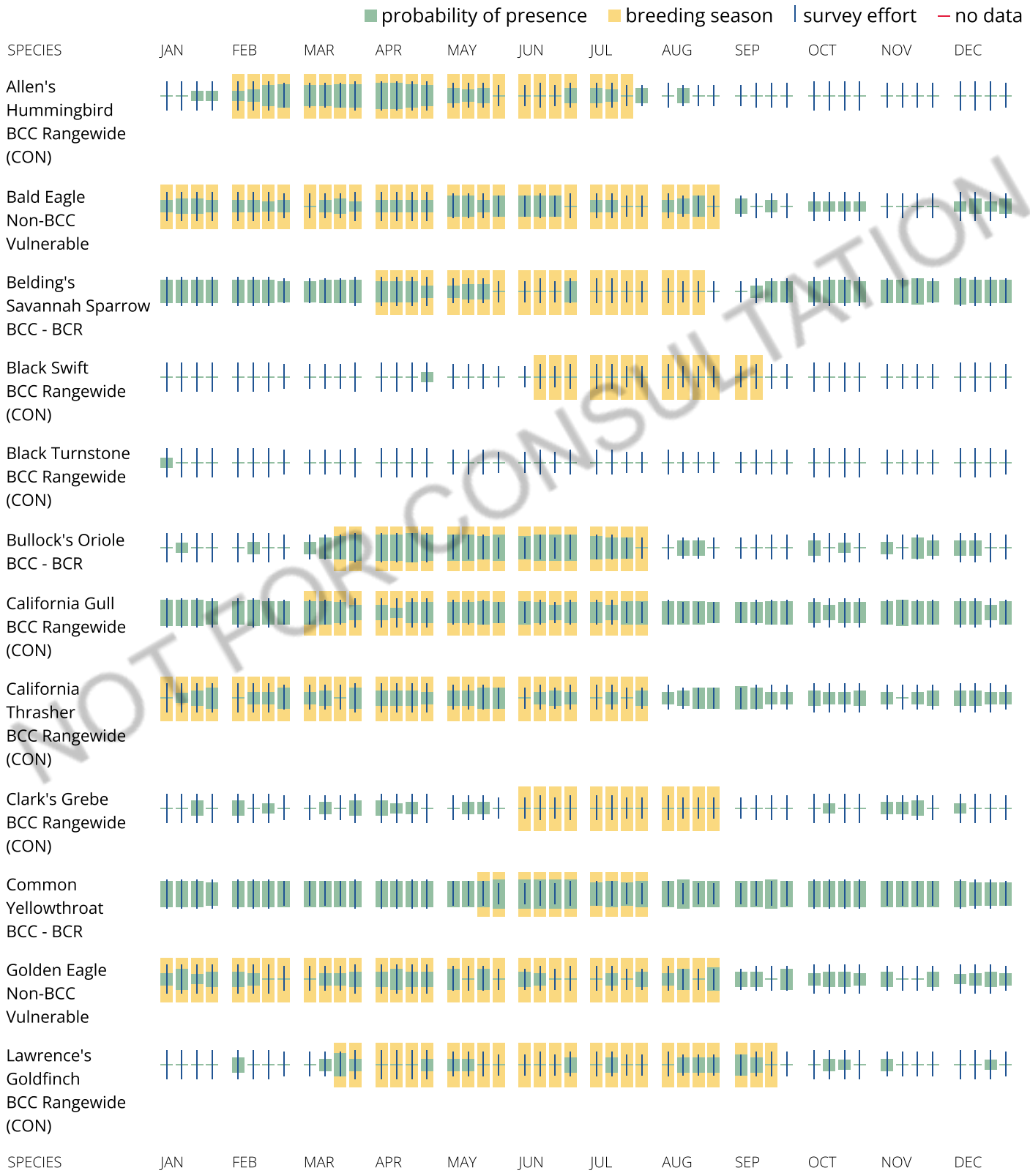
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

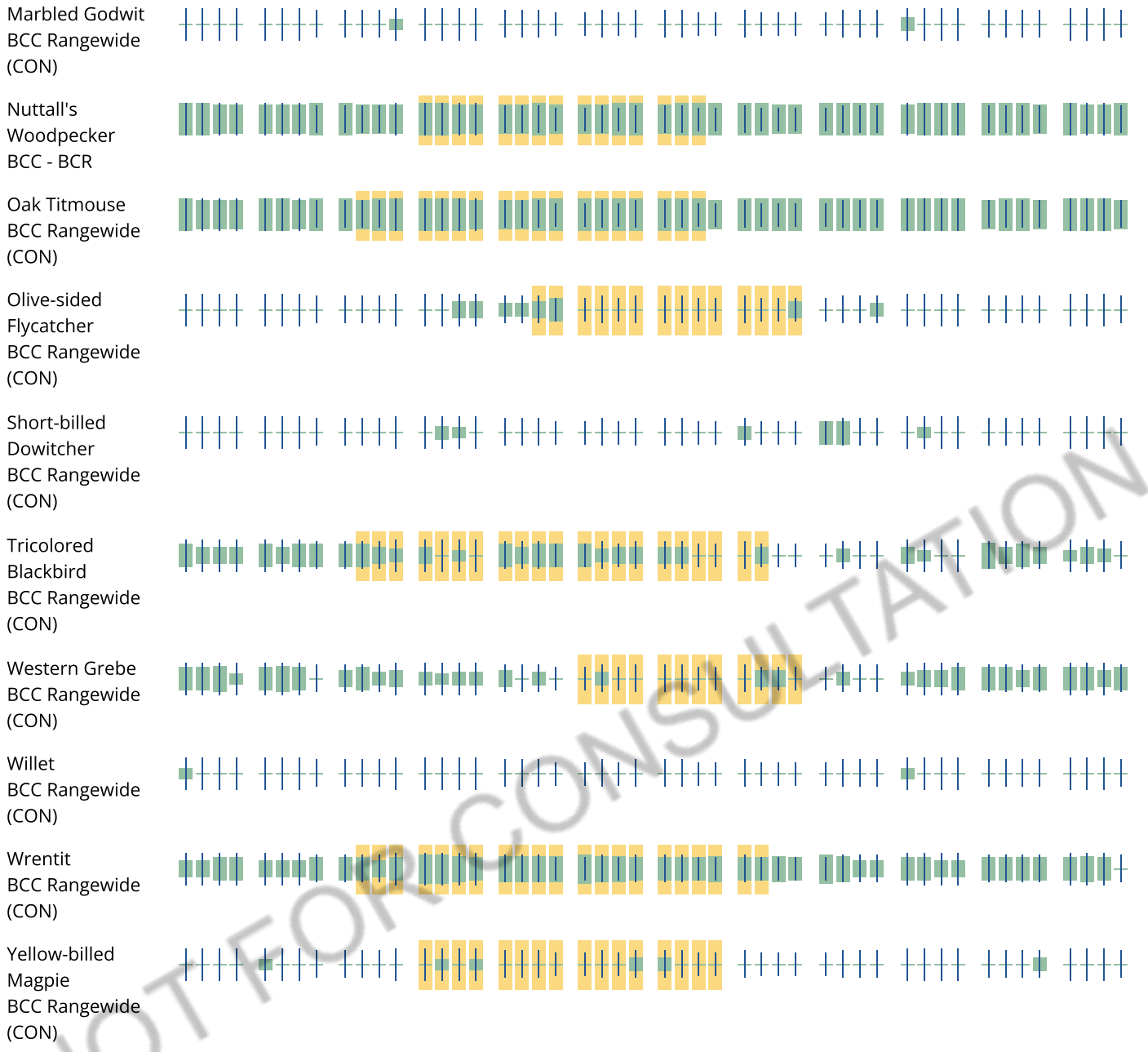
No Data (–)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project

review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in

activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

CNPS Rare Plant Inventory

California Native Plant Society

Search Results

73 matches found. Click on scientific name for details

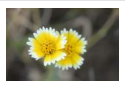
Search Criteria: Quad is one of [**3512036:3512026**]

▲ SCIENTIFIC NAME	COMMON NAME	FAMILY	LIFEFORM	BLOOMING PERIOD	FED LIST	STATE LIST	GLOBAL RANK	STATE RANK	CA RARE PLANT RANK	CA ENDEMIC	DATE ADDED	PHOTO
Agrostis hooveri	Hoover's bent grass	Poaceae	perennial herb	Apr-Jul	None	None	G2	S2	1B.2	Yes	1974-01-01	 2017 Adonis (Don) Tate
Arctostaphylos luciana	Santa Lucia manzanita	Ericaceae	perennial evergreen shrub	Dec-Mar	None	None	G2	S2	1B.2	Yes	1974-01-01	 © 2011 David Graber
Arctostaphylos obispoensis	Bishop manzanita	Ericaceae	perennial evergreen shrub	Feb-Jun	None	None	G3	S3	4.3	Yes	1974-01-01	No Photo Available
Arctostaphylos osoensis	Oso manzanita	Ericaceae	perennial evergreen shrub	Feb-Mar	None	None	G1	S1	1B.2	Yes	1994-01-01	No Photo Available
Arctostaphylos pechoensis	Pecho manzanita	Ericaceae	perennial evergreen shrub	Nov-Mar	None	None	G2	S2	1B.2	Yes	1974-01-01	No Photo Available
Arctostaphylos pilosula	Santa Margarita manzanita	Ericaceae	perennial evergreen shrub	Dec-May	None	None	G2?	S2?	1B.2	Yes	1974-01-01	No Photo Available
Arctostaphylos rudis	sand mesa manzanita	Ericaceae	perennial evergreen shrub	Nov-Feb	None	None	G2	S2	1B.2	Yes	1980-01-01	No Photo Available
Arenaria paludicola	marsh sandwort	Caryophyllaceae	perennial stoloniferous herb	May-Aug	FE	CE	G1	S1	1B.1		1984-01-01	No Photo Available
Aspidotis carlotta-halliae	Carlotta Hall's lace fern	Pteridaceae	perennial rhizomatous herb	Jan-Dec	None	None	G3	S3	4.2	Yes	1994-01-01	No Photo Available
Astragalus didymocarpus var. *milesianus*	Miles' milk-vetch	Fabaceae	annual herb	Mar-Jun	None	None	G5T2	S2	1B.2	Yes	2001-01-01	No Photo Available
Calandrinia breweri	Brewer's calandrinia	Montiaceae	annual herb	(Jan)Mar-Jun	None	None	G4	S4	4.2		1994-01-01	No Photo Available

Calochortus clavatus var. *clavatus*	club-haired mariposa lily	Liliaceae	perennial bulbiferous herb	(Mar)May-Jun	None	None	G4T3	S3	4.3	Yes	1974-01-01	No Photo Available
Calochortus obispoensis	San Luis mariposa-lily	Liliaceae	perennial bulbiferous herb	May-Jul	None	None	G2	S2	1B.2	Yes	1974-01-01	No Photo Available
Calochortus simulans	La Panza mariposa-lily	Liliaceae	perennial bulbiferous herb	Apr-Jun	None	None	G2	S2	1B.3	Yes	1980-01-01	 © 2011 Aaron E. Sims
Calystegia subacaulis ssp. *episcopalis*	Cambria morning-glory	Convolvulaceae	perennial rhizomatous herb	(Mar)Apr-Jun(Jul)	None	None	G3T2?	S2?	4.2	Yes	1988-01-01	No Photo Available
Carex obispoensis	San Luis Obispo sedge	Cyperaceae	perennial cespitose herb	Apr-Jun	None	None	G3?	S3?	1B.2	Yes	1974-01-01	No Photo Available
Castilleja densiflora var. *obispoensis*	San Luis Obispo owl's-clover	Orobanchaceae	annual herb (hemiparasitic)	Mar-May	None	None	G5T2	S2	1B.2	Yes	2001-01-01	 © 2010 Aaron E. Sims
Ceanothus cuneatus var. *fascicularis*	Lompoc ceanothus	Rhamnaceae	perennial evergreen shrub	Feb-Apr	None	None	G5T4	S4	4.2	Yes	2001-01-01	No Photo Available
Ceanothus impressus var. *nipomensis*	Nipomo Mesa ceanothus	Rhamnaceae	perennial shrub	Feb-Apr	None	None	G3T2	S2	1B.2		2006-01-10	No Photo Available
Centromadia parryi ssp. *congdonii*	Congdon's tarplant	Asteraceae	annual herb	May-Oct(Nov)	None	None	G3T2	S2	1B.1	Yes	1994-01-01	No Photo Available
Cercocarpus betuloides var. *blancheae*	island mountain-mahogany	Rosaceae	perennial evergreen shrub	Feb-May	None	None	G5T4	S4	4.3	Yes	1974-01-01	No Photo Available
Chlorogalum pomeridianum var. *minus*	dwarf soaproot	Agavaceae	perennial bulbiferous herb	May-Aug	None	None	G5T3	S3	1B.2	Yes	1994-01-01	No Photo Available
Chorizanthe aphanantha	Irish Hills spineflower	Polygonaceae	annual herb	Apr-Jun	None	None	G1	S1	1B.1	Yes	2019-06-11	 © 2019 Keir Morse
Chorizanthe breweri	Brewer's spineflower	Polygonaceae	annual herb	Apr-Aug	None	None	G3	S3	1B.3	Yes	1980-01-01	No Photo Available
Chorizanthe palmeri	Palmer's spineflower	Polygonaceae	annual herb	Apr-Aug	None	None	G4	S4	4.2	Yes	1994-01-01	No Photo Available
Chorizanthe ventricosa	potbellied spineflower	Polygonaceae	annual herb	May-Sep	None	None	G3	S3	4.3	Yes	2001-01-01	No Photo Available

Cirsium fontinale var. *obispoense*	Chorro Creek bog thistle	Asteraceae	perennial herb	Feb-Jul(Aug-Sep)	FE	CE	G2T2	S2	1B.2	Yes	1974-01-01	No Photo Available
Cirsium occidentale var. *lucianum*	Cuesta Ridge thistle	Asteraceae	perennial herb	Apr-Jun	None	None	G3G4T2	S2	1B.2	Yes	2011-04-08	No Photo Available
Cirsium rhothophilum	surf thistle	Asteraceae	perennial herb	Apr-Jun	None	CT	G1	S1	1B.2	Yes	1974-01-01	No Photo Available
Clarkia speciosa ssp. *immaculata*	Pismo clarkia	Onagraceae	annual herb	May-Jul	FE	CR	G4T1	S1	1B.1	Yes	1980-01-01	No Photo Available
Clinopodium mimuloides	monkey-flower savory	Lamiaceae	perennial herb	Jun-Oct	None	None	G3	S3	4.2	Yes	2007-05-04	No Photo Available
Deinandra paniculata	paniculate tarplant	Asteraceae	annual herb	(Mar)Apr-Nov	None	None	G4	S4	4.2		2001-01-01	No Photo Available
Delphinium hutchinsoniae	Hutchinson's larkspur	Ranunculaceae	perennial herb	Mar-Jun	None	None	G2	S2	1B.2	Yes	1974-01-01	No Photo Available
Delphinium parryi ssp. *blochmaniae*	dune larkspur	Ranunculaceae	perennial herb	Apr-Jun	None	None	G4T2	S2	1B.2	Yes	1988-01-01	No Photo Available
Delphinium parryi ssp. *eastwoodiae*	Eastwood's larkspur	Ranunculaceae	perennial herb	(Feb)Mar-Apr	None	None	G4T2	S2	1B.2	Yes	2011-10-05	No Photo Available
Delphinium umbraculorum	umbrella larkspur	Ranunculaceae	perennial herb	Apr-Jun	None	None	G3	S3	1B.3	Yes	1974-01-01	No Photo Available
Dithyrea maritima	beach spectaclepod	Brassicaceae	perennial rhizomatous herb	Mar-May	None	CT	G1	S1	1B.1		1980-01-01	No Photo Available
Dudleya abramsii ssp. *bettinae*	Betty's dudleya	Crassulaceae	perennial herb	May-Jul	None	None	G4T2	S2	1B.2	Yes	1980-01-01	No Photo Available
Dudleya abramsii ssp. *murina*	mouse-gray dudleya	Crassulaceae	perennial leaf	May-Jun	None	None	G4T2	S2	1B.3	Yes	1980-01-01	No Photo Available
Dudleya blochmaniae ssp. *blochmaniae*	Blochman's dudleya	Crassulaceae	perennial herb	Apr-Jun	None	None	G3T2	S2	1B.1		1974-01-01	 © 2011 Aaron E. Sims
Erigeron blochmaniae	Blochman's leafy daisy	Asteraceae	perennial rhizomatous herb	Jun-Aug	None	None	G2	S2	1B.2	Yes	1974-01-01	No Photo Available

Erigeron sanctarum	saints' daisy	Asteraceae	perennial rhizomatous herb	Mar-Jul	None	None	G3	S3	4.2	Yes	1974-01-01	No Photo Available
Eriodictyon altissimum	Indian Knob mountainbalm	Namaceae	perennial evergreen shrub	Mar-Jun	FE	CE	G1	S1	1B.1	Yes	1974-01-01	No Photo Available
Eryngium aristulatum var. *hooveri*	Hoover's button-celery	Apiaceae	annual/perennial herb	(Jun)Jul(Aug)	None	None	G5T1	S1	1B.1	Yes	1984-01-01	No Photo Available
Erysimum suffrutescens	suffrutescent wallflower	Brassicaceae	perennial herb	Jan-Jul(Aug)	None	None	G3	S3	4.2	Yes	1980-01-01	No Photo Available
Erythranthe serpentinicola	Irish Hills monkeyflower	Phrymaceae	annual herb	Feb-May	None	None	G1	S1	1B.1		2022-03-30	No Photo Available
Eschscholzia hypecoides	San Benito poppy	Papaveraceae	annual herb	Mar-Jun	None	None	G4	S4	4.3	Yes	1974-01-01	No Photo Available
Fritillaria agrestis	stinkbells	Liliaceae	perennial bulbiferous herb	Mar-Jun	None	None	G3	S3	4.2	Yes	1980-01-01	 © 2016 Aaron Schusteff
Fritillaria ojaiensis	Ojai fritillary	Liliaceae	perennial bulbiferous herb	Feb-May	None	None	G3	S3	1B.2	Yes	1980-01-01	 © 2010 David Magney
Galium cliftonsmithii	Santa Barbara bedstraw	Rubiaceae	perennial herb	May-Jul	None	None	G4	S4	4.3	Yes	1974-01-01	 © 2020 Brian Bielfelt
Grindelia hirsutula var. *maritima*	San Francisco gumplant	Asteraceae	perennial herb	Jun-Sep	None	None	G5T1Q	S1	3.2	Yes	1974-01-01	 Robert Potts © 2001 California Academy of Sciences
Hesperocyparis macrocarpa	Monterey cypress	Cupressaceae	perennial evergreen tree		None	None	G1	S1	1B.2	Yes	1980-01-01	 © 2021 Scot Loring
Horkelia cuneata var. *puberula*	mesa horkelia	Rosaceae	perennial herb	Feb-Jul(Sep)	None	None	G4T1	S1	1B.1	Yes	2001-01-01	 © 2008 Tony

												Tony Morosco
Juncus acutus ssp. *leopoldii*	southwestern spiny rush	Juncaceae	perennial rhizomatous herb	(Mar)May-Jun	None	None	G5T5	S4	4.2		1988-01-01	 © 2019 Belinda Lo
Layia jonesii	Jones' layia	Asteraceae	annual herb	Mar-May	None	None	G2	S2	1B.2	Yes	1974-01-01	 © 2011 Chris Winchell
Leptosiphon grandiflorus	large-flowered leptosiphon	Polemoniaceae	annual herb	Apr-Aug	None	None	G3G4	S3S4	4.2	Yes	1994-01-01	 © 2003 Doreen L. Smith
Lomatium parvifolium	small-leaved lomatium	Apiaceae	perennial herb	Jan-Jun	None	None	G3	S3	4.2	Yes	1974-01-01	No Photo Available
Lupinus ludovicianus	San Luis Obispo County lupine	Fabaceae	perennial herb	Apr-Jul	None	None	G1	S1	1B.2	Yes	1974-01-01	No Photo Available
Monardella palmeri	Palmer's monardella	Lamiaceae	perennial rhizomatous herb	Jun-Aug	None	None	G2	S2	1B.2	Yes	1974-01-01	 © 2012 Chris Winchell
Monardella sinuata ssp. *sinuata*	southern curly-leaved monardella	Lamiaceae	annual herb	Apr-Sep	None	None	G3T2	S2	1B.2	Yes	2013-12-31	 © 2017 Keir Morse
Mucronea californica	California spineflower	Polygonaceae	annual herb	Mar-Jul(Aug)	None	None	G3	S3	4.2	Yes	1988-01-01	 © 2018 Debra L. Cook
Muhlenbergia utilis	aparejo grass	Poaceae	perennial rhizomatous herb	Mar-Oct	None	None	G4	S2S3	2B.2		2019-07-10	No Photo Available
Perideridia pringlei	adobe yampah	Apiaceae	perennial herb	Apr-Jun(Jul)	None	None	G4	S4	4.3	Yes	1974-01-01	No Photo Available
Piperia michaelii	Michael's rein orchid	Orchidaceae	perennial herb	Apr-Aug	None	None	G3	S3	4.2	Yes	1984-01-01	No Photo Available
Plagiobothrys uncinatus	hooked popcornflower	Boraginaceae	annual herb	Apr-May	None	None	G2	S2	1B.2	Yes	1974-01-01	No Photo Available
Ribes sericeum	Santa Lucia gooseberry	Grossulariaceae	perennial deciduous shrub	Feb-Apr	None	None	G4	S4	4.3	Yes	1974-01-01	No Photo

												Available
Sanicula hoffmannii	Hoffmann's sanicle	Apiaceae	perennial herb	Mar-May	None	None	G3	S3	4.3	Yes	1974-01-01	No Photo Available
Sanicula maritima	adobe sanicle	Apiaceae	perennial herb	Feb-May	None	CR	G2	S2	1B.1	Yes	1974-01-01	No Photo Available
Scrophularia atrata	black-flowered figwort	Scrophulariaceae	perennial herb	Mar-Jul	None	None	G2?	S2?	1B.2	Yes	1974-01-01	No Photo Available
Senecio aphanactis	chaparral ragwort	Asteraceae	annual herb	Jan-Apr(May)	None	None	G3	S2	2B.2		1994-01-01	No Photo Available
Sidalcea hickmanii ssp. *anomala*	Cuesta Pass checkerbloom	Malvaceae	perennial herb	May-Jun	None	CR	G3T1	S1	1B.2	Yes	1974-01-01	No Photo Available
Streptanthus albidus ssp. *peramoenus*	most beautiful jewelflower	Brassicaceae	annual herb	(Mar)Apr-Sep(Oct)	None	None	G2T2	S2	1B.2	Yes	1988-01-01	 © 1994 Robert E. Preston, Ph.D.
Trifolium hydrophilum	saline clover	Fabaceae	annual herb	Apr-Jun	None	None	G2	S2	1B.2	Yes	2001-01-01	No Photo Available

Showing 1 to 73 of 73 entries

Suggested Citation:

California Native Plant Society, Rare Plant Program. 2023. Rare Plant Inventory (online edition, v9.5). Website https://www.rareplants.cnps.org [accessed 18 April 2023].

Appendix C
Special-Status Species Tables

The potential for each species to occur in the Study Area was assessed using the criteria outlined below.

None: the area contains a complete lack of suitable habitat, the local range for the species is restricted, and/or the species is extirpated in this region.

Not Expected: suitable habitat or key habitat elements might be present but might be of poor quality or isolated from the nearest extant occurrences, and/or the species is not known to occur in the area.

Possible: presence of suitable habitat or key habitat elements that potentially support the species.

Present: the species was either observed directly or its presence was confirmed by field investigations or in previous studies in the area.

Table 1. Special Status Plants

Name	Listing status* (Federal/ State/CNPS)	Habitat	Potential to Occur in the Study Area
Arctostaphylos morroensis Morro manzanita	FT / - / 1B.1	Chaparral, cismontane woodland, coastal dunes, coastal scrub. On Baywood sands, usually with chaparral associates. 30-125 m.	**None.** Suitable habitat is not present in the study area.
Arenaria paludicola marsh sandwort	FE/ FE / 1B.1	Marshes and swamps. Growing up through dense mats of Typha, Juncus, Scirpus, etc. in freshwater marsh. Sandy soil. 3-170 m.	**None.** Suitable habitat is not present in the study area.
Astragalus didymocarpus var. milesianus Miles' milk-vetch	- / - / 1B.2	Coastal scrub; clay soils. 20-90m.	**None.** Suitable habitat is not present in the study area.
Calochortus obispoensis San Luis mariposa-lily	- / - / 1B.2	Chaparral, coastal scrub, valley and foothill grassland; often in serpentine grassland. 75-665m.	**None.** Suitable habitat is not present in the study area.
Calystegia subacaulis ssp. episcopalis Cambria morning-glory	- / - / 4.2	Chaparral, cismontane woodland, coastal prairie, valley and foothill grassland; usually found growing on clay soils. 5-475 m.	**None.** Suitable habitat is not present in the study area.
Castilleja densiflora ssp. obispoensis San Luis Obispo owl's-clover	- / - / 1B.2	Valley and foothill grassland, meadows and seeps; sometimes found in serpentine. 9-485m.	**None.** Suitable habitat is not present in the study area.
Caulanthus californicus California jewelflower	FE/ SE / 1B.2	Chenopod scrub, valley and foothill grassland, pinyon and juniper woodland. Sandy soils. 65-1860 m.	**None.** Suitable habitat is not present in the study area.
Centromadia parryi ssp. Congdonii Congdon's tarplant	- / - / 1B.2	Valley and foothill grassland; Alkaline soils, sometimes described as heavy white clay. 0-245m.	**None.** Suitable habitat is not present in the study area.
Chloropyron maritimum ssp. maritimum (=Cordylanthus maritimus ssp. maritimus) salt marsh bird's-beak	FE/ SE / 1B.2	Marshes and swamps, coastal dunes. Limited to the higher zones of salt marsh habitat. 0-10 m.	**None.** Suitable habitat is not present in the study area.
Chorizanthe breweri Brewer's spineflower	- / - / 1B.3	Chaparral, cismontane woodland, coastal scrub, closed-cone coniferous forest; rocky or gravelly serpentine sites; usually in barren areas. 45-765 m.	**None.** Suitable habitat is not present in the study area.

Name	Listing status* (Federal/ State/CNPS)	Habitat	Potential to Occur in the Study Area
Cirsium fontinale var. obispoense Chorro Creek bog thistle	- / - / 1B.2	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland; Serpentine seeps. 5-385 m.	**None.** Suitable habitat is not present in the study area. CNDDB occurrence is less than a mile north of Site 3 (CNDDB 2023).
Clarkia speciosa ssp. immaculata Pismo clarkia	FE/ SR / 1B.1	Chaparral, cismontane woodland, valley and foothill grassland. On ancient sand dunes not far from the coast. Sandy soils; openings. 30-185 m.	**None.** Suitable habitat is not present in the study area.
Delphinium parryi ssp. Eastwoodiae Eastwood's larkspur	- / - / 1B.2	Chaparral, valley and foothill grassland; Serpentine. Openings. 60-640 m.	**None.** Suitable habitat is not present in the study area.
Dudleya abramsii ssp. murina mouse-gray dudleya	FE / SE / 1B.1	Chaparral, valley and foothill grassland. Uncommon serpentinite vertisol clays; in relatively open areas. 50-185 m.	**None.** Suitable habitat is not present in the study area.
Eriodictyon altissimum Indian Knob mountainbalm	FE / SE / 1B.1	Chaparral (maritime), cismontane woodland, coastal scrub. Ridges in open, disturbed areas within chaparral on Pismo sandstone. 95-245 m.	**None.** Suitable habitat is not present in the study area.
Eryngium aristulatum var. hooveri Hoover's button-celery	- / - / 1B.1	Vernal pools; Alkaline depressions, vernal pools, roadside ditches and other wet places near the coast. 1-50 m.	**None.** Suitable habitat is not present in the study area.
Erythranthe serpentinicola Irish Hills monkeyflower	- / - / 1B.1	Chaparral (openings), meadows and seeps (edges); Serpentine, rocky, openings, mesic. 60-360 m.	**None.** Suitable habitat is not present in the study area.
Layia jonesii Jones' layia	- / - / 1B.2	Chaparral, valley and foothill grassland; Clay soils and serpentine outcrops. 5-245 m.	**None.** Suitable habitat is not present in the study area.
Nasturtium gambelii Gambel's water cress	FE / ST / 1B.1	Marshes and swamps. Freshwater and brackish marshes at the margins of lakes and along streams, in or just above the water level. 5-305 m.	**None.** Suitable habitat is not present in the study area.
Navarretia fossalis spreading navarretia	FT / - / 1B.1	Vernal pools, chenopod scrub, marshes and swamps, playas. San Diego hardpan and San Diego claypan vernal pools; in swales and vernal pools, often surrouded by other habitat types. 15-850 m.	**None.** Suitable habitat is not present in the study area.
Sanicula maritima adobe sanicle	- / SR / 1B.1	Meadows and seeps, valley and foothill grassland, chaparral, coastal prairie; Moist clay or ultramafic soils. 15-215 m	**None.** Suitable habitat is not present in the study area.

Name	Listing status* (Federal/ State/CNPS)	Habitat	Potential to Occur in the Study Area
Senecio aphanactis Chapparal ragwort	- / - / 2B.2	Chaparral, cismontane woodland, coastal scrub; Drying alkaline flats. 20-1020 m.	**None.** Suitable habitat is not present in the study area.
Streptanthus albidus ssp. Peramoenus most beautiful jewel-flower	- / - / 1B.2	Chaparral, valley and foothill grassland, cismontane woodland; Serpentine outcrops, on ridges and slopes. 90-1040 m.	**None.** Suitable habitat is not present in the study area.

*** List of Abbreviations for Federal and State Species Status follow below:**

FE = Federal endangered
FT = Federal threatened

SE = State endangered
ST = State threatened
SR = State rare

Table 2. Special Status Animal Species

Scientific name	Listing status* (Federal/ State)	Habitat	Potential to Occur in the Study Area
Invertebrates			
Bombus crotchii Crotch bumble bee	-/SC	Coastal California east to the Sierra-Cascade crest and south into Mexico; Food plant genera include Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum.	**None.** Suitable habitat is not present in the study area.
Danaus plexippus pop. 1 monarch - California overwintering population	FC/-	Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico. Roosts located in wind-protected tree groves (eucalyptus, Monterey pine, cypress), with nectar and water sources nearby.	**None.** Suitable habitat is not present in the study area.
Polyphylla nubile Atascadero June beetle	-/-	Known only from sand dunes in San Luis Obispo County.	**None.** Suitable habitat is not present in the study area.
Amphibians			
Ambystoma californiense California tiger salamander - central California DPS	FT/ ST	Lives in vacant or mammal-occupied burrows throughout most of the year; in grassland, savanna, or open woodland habitats. Need underground refuges, especially ground squirrel burrows, and vernal pools or other seasonal water sources for breeding.	**None.** Suitable habitat is not present in the study area.
Rana boylii foothill yellow-legged frog - central coast DPS	PFT/ SE	San Francisco Peninsula and Diablo Range south of San Francisco Bay Estuary, and south through the Santa Cruz and Gabilan Mountains east of the Salinas River in the southern inner Coast Ranges. Partly shaded shallow streams and riffles with a rocky substrate in a variety of habitats. Needs at least some cobble-sized substrate for egg-laying and at least 15 weeks to attain metamorphosis.	**None.** Suitable habitat is not present in the study area.
Rana draytonii California red-legged frog	FT / SSC	Lowlands and foothills in or near permanent sources of deep water with dense, shrubby or emergent riparian vegetation. Requires 11-20 weeks of permanent water for larval development. Must have access to estivation habitat.	**None.** Suitable habitat is not present in the study area.
Taricha torosa Coast Range newt	- / SSC	Coastal drainages from Mendocino County to San Diego County; Lives in terrestrial habitats and will migrate over 1 km to breed in ponds, reservoirs and slow moving streams.	**None.** Suitable habitat is not present in the study area.
Fish			

Scientific name	Listing status* (Federal/ State)	Habitat	Potential to Occur in the Study Area
Eucyclogobius newberryi tidewater goby	FE / -	Brackish water habitats along the California coast from Agua Hedionda Lagoon, San Diego County to the mouth of the Smith River. Found in shallow lagoons and lower stream reaches, they need fairly still but not stagnant water and high oxygen levels.	**None.** Suitable habitat is not present in the study area.
Oncorhynchus mykiss irideus pop. 9 steelhead - south-central California coast DPS	FT / -	Federal listing refers to runs in coastal basins from the Pajaro River south to, but not including, the Santa Maria River.	**None.** Suitable habitat is not present in the study area.
Birds			
Athene cunicularia Burrowing Owl	- / SSC	Open, dry annual or perennial grasslands, deserts and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	**None.** Suitable habitat is not present in the study area.
Brachyramphus marmoratus marbled murrelet	FT / SE	Feeds near-shore; nests inland along coast from Eureka to Oregon border and from Half Moon Bay to Santa Cruz. Nests in old-growth redwood-dominated forests, up to six miles inland, often in Douglas-fir.	**None.** Suitable habitat is not present in the study area.
Charadrius nivosus nivosus western snowy plover	FT / -	Sandy beaches, salt pond levees and shores of large alkali lakes. Needs sandy, gravelly or friable soils for nesting.	**None.** Suitable habitat is not present in the study area.
Coccyzus americanus occidentalis western yellow-billed cuckoo	FT /SE	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems. Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.	**None.** Suitable habitat is not present in the study area.
Empidonax traillii extimus southwestern willow flycatcher	FE / SE	Riparian woodlands in Southern California.	**None.** Suitable habitat is not present in the study area.
Gymnogyps californianus *California condor*	FE /SE	Require vast expanses of open savannah, grasslands, and foothill chaparral in mountain ranges of moderate altitude. Deep canyons containing clefts in the rocky walls provide nesting sites. Forages up to 100 miles from roost/nest.	**None.** Suitable habitat is not present in the study area.
Lanius ludovicianus loggerhead shrike	- / SSC	Nests along the coast from San Francisco Bay south to northern Baja California. Colonial breeder on bare or sparsely vegetated, flat substrates: sand beaches, alkali flats, landfills, or paved areas.	**None.** Suitable habitat is not present in the study area.

Scientific name	Listing status* (Federal/ State)	Habitat	Potential to Occur in the Study Area
Rallus obsoletus obsoletus California Ridgway's rail	FE /SE	Salt water and brackish marshes traversed by tidal sloughs in the vicinity of San Francisco Bay. Associated with abundant growths of pickleweed, but feeds away from cover on invertebrates from mud-bottomed sloughs.	**None.** Suitable habitat is not present in the study area.
Sternula antillarum browni California least tern	FE /SE	Nests along the coast from San Francisco Bay south to northern Baja California. Colonial breeder on bare or sparsely vegetated, flat substrates: sand beaches, alkali flats, landfills, or paved areas.	**None.** Suitable habitat is not present in the study area.
Vireo bellii pusillus least Bell's vireo	FE /SE	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.	**None.** Suitable habitat is not present in the study area.
Mammals			
Antrozous pallidus pallid bat	- / SSC	Deserts, grasslands, shrublands, woodlands and forests. Most common in open, dry habitats with rocky areas for roosting. Roosts must protect bats from high temperatures. Very sensitive to disturbance of roosting sites.	**None.** Suitable habitat is not present in the study area.
Eumops perotis californicus western mastiff bat	- / SSC	Many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral, etc. Roosts in crevices in cliff faces, high buildings, trees and tunnels.	**None.** Suitable habitat is not present in the study area.

*** List of Abbreviations for Federal and State Species Status follow below:**

FE = Federal endangered
PFT = Proposed Federal threatened
FT = Federal threatened
FC = Federal candidate

SE = State endangered
ST = State threatened
SC = State candidate
SSC = Species of special concern
FP = State fully protected

Appendix D
Plant Species List

Appendix D. Plant Species List

Scientific Name	Common Name	Native
Avena fatua	Wild oat	No
Bromus diandrus	Ripgut brome	No
Bromus hordeaceus	soft chess	No
Ficus benghalensis	Bayan fig	No
Ficus macrocarpa nitida	Indian Laurel fog	No
Lagerstroemia indica	Crape myrtle	No
Ligustrum spp.	Privet	No

Appendix B-2

Biological resources review for additional property at 969 Toro St

Memorandum

Project:	**New San Luis Obispo Courthouse Replacement Project**
Subject:	**Biological resources review for additional property at 969 Toro Street (APN 002-326-012)**
Date:	October 31, 2024
To:	Kim Bobic, Judicial Council of California
From:	Lisa Herrera, Montrose Environmental Debra Lilly, Montrose Environmental

Introduction

The New San Luis Obispo Courthouse Project (Proposed Project) is one of the Immediate and Critical Need courthouse projects identified by the Judicial Council. The Proposed Project would involve construction of a new approximately 145,000-square-foot, five-story, modern and secure courthouse and would consolidate court operations within the city of San Luis Obispo. The Proposed Project would replace the existing Courthouse Annex building, built in 1982 and owned by San Luis Obispo County (County). That building has been evaluated and rated at a seismic risk level V, defining the courthouse as a Federal Emergency Management Agency (FEMA) P-154 rating of Very-High-Risk seismically deficient building. In addition, the Proposed Project would reunite court administrative staff offices that have been divided into off-site locations at 1070 Palm Street and 999 Monterey Street because of space limitations. The Proposed Project site totals approximately 1.43 acres of land consisting of a County-owned property at 1144 Monterey Street and extending north to include a portion of the Monterey Palm Alley, the westerly lane of Toro Street, and a residential property at 969 Toro Street (**Figure 1**).

Montrose Environmental completed a Biological Resources Report for the Proposed Project in July 2023 (Montrose 2023), including a field survey on April 24, 2023. The study area for the report was limited to the 1.2-acre property at 1144 Monterey Street. Since then, the project description has been updated to include an adjacent 0.1-acre property at 969 Toro Street (Assessor's Parcel Number [APN] 002-326-012). The memo describes the additional property and reviews it for consistency with the findings of the July 2023 Biological Resources Report.

Location

APN 002-326-012 is located at 969 Toro Street in the City of San Luis Obispo, California. It is situated immediately north of Monterey Palm Alley at its intersection with Toro Street. It is located within U.S. Geological Survey (USGS) San Luis Obispo 7.5-minute quadrangle. The City of San Luis Obispo is located roughly midway between the cities of San Francisco and Los Angeles along California's Central Coast. The city encompasses 13.6 square miles and is the largest city in San Luis Obispo County.

APN 002-326-012 encompasses approximately 0.1 acre. **Appendix A** provides representative photographs of the site.

Existing Land Use and Habitats

APN 002-326-012 is a privately owned residential property. The lot is fully developed with an approximately 1,339 square-foot single-story residence with an attached office, carport, decomposed granite driveway, and concrete-based yard with narrow strips of landscape. The lot, which is zoned Office, is within an urban area and is surrounded by additional development including a mix of mix of commercial-retail, residential, and office uses. It is bordered by a private residence to the north, Toro Street to the east, Monterey Palm Alley to the south, and an apartment building to the west.

Vegetation at the property is limited to ornamental plantings including one citrus tree, a Canary Island date palm (*Phoenix canariensis*), Jacaranda tree (*Jacaranda mimosifolia*); succulents such as striped century plant (*Agave* sp.), rose succulent (*Aeonium* sp.), and jade plant (*Crassula ovata*); and ornamental shrubs. Most of the ground surface is concrete, bare dirt or decomposed granite.

Trees and shrubs on the property may provide nesting habitat for bird species accustomed to urban environments.

Potential for Special-Status Species

Consistent with the 2023 biological resource report (Montrose 2023), no special-status species are anticipated to be present at the site due to existing development and low habitat value.

Summary and Considerations

APN 002-326-012 is a 0.10-acre developed residential property located in an urban area of the City of San Luis Obispo. The lot is immediately north of the 1.2-acre property at 1144 Monterey Street described in the 2023 biological resources report. Land cover (developed and landscaped), habitat values (low) are the same for the two properties. Both properties may provide nesting sites for birds during the typical nesting season of February 1 through August 31. The 2023 report recommendation to time construction outside of the nesting bird season, or conduct pre-activity nesting bird surveys, is applicable to both properties. There are no other biological resource constraints to consider for the Proposed Project and no additional recommendations suggested.

References

(Montrose) Montrose Environmental. 2023. Biological Resources Report for the New San Luis Obispo Courthouse Project – Site 1. July 2023.

Figure 1
Proposed Project Site

New San Luis Obispo Courthouse Project

Attachment A

Site Photographs

NEW SAN LUIS OBISPO COURTHOUSE REPLACEMENT PROJECT

Photo No. 1	**Site Name:**	**Photo No.** 2	**Site Name:**
Aspect (facing): Southwest	Site 1, APN 002-326-012	**Aspect (facing):** West	Site 1, APN 002-326-012

Existing residence at 969 Toro Street (September 2024).

969 Toro Street, existing residence (September 2024).

Photo No. 3	**Site Name:**
Aspect (facing): Northeast	Site 2, APN 002-326-012

View of 969 Toro Street from Monterey Palm Alley (September 2024).

Appendix C

Cultural Resources Assessment

New San Luis Obispo Courthouse
Initial Study / Mitigated Negative Declaration

Technical Report

CULTURAL RESOURCES ASSESSMENT REPORT

New San Luis Obispo Courthouse Project
San Luis Obispo, San Luis Obispo County, California

May 2025

Prepared for:

Kim Bobic
Judicial Council of California
455 Golden Gate Avenue
San Francisco, CA 94102-3688

Prepared by:

Montrose Environmental
1 Kaiser Plaza, Suite 340
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Limitations

This report contains confidential cultural resources location information; report distribution should be restricted to those with a need to know. Cultural resources are non-renewable, and their scientific, cultural, and aesthetic values can be significantly impaired by disturbance. To deter vandalism, artifact hunting, and other activities that can damage cultural resources, the locations of cultural resources should be kept confidential. The legal authority to restrict cultural resources information is in California Government Code 6254.1 and the National Historic Preservation Act of 1966, as amended, Section 304.

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List of Acronyms

AB	Assembly Bill
APN	Assessor's Parcel Number
BP	Before Present
CCIC	Central Coast Information Center
CCR	California Code of Regulations
Cal Poly	California Polytechnic San Luis Obispo
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CHRIS	California Historical Resources Information System
County	San Luis Obispo County
CRHR	California Register of Historical Resources
DPR	Department of Parks and Recreation
FEMA	Federal Emergency Management Agency
Judicial Council	Judicial Council of California
Montrose	Montrose Environmental
NAHC	Native American Heritage Commission
NCTC	Northern Chumash Tribal Council
NHPA	National Historic Preservation Act
NRHP	National Register of Historic Places
OHP	Office of Historic Preservation
PRC	Public Resources Code
Project	New San Luis Obispo Courthouse Project
Salinan Tribe	Salinan Tribe of Monterey and San Luis Obispo Counties
Section 106	Section 106 of the National Historic Preservation Act
TCR	Tribal Cultural Resource
USGS	United States Geological Survey
YTT	yak tityu tityu yak tiłhini – Northern Chumash Tribe

Executive Summary

The Judicial Council of California (Judicial Council) is proposing to replace the existing courthouse in the City of San Luis Obispo with a new facility located about one block to the east (Project or Proposed Project). The Proposed Project would replace the existing Courthouse Annex building, built in 1982 and owned by San Luis Obispo County (County). That building has been evaluated and rated at a seismic risk level V, defining the courthouse as a Federal Emergency Management Agency (FEMA) rating of Very-High-Risk as a seismically deficient building. In addition, the Proposed Project would reunite court administrative staff offices that have been divided into off-site locations at 1070 Palm Street and 999 Monterey Street because of space limitations. The new building would be located at 1144 Monterey Street on a parcel currently owned by the County. A second parcel at 969 Toro Street, located directly adjacent and north, which would be used for parking, is privately owned.

A cultural resources assessment was conducted that consisted of a literature review to identify any previously recorded cultural resources that could be affected by the Proposed Project, and a field review to photograph and record the extant buildings at the Proposed Project site. This report reviews data on known archaeological resources in proximity to the site, provides research about the potential for buried historic-era deposits, and includes a geoarchaeological analysis for the sensitivity of the location to contain subsurface Native American resources in addition to reporting on the built environment resources at the project location. Because the area is completely developed and almost entirely covered in hardscape, an archaeological survey was not conducted.

A field review was conducted to photograph and record the extant buildings at the Proposed Project location on September 11, 2024, by an architectural historian who meets the qualifications pursuant to the U.S. Secretary of the Interior's professional standards in architectural history. Although both of the subject buildings are more than 50 years old, neither appear eligible for listing on the Californian Register of Historical Resources or meet the criteria as a California Historical Landmark.

This report has been prepared based on certain key assumptions made by Montrose Environmental (Montrose) that substantially affect its conclusions and recommendations. These assumptions are that the information gathered during the record search is up to date and accurate. These assumptions, although thought to be reasonable and appropriate, may not prove to be true in the future. Montrose's conclusions and recommendations are conditioned upon these assumptions.

The cultural resources assessment was performed based on information obtained at the Central Coast Information Center (CCIC) of the California Historical Resources Information System, as well as on direct observation of site conditions and other information generally applicable as of April 2025. Although no archaeological resources are known to be located at the project location, they may be buried. The conclusions and recommendations herein are, therefore, based on information available up to that point in time. Further information may come to light in the future that could substantially change the conclusions found herein.

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1 Introduction

1.1 Location and Setting

The Proposed Project is located in San Luis Obispo County, California (**Figure 1**), at 1144 Monterey Street (Assessor's Parcel Number [APN] 002-326-021) and 969 Toro Street (APN 002-326-012-000), at the northwest corner of Monterey and Toro streets in the City of San Luis Obispo. The Project location is depicted on the San Luis Obispo 7.5-minute United States Geological Survey (USGS) quadrangle maps, in Sections 26, Township 30 South, Range 12 East (**Figure 2**).

The Proposed Project area occupies approximately 1.2 acres and is owned by San Luis Obispo County, and currently contains offices of the San Luis Obispo County Department of Parks and Recreation, County facilities and fleet services, and two adjacent open-air parking lots. The Proposed Project site is fully developed and almost entirely covered with concrete, asphalt, or buildings. The buildings surrounding the parcel appear to be commercial and residential properties from the mid-twentieth century or younger.

1.2 Project Description

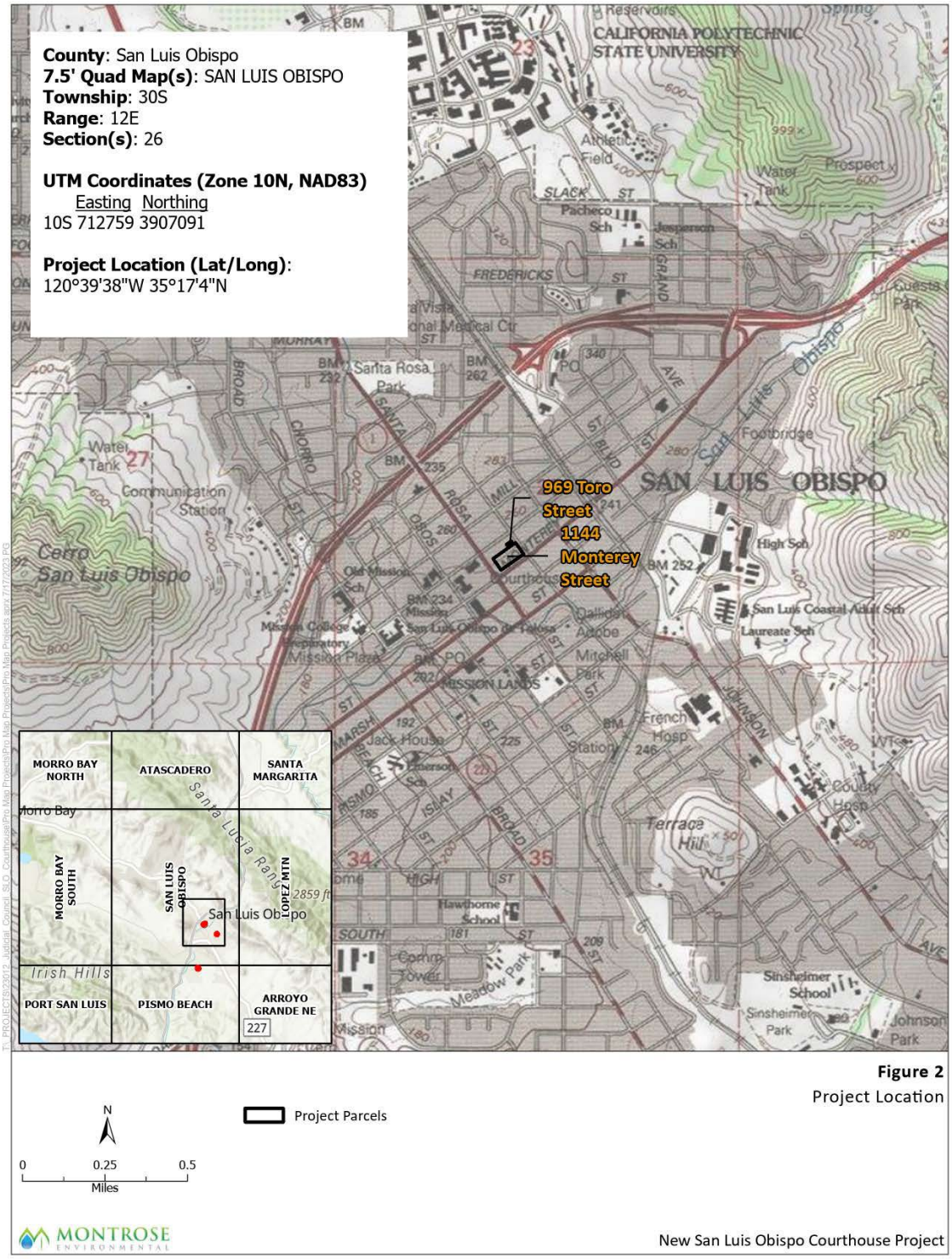
1.2.1 Proposed Project

The Project proposes to construct a new 12-courtroom courthouse of approximately 145,000 square feet in the city of San Luis Obispo. The new building may be between three and five floors, including a basement. The Proposed Project would be designed and constructed in accordance with the California Trial Court Facilities Standards and incorporate sustainability measures to comply with State-mandated CalGreen requirements and achieve a minimum Leadership in Energy and Environmental Design Silver certification level.

The Proposed Project would replace the County-owned 1962 and 1982 Courthouse Annex Buildings, including the Judicial Council-owned 1070 Palm Street facility and the 999 Monterey Street leased facility. The historic 1940 County-owned and utilized Old Courthouse building, located at 976 Osos Street, is not part of this Project and would not be demolished.

Figure 1. Project Vicinity

Figure 2. Project Location



1.3 Regulatory Setting and Need for Study

1.3.1 State of California Regulations

CEQA and State CEQA Guidelines

The Proposed Project must comply with CEQA (Pub. Res. Code 21000 et seq.) and the CEQA Guidelines (California Code of Regulations [CCR], Title 14, Chapter 3), which determine, in part, whether the project has a significant effect on a unique archaeological resource (as defined in Pub. Res. Code Section 21083.2) or a historical resource (as defined in Pub. Res. Code Section 21084.1).

CEQA Guidelines Section 15064.5(b) notes that "a project with an effect that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment." According to the CEQA Guidelines Section 15064.5(a)., historical resources are:

- Resources listed in, or determined to be eligible for listing in, the California Register of Historical Resources (Pub. Res. Code Section 5024.1[e]).

- Included in a local register of historical resources (Pub. Res. Code Section 5020.1[k]) or identified as significant in a historical resource survey meeting the requirements of Pub. Res. Code 5024.1(g); or

- Determined by a lead agency to be historically significant.

CEQA Guidelines Section 15064.5 (c) also applies to historical resources that are archaeological sites, as well as those identified as unique archaeological resources pursuant to Pub. Res. Code 21084.1. As defined in Pub. Res. Code Section 21083.2, a unique archaeological resource is an archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

- Contains information needed to answer important scientific research questions and there is a demonstrable public interest in that information;

- Has a special and particular quality such as being the oldest of its type or the best available example of its type; or

- Is directly associated with a scientifically recognized important prehistoric or historic event or person.

CEQA Guidelines Section 15064.5(c)(4) notes that, if an archaeological resource is not a unique archaeological resource, historical resource, or tribal cultural resource, the effects of the project on those cultural resources shall not be considered a significant effect on the environment.

CEQA Guidelines Section 15064.5 further states that agencies are required to identify potentially feasible measures or alternatives to avoid or mitigate significant adverse changes in the significance of a historical resource before such projects are approved when:

- An initial study identifies the existence of, or the probable likelihood, of Native American initial study identifies the existence of, or the probable likelihood, of Native American human remains within the project, a lead agency shall work with the appropriate Native Americans as identified by the Native American Heritage Commission (NAHC) human remains within the project, a lead agency shall work with the appropriate Native Americans as identified by the Native American Heritage Commission. (Section 15064.5(d)).

- When there is an accidental discovery or recognition of any human remains in any location other than a dedicated cemetery, work should cease at the site of the discovery and in the immediate surrounding area until the county coroner has been notified and the NAHC is notified if the coroner determines the remains to be that of Native American heritage. The NAHC shall identify the person or persons it believes to be the most likely descended from the deceased Native American, who will then work with the landowner to identify an appropriate and dignified treatment of the remains. (Section 15064.5(e)).

- When historical or unique archaeological resources are accidentally discovered during construction, a lead agency, pursuant to Section 21082 of the Public Resources Code, should make provisions for historical or unique archaeological resources accidentally discovered during construction. These provisions should include an immediate evaluation of the find by a qualified archaeologist. If the find is determined to be an historical or unique archaeological resource, contingency funding and a time allotment sufficient to allow for implementation of avoidance measures or appropriate mitigation should be available. Work could continue on other parts of the building site while historical or unique archaeological resource mitigation takes place. (Section 15064.5(f)).

California Register of Historical Resources

PRC Section 5024.1 establishes the California Register of Historical Resources (CRHR). This register lists all California properties considered to be significant historical resources. The CRHR includes all properties listed, or determined to be eligible for listing, in the National Register of Historic Places (NRHP), including properties evaluated under Section 106 of the National Historic Preservation Act (NHPA). The criteria for listing are similar to those of the NRHP. Criteria for listing in the CRHR include resources that:

1) Are associated with the events that have made a significant contribution to the broad patterns of California's history and cultural heritage;

2) Are associated with the lives of persons important in our past;

3) Embody the distinctive characteristics of a type, period, region, or method of construction, or represent the work of an important creative individual, or possess high artistic values; or

4) Have yielded, or may be likely to yield, information important in prehistory or history.

The regulations set forth the criteria for eligibility as well as guidelines for assessing historical integrity and resources that have special considerations.

California Health and Safety Code Section 7050.5.

California State law governing human remains California Health and Safety Code Section 7050 sets forth special rules that prescribe specific courses of action that apply where human remains are encountered during project construction. The code states:

> In the event of discovery or recognition of any human remains in any location other than a dedicated cemetery, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains until the coroner of the county in which the human remains are discovered has determined, in accordance with Chapter 10 (commencing with Section 27460) of Part 3 of Division 2 of Title 3 of the Government Code, that the remains are not subject to the provisions of Section 27491 of the Government Code or any other related provisions of law concerning investigation of the circumstances, manner and cause of any death, and the recommendations concerning the treatment and disposition of the human remains have been made to the person responsible for the excavation, or to his or her authorized representative, in the manner provided in Section 5097.98 of the Public Resources Code. The coroner shall make his or her determination within two working days from the time the person responsible for the excavation, or his or her authorized representative, notifies the coroner of the discovery or recognition of the human remains. (California Health and Safety Code Section 7050.5(b)).
>
> If the coroner determines that the remains are not subject to his or her authority and if the coroner recognizes the human remains to be those of a Native American, or has reason to believe that they are those of a Native American, he or she shall contact, by telephone within 24 hours, the Native American Heritage Commission. (California Health and Safety Code Section 7050.5(b)).

Tribal Cultural Resources

PRC 21080.3.1 (also referred to as Assembly Bill 52) requires that CEQA lead agencies consult with a California Native American tribe that is traditionally and culturally affiliated with the geographic area of a Proposed project if so requested by the tribe, and if the agency intends to release a negative declaration, mitigated negative declaration, or environmental impact report for a project. The bill also specifies, under PRC 21084.2, that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource (TCR) is considered a project that may have a significant effect on the environment. This latter language was added to the CEQA checklist in September 2016. The Judicial Council, as the Project's CEQA lead agency, consulted with Native American tribes pursuant to PRC 21080.3.1.

As defined in Section 21074(a) of the PRC, TCRs are:

(1) Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:

   a. Included or determined to be eligible for inclusion in the California Register of Historical Resources; or

   b. Included in a local register of historical resources as defined in subdivision (k) of Section 5020.1.

(2) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1. In applying the criteria set forth in subdivision (c) of Section 5024.1 for the purposes of this paragraph, the lead agency shall consider the significance of the resource to a California Native American tribe.

TCRs are further defined under Section 21074(b) and (c) as follows:

(b) A cultural landscape that meets the criteria of subdivision (a) is a TCR to the extent that the landscape is geographically defined in terms of the size and scope of the landscape; and

(c) A historical resource described in Section 21084.1, a unique archaeological resource as defined in subdivision (g) of Section 21083.2, or a "nonunique archaeological resource" as defined in subdivision (h) of Section 21083.2 may also be a tribal cultural resource if it conforms to the criteria of subdivision (a).

Mitigation measures for TCRs must be developed in consultation with the affected California Native American tribe pursuant to the newly chaptered Section 21080.3.2, or according to Section 21084.3. Section 21084.3 identifies mitigation measures that include avoidance and preservation of TCRs and treating TCRs with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource.

1.3.2 Federal Regulations

The Proposed Project does not have a federal nexus. The following summary of federal regulations are provided only for context.

National Historic Preservation Act

Title 54 United States Code Section 306108, commonly known as Section 106 of the National Historic Preservation Act (or Section 106), requires that federal agencies take into account the effects of projects (undertakings) under their jurisdiction on historic properties (i.e., cultural resources that meet the criteria for listing on the NRHP). The implementing regulations of the NHPA, found at 36 CFR Part 800, require that cultural resources be evaluated for NRHP eligibility if they cannot be avoided by an undertaking. To determine site significance through application of NRHP criteria, several levels of potential significance that reflect different (although not necessarily mutually exclusive) values must be considered. As provided in Title 36 CFR Part 60.4, "the quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association" and must be considered within the historic context. Resources must also be at least 50 years old, except in rare cases, and, to meet eligibility criteria of the NRHP, must:

(A) Be associated with events that have made a significant contribution to the broad patterns of our history; or

(B) Be associated with the lives of persons significant in our past; or

(C) Embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

(D) Have yielded, or may be likely to yield, information important in prehistory or history.

Although archaeological sites must be evaluated according to all of the criteria listed above, they are most often found eligible for listing in the NRHP under criterion (D). For sites found eligible under criterion (d), integrity requires that the site remain sufficiently intact to convey the expected information to address specific important research questions.

1.3.1 Local Laws, Regulations, and Policies

The Judicial Council, acting as the judicial branch of State government, is not subject to local land use regulations; however, the Judicial Council, as lead agency, considers local policies in evaluating whether the Proposed Project's impacts would be significant.

Chapter 6, Conservation and Open Space, of the City's General Plan contains goals and policies related to historical, architectural, and archaeological resources. The following policies may relate to the Proposed Project:

3.3.1. Historic preservation. Significant historic and architectural resources should be identified, preserved and rehabilitated.

3.3.2. Demolitions. Historically or architecturally significant buildings shall not be demolished or substantially changed in outward appearance, unless doing so is necessary to remove a threat to health and safety and other means to eliminate or reduce the threat to acceptable levels are infeasible.

3.3.3. Historical documentation. Buildings and other cultural features that are not historically significant but which have historical or architectural value should be preserved or relocated where feasible. Where preservation or relocation is not feasible, the resource shall be documented and the information retained in a secure but publicly accessible location. An acknowledgment of the resource should be incorporated within the site through historic signage and the reuse or display of historic materials and artifacts.

3.5.1. Archaeological resource protection. The City shall provide for the protection of both known and potential archaeological resources. To avoid significant damage to important archaeological sites, all available measures, including purchase of the property in fee or easement, shall be explored at the time of a development proposal. Where such measures are not feasible and development would adversely affect identified archaeological or paleontological resources, mitigation shall be required pursuant to the Archaeological Resource Preservation Program Guidelines.

3.5.5. Archaeological resources present. Where a preliminary site survey finds substantial archaeological resources, before permitting construction, the City shall require a mitigation plan to protect the resources. Possible mitigation measures include: presence of a qualified professional during initial grading or trenching; project redesign; covering with a layer of fill; excavation, removal and curation in an appropriate facility under the direction of a qualified professional.

3.5.6. Qualified archaeologist present. Where substantial archaeological resources are discovered during construction or grading activities, all such activities in the immediate area of the find shall cease until a qualified archaeologist knowledgeable in Native American cultures can determine the significance of the resource and recommend alternative mitigation measures.

3.5.7. Native American participation. Native American participation shall be included in the City's guidelines for resource assessment and impact mitigation. Native American representatives should be present during archaeological excavation and during construction in an area likely to contain cultural resources. The Native American community shall be consulted as knowledge of cultural resources expands and as the City considers updates or significant changes to its General Plan.

1.4 Personnel

Fieldwork, analysis, and reporting were carried out by the below-listed professionals who meet the U.S. Secretary of the Interior's Professional Standards for Archaeology (per Title 48 of the CFR, Section 44716, as amended in 1983) or U.S. Secretary of the Interior's Professional Standards for Historian and Architectural Historian (as defined in 36 CFR, Part 61). Procedures complied with NHPA Section 106 as set forth in Title 36 of the CFR, Section 800.

- **Janis Offermann, Registered Professional Archaeologist** (Montrose), prepared this report. She has a bachelor's degree in anthropology from Sonoma State University in Rohnert Park, California, and a master's degree in anthropology from the University of California at Davis. She has more than 40 years of experience in California archaeology and cultural resource management. Ms. Offermann is a senior cultural resources manager at Montrose.

- **Dean Martorana, Registered Professional Archaeologist** (Montrose), holds a master's degree in anthropology from California State University, Long Beach. He served as the GIS Specialist and assisted in the preparation of this report. Mr. Martorana has 19 years of experience in both historic and prehistoric archaeology, including 15 years of experience in cultural resources management in northern California. Mr. Martorana is a senior archaeologist and GIS specialist at Montrose.

- **Kara Brunzell, Architectural Historian** (Montrose), conducted the field review to record the buildings located at 1144 Monterey Street and 969 Toro Street, prepared the Department of Parks and Recreation (DPR) Primary Record forms and evaluated the resources for eligibility for listing in the CRHR. She also contributed to the historic-era context presented in Section 2.3 of this report. Ms. Brunzell holds a bachelor's degree in history from the University of California, Los Angeles, and a master's degree in public history from California State University, Sacramento. She has been a practicing architectural historian in California for 15 years. Ms. Brunzell is an Architectural Historian at Montrose.

- **Jaime Bach, Registered Professional Archaeologist** (Montrose), holds a bachelor's degree in anthropology from University of San Diego in California, a master's degree in anthropology from University of Montana in Missoula, and a doctoral degree in anthropology from University of Montana in Missoula. Dr. Bach assisted in the preparation of this report. Dr. Bach has over ten years of experience in cultural resource management as an archaeologist and ethnographer. Dr. Bach is a senior archaeologist at Montrose.

2 Project Context

2.1 Native American Pre-Contact Context

Research about Native American pre-contact history in the Central Coast region is largely derived from archaeological data. These studies date back to the early 1900s, although the bulk of archaeological excavations date to the 1960s and later. Jones et al. (2007) summarize earlier archaeological work that was completed by researchers such as Reinman, Clemmer, Pohorecky, Leonard, and others. Based on these studies and later work, Jones et al. (2007) present a synthetic overview of prehistoric adaptive change in California's Central Coast, a region that includes the coastal and peri-coastal areas from San Mateo County in the north to San Luis Obispo County in the south.

The temporal framework promoted by Jones et al. (2007) and others (Farquhar et al. 2011; Stevens et al. 2013) spans a period of approximately 10,000 to 12,000 years and is divided into six different periods. The periods track perceived changes in prehistoric settlement patterns, subsistence practices, and technological advances. These adaptive shifts are identified by changes in material culture found in the archaeological record. **Table 1** summarizes the pre-contact cultural chronology.

Table 1. California Central Coast Chronology

Temporal Period	Date Range
Paleo-Indian	Pre-9950 BP
Millingstone	9950–5450 BP
Early	5450–2550 BP
Middle	2550–950 BP
Middle-Late Transition	950–700 BP
Late	700–181 BP

Source: Jones et al. (2007).

Note: BP = years before present. Present is defined as 1950 AD.

Paleo-Indian Period. The Paleo-Indian Period represents the initial occupation of the area and evidence of their presence during this period is quite sparse across the region. On the mainland, artifacts dating to this time are mainly isolated artifacts or sparse lithic scatters. In the San Luis Obispo area, fluted points are documented near the towns of Nipomo and Santa Margarita. The traditional interpretation is that people living during this time were highly mobile hunters whose subsistence efforts focused on large mammals.

Erlandson et al. (2007) proposes an alternative perspective—a "kelp highway" hypothesis for the peopling of the Americas. Proponents of this model argue that the earliest inhabitants of the region focused their economic pursuits on coastal resources. Archaeological sites that support this hypothesis are mainly in the Santa Barbara Channel Islands.

Millingstone Period. In contrast to sparse evidence for the Paleo-Indian Period, archaeologists report sites dating to the Millingstone Period at several locations across the Central Coast. David Banks Rogers first identified this pattern in Southern California as containing abundant handstones, millingstones, cores, and cobble tools, along with a sparse, simple flaked stone assemblage. Wallace further documented the pattern, and Greenwood recognized a Central Coast Millingstone component at CA-SLO-2. Since that time, archaeologists have documented sites with Millingstone components along the Central Coast, and possibly as far north as Tehama County in the Sacramento Valley (Fitzgerald and Jones 1999).

Millingstone Period assemblages are characterized by abundant millingstones and handstones, core and core-cobble tools, thick rectangular (L-series) Olivella beads, and a low incidence of projectile points, which, when present, can be lanceolate or large side-notched varieties (Jones et al. 2007). Eccentric crescents are also found in Millingstone components. Sites are often associated with shellfish remains and small mammal bone, which suggest a collecting-focused economy. Contrary to these findings, deer remains are abundant at some Millingstone sites (cf. Jones et al. 2008), which suggests a flexible subsistence focus. People living during the Millingstone era appear to have been highly mobile.

Early Period. The Early Period corresponds with the earliest era of what Rogers called the "Hunting Culture" (Jones et al. 2007:138). According to Rogers, the "Hunting Culture" continues through to the time of the Middle-Late Transition, as defined in the present framework. The Early Period is marked by a greater emphasis on formalized flaked stone tools, such as projectile points and bifaces, and the initial use of mortar and pestle technology. Early Period sites are located in more varied environmental contexts than Millingstone sites, suggesting more intensive use of the landscape than previously evidenced.

Early Period artifact assemblages are characterized by large side-notched and Rossi square-stemmed projectile points, and spire-lopped (A), end-ground (B2b and B2c), Cap (B4), and rectangular (L-series) Olivella beads. Other artifacts include less temporally diagnostic contracting-stemmed and Año Nuevo long-stemmed points, and bone gorges.

Archaeologists have long debated whether the shift in site locations and artifact assemblages during this time represent either population intrusion as a result of mid-Holocene warming trends, or an in-situ adaptive shift. The initial use of mortars and pestles during this time appears to reflect a more labor-intensive economy associated with the adoption of acorn processing.

Middle Period. The trend toward greater labor investment is apparent in the Middle Period. During this time range, there is increased use of plant resources, more long-term occupation at habitation sites, and a greater variety of smaller "use-specific" localities. Artifacts common to this era include contracting-stemmed projectile points, a variety of Olivella shell beads, and Haliotis ornaments. Bone tools and ornaments are also common, especially in the richer coastal contexts, and circular shell fishhooks come into use. Grooved stone net sinkers are also found in coastal sites. Mortars and pestles become more common than millingstones and handstones at some sites (Jones et al. 2007:139).

Jones et al. (2007) discuss the Middle Period in the context of Rogers' "Hunting Culture" because it is seen as a continuation of the pattern that begins in the Early Period. This pattern reflects a greater emphasis on labor-intensive technologies that include projectile and plant processing technologies. Additionally, faunal remains highlight a shift toward prey species that are more labor intensive to capture, which is interpreted as evidence of greater search and processing time or more labor-

intensive technologies. These labor-intensive species include small schooling fishes, sea otters, rabbits, and plants such as acorn. Jones and Haney (2005:34) offer that Early and Middle Period sites are difficult to distinguish without shell beads due to the similarity of artifact assemblages.

Middle-Late Transition Period. The Middle-Late Transition marks the end of Rogers' "Hunting Culture," which seems to occur sometime during this era. Artifacts associated with the Middle-Late Transition include contracting-stemmed, double side-notched, and small leaf-shaped projectile points. The latter are thought to represent the introduction of bow and arrow technology to the region. A variety of Olivella shell bead types are found in these deposits, along with notched line sinkers, hopper mortars, and circular shell fishhooks (Jones et al. 2007).

The Middle-Late Transition is a time that appears to correspond with social reorganization across the region. This era is also a period of rapid climatic change known as the Medieval Climatic Anomaly. Jones and colleagues propose the Medieval Climatic Anomaly as an impetus for the cultural change that was a response to fluctuations between cool-wet and warm-dry conditions that characterize the event (Jones et al. 1999). Middle-Late Transition sites in San Luis Obispo County seem to represent population aggregations. Examples include CA-SLO-9, which is interpreted as a year-round coastal occupation site; CA-SLO-239 contains a large architectural feature; CA-SLO-536, located slightly inland, harbors an extensive bedrock mortar complex adjacent to Chorro Creek; and CA-SLO-1778 contains a substantial prepared house floor feature on a terrace above the Nacimiento River.

Late Period. Late Period sites are found in a variety of environmental conditions and include newly occupied task sites and encampments, as well as previously occupied localities. Artifacts associated with this era include Cottonwood and Desert Side-notched arrow points, flaked stone drills, steatite and clamshell disc beads, Haliotis disc beads, Olivella bead types E1 and E2, and earlier used B2, B3, G1, G6, and K1 types. Millingstones, handstones, mortars, pestles, and circular shell fishhooks also continue to be used (Jones et al. 2007; Stevens et al. 2013).

Coastal sites dating to the Late Period tend to be more resource acquisition or processing sites, while residential occupation is more common inland (Jones et al. 2007:140).

2.2 Ethnohistoric Context

The City of San Luis Obispo is located within the area historically occupied by the Northern, or Obispeño, Chumash, the northernmost of the indigenous California Chumash people. The ethnohistoric Chumash are typically characterized as a linguistically related series of simple chiefdom societies occupying sedentary or semi-sedentary villages along the south-central coast of California. Chumashan speakers traditionally occupied territory from San Luis Obispo County in the north, south to Malibu Canyon in Los Angeles County. Inland, their territory crossed the South Coast Range and included the southwestern portion of the San Joaquin Valley in Kern County. They also occupied the islands of the Santa Barbara Channel (Grant 1978).

Most Chumash communities were composed of sedentary or semi-sedentary villages that were occupied much of the year. The community occupants would move to seasonal camps to collect food for storage at the village locations. Early post-contact historical accounts commented that villages in the region were small in comparison to the large congregations of Chumash found on the coast near the Channel Islands. Houses were mostly small round thatched structures with domed roofs, though semisubterranean homes were also reported in the Morro Bay area (Greenwood 1978).

The people of the study area harvested marine animals and plants, but they did not have a complex maritime adaptation like that of their southern cousins around the Santa Barbara Channel. In addition to marine foods, their diet included terrestrial plants (most notably acorns and some hard seeds) and terrestrial game (primarily rabbits and deer) (Grant 1978; Greenwood 1978).

2.3 Post-Contact Context

The earliest European explorers sailed along the coastline of what would become San Luis Obispo County in 1542. It was 1587 by the time Europeans set foot on the land in this area when Pedro de Unamuno sailed into Morro Bay and explored inland, perhaps as far as the modern-day City of San Luis Obispo. Nearly 100 years later, the Spanish began establishing missions up the California coast and, in 1772, Father Junipero Serra founded Mission San Luis Obispo de Tolosa in what is now downtown San Luis Obispo. After Mexico won independence from Spain in 1821, the California missions were controlled by the Mexican government. In 1845, Mexican governor, Pio Pico sold Mission San Luis Obispo to John Wilson, a Scottish sea captain who had settled in California. During the 1846 Bear Flag Revolt, the Mission was used as a base for the California Battalion under John Fremont. Starting in the mid-nineteenth century, the main industry in the area was dairy and cattle farming. In 1868, San Luis Obispo became the county seat. Around that time, stagecoach routes were established and by the 1890s the Southern Pacific Railroad lines also accessed the area, leading to further development. (see Forbes 1839; Historic Resources Group 2013:13; Kyle et al. 2002:380-381; Mission San Luis Obispo 2024; Office of Historic Preservation 2024)

In 1901, California Polytechnic (Cal Poly) San Luis Obispo college was established. The school's emphasis on agricultural education supported the strong dairy industry. During World War I, navy beans subsidized by the War Relief Administration became a popular crop, along with other types of beans and peas. The port in San Luis Obispo employed local workers and allowed development of a profitable oil industry. When the first state highway was routed through San Luis Obispo County in 1915, the area began to attract automobile tourism. In the 1920s, a population boom was spurred by the rise of automobiles, along with an increase in auto-oriented tourism. At this time, the first motel was constructed in San Luis Obispo, the Milestone Mo-Tel (short for "motor hotel"). The city was a popular tourist destination due to its Mission, beaches, Spanish-inspired architecture, and vineyards. (see Historic Resources Group 2013:14-15)

In the 1930s, while much of the state was facing the economic ramifications of the Great Depression, San Luis Obispo County's economy was supported by Camp San Luis Obispo, a military facility located on California State Route 1. Due to the camp's wartime importance, many soldiers' families settled in San Luis Obispo. In the 1970s, the camp was converted to El Chorro Regional Park. (see Historic Resources Group 2013:92-93; San Luis Obispo County Parks 2024)

After World War II, the G.I. Bill gave veterans the opportunity to buy homes in the area, and suburban neighborhoods faced postwar expansion. Between 1940 and 1950, the San Luis Obispo population grew from 8,881 to 14,180, a nearly 60% increase. As population growth continued in the postwar era, new subdivisions of single-family homes were developed to accommodate the rising population. Completion of US Highway 101 in 1958 further stimulated automobile tourism and associated development of motels and other tourism-serving businesses near the highway. From the 1970s into the 2000s, San Luis Obispo has seen more commercial development, such as the San Luis Obispo Promenade which opened in 1998. In 2023, the population of San Luis Obispo was 49,244; the total population San Luis Obispo County was 281,639 (United States Census Bureau 2024). (see Historic Resources Group 2013:115, 125)

3 Native American Consultation and Archival Research

In accordance with the Secretary of the Interior's Standards and the Guidelines for Archaeology and Historic Preservation (Title 48 CFR Section 44716 [amended 1983]), the goals of this archaeological inventory were to identify and completely document the location, qualities, and condition of any potential historic properties in the Project's APE. Methods employed to achieve these goals follow.

3.1 Native American Consultation

An email request was made to the Native American Heritage Commission (NAHC) on April 14, 2023, to review its files for the presence of recorded sacred sites on the Project site. The NAHC responded on June 13, 2024, stating that the sacred lands search was positive. The NAHC also provided a list of 11 individuals representing nine tribes with a traditional and cultural affiliation with the Project area.

Letters regarding "Invitation to Consult on Tribal Cultural Resources (AB 52 Consultation) New San Luis Obispo Courthouse Project in San Luis Obispo County" were sent by the Judicial Council via email and U.S. Postal Service certified mail to all individuals identified by the NAHC on July 24, 2024. **Table 2** lists all those contacted and summarizes the results of the consultation.

Table 2. Native American Consultation

Organization/Tribe	Name of Contact	Letter Date	Tribal Response	Comments
Barbareno/ Ventureno Band of Mission Indians	Dayna Barrios, Chairperson	July 24, 2024		
Barbareno/ Ventureno Band of Mission Indians	Annette Ayala, CRM Committee Chair	July 24, 2024		
Chumash Council of Bakersfield	Julio Quair, Chairperson	July 24, 2024		
Coastal Band of the Chumash Nation	Gabe Frausto, Vice Chair	July 24, 2024		
Coastal Band of the Chumash Nation	Mia Lopez, Chairperson	July 24, 2024		
Northern Chumash Tribal Council	Violet Walker, Chairperson	July 24, 2024	July 31, 2024	**07/31/2024**: Emailed letter from the Tribe requesting consultation. **08/16/2024:** Virtual meeting with Judicial Council and NCTC. NCTC followed up with email thanking the Judicial Council for the meeting on the same day. **04/10/2025:** Draft

Organization/Tribe	Name of Contact	Letter Date	Tribal Response	Comments
				IS/MND sections for review were sent to the Tribe. **04/23/2025:** Virtual meeting with Judicial Council and Tribe.
Salinan Tribe of Monterey, San Luis Obispo Counties	Patti Dunton, Tribal Administrator	July 24, 2024	August 23, 2024	**08/21/2024:** Email from the Tribe expressing interest in the Project and requesting monitoring by the Tribe. **08/22/2024:** Judicial Council response requesting clarification about the Tribe's intention to consult. **08/23/2024:** Response from Tribe stating that they would like to consult. **08/26/2024:** Letter from Judicial Council to Tribe initiating formal consultation and providing potential meeting dates. **08/28/2024:** Email from Tribe identifying available dates to meet. **09/05/2024:** Virtual meeting with Judicial Council and Tribe. **04/10/2025:** Draft IS/MND sections for review were sent to the Tribe. **04/25/2025:** Virtual meeting with Judicial Council and Tribe. **04/30/2025:** Letter from the Tribe with documentation about presence within the Project area.
San Luis Obispo County Chumash Council		July 24, 2024 (mailed – not emailed)		
Santa Ynez Band of Chumash Indians	Kenneth Kahn, Chairperson	July 24, 2024		
Tule River Indian Tribe	Neil Peyron, Chairperson	July 24, 2024		

Organization/Tribe	Name of Contact	Letter Date	Tribal Response	Comments
yak titᵛu titᵛu yak tiłhini (YTT) – Northern Chumash Tribe	Mona Tucker, Chairperson	July 24, 2024	August 4, 2024	**08/04/2024:** YTT emailed request for consultation. **08/05/2024:** Judicial Council emailed to schedule meeting. **08/12/2024:** Judicial Council emailed initiation of consultation letter, proposed meeting times and draft agenda, and Cultural Screening Memo. **08/12/2024:** Judicial Council mailed record search documents to YTT. **08/16/2024:** Judicial Council emailed to verify receipt of previous email and mail. **08/29/2024:** Virtual meeting with YTT and Judicial Council. **04/10/2025:** Draft IS/MND sections for review were sent to the Tribe. **05/09/2025:** The Tribe submitted comments on the IS/MND.

To date, three tribes have requested consultation with the Judicial Council on this Project, the including Northern Chumash Tribal Council (NCTC), the Salinan Tribe of Monterey and San Luis Obispo Counties (Salinan Tribe), and the yak titᵛu titᵛu yak tiłhini–Northern Chumash Tribe (YTT). The Judicial Council's consultation efforts with each tribe, to date, are described below.

NCTC

An email response from NCTC was received by the Judicial Council on July 31, 2024, stating a request to engage in consultation on this Project. The email included a formal response as an attached document which included a description of the NCTC cultural affiliation with the Project area, a stated wish to be included in consultation during Project planning, development, and construction, and four requests based on the cultural sensitivity of the area: consultation with staff to discuss specific elements of Project construction; copies of documentation regarding archaeological sites within the ½-mile vicinity surrounding the Project area; NCTC to be included in planning and decision-making; and, NCTC tribal cultural resource monitor on-site with archaeologist during all ground disturbing work to include demolition, excavation, grading, and trenching. The document also included a reminder that the presence of structures on the site does not preclude the presence of cultural features, artifacts, or sites resting at depth.

A virtual meeting was held on August 16, 2024, between Judicial Council Project team and NCTC representatives. The *Northern Chumash Tribal Council AB 52 Consultation Initial Meeting* agenda, drafted by the Judicial Council, included the following topics for discussion: introductions and roles; purpose; expectations; Project information; Tribal Cultural Resources (TCR); and next steps.

A follow-up email was sent to the Judicial Council team from the NCTC regarding the subject of "Initiation of Consultation for New San Luis Obispo Courthouse." The email expressed appreciation for the meeting, the welcoming atmosphere and the receptive attitude and stated that the NCTC will wait for future contact from Judicial Council and will be available to meet again.

The Judicial Council forwarded draft Cultural Resources and Tribal Cultural Resources sections of the environmental document to the Tribe via email and through the US Mail with a certified receipt on April 10, 2025. The Judicial Council requested that the Tribe review and provide comments on the sections and offered to set up a meeting to review their comments. A second virtual meeting was held with the NCTC on April 23, 2025, to review comments from the Tribe about the environmental document.

Salinan Tribe

An email response from the Salinan Tribe was received by the Judicial Council on August 21, 2024, requesting that mitigation measures for this Project include monitoring of all ground disturbance by a cultural resource specialist from the Salinan Tribe. The Judicial Council followed up with an acknowledgement of the requested mitigation measure in an email dated August 22, 2024. The email also included a request for clarification regarding the Salinan Tribe's intent to engage in government-to-government consultation with the Judicial Council on this Project. The Salinan Tribe responded on August 23, 2024, with a statement affirming their request for consultation with the Judicial Council on the Project.

The Judicial Council sent a letter to the Salinan Tribe on August 26, 2024, initiating formal consultation and providing potential meeting dates. The Tribe responded by email on August 28, 2024, indicating dates of availability to meet.

On September 5, 2024, a virtual meeting was held between the Judicial Council Project team and Salinan Tribe representatives. The *Salinan Tribe of Monterey, San Luis Obispo Counties AB 52 Consultation Initial Meeting* agenda, drafted by the Judicial Council, included the following topics for discussion: introductions and roles; purpose; expectations; Project information; Tribal Cultural Resources (TCR); and next steps.

Draft Cultural Resources and Tribal Cultural Resources sections of this IS/MND we submitted to the Tribe via email and through the US Mail with a certified receipt on April 10, 2025. The Judicial Council requested that the Tribe review and provide comments on the sections and offered to set up a meeting to review their comments. A follow-up virtual meeting was held with the Salinan Tribe on April 25, 2025, to review proposed mitigation measures and the contents of the Project environmental document. The Tribe was discouraged that their presence within the Project area was not discussed, as Salinan peoples were present in the County during the pre-contact era, were forced to the Mission San Luis Obispo as neophytes, and were active in local ranches after the missions were dissolved in the Mexican era. In response, the Tribe submitted a letter on April 30, 2025, which provided information about the Salinan presence in the Project area for inclusion in the CEQA environmental document.

YTT

An email response from YTT was received by the Judicial Council on August 4, 2024, requesting consultation on a government-to-government basis. Judicial Council responded to YTT by email on August 05, 2024, with an offer to schedule a meeting. The Judicial Council sent another email to YTT on August 12, 2024, which included an Initiation of Consultation letter, proposed meeting times and draft agenda, and the Cultural Screening Memo. The Judicial Council also mailed record search documents to YTT on August 12, 2024. On August 16, 2024, Judicial Council emailed YTT to verify receipt of the previously sent email and mail.

On August 29, 2024, a virtual meeting was held between the Judicial Council Project team and YTT representatives. The tribal consultation between YTT and Judicial Council included the following topics: consultation concerns, construction related concerns, and follow up action items.

Draft Cultural Resources and Tribal Cultural Resources sections of this IS/MND we submitted to the Tribe via email and through the US Mail with a certified receipt on April 10, 2025. The Judicial Council requested that the Tribe review and provide comments on the sections and offered to set up a meeting to review their comments. The Tribe submitted comments on the IS/MND to the Judicial Council via email on May 9,2025.

Correspondence, to date, between the NAHC, Native American tribes, and the Judicial Council is provided in **Appendix A**.

3.2 Archival Research

A record search request was submitted to the Central Coast Information Center of the California Historical Resources Information System (CHRIS) at Santa Barbara Museum of Natural History on April 14, 2023 (Records Search #23-085) and the results were received on April 20, 2023 (see **Appendix B**). The purpose of the record search was to identify the presence of any previously recorded cultural resources within the Project site, as well as within a 0.25-mile buffer, and to determine whether any portions of the Project site had been surveyed for cultural resources.

The record search revealed that the Project location was included as part of one previous study (SL-02651), a Historic Resources Survey conducted by the City of San Luis Obispo Cultural Heritage Committee in 1983 (City of San Luis Obispo 1983). The survey resulted in the recordation of 132 built environment resources within the City and the establishment of five historic districts: the Downtown, Chinatown, Old Town, Mill Street, and Railroad districts. The block that contains the current courthouse complex is at the east edge of the San Luis Obispo Downtown Historic District, with the boundary of the historic district cutting between the Old Courthouse and Courthouse Annex Buildings; everything east of the Old Courthouse, including the Project site, is excluded from the historic district,

Another 85 studies were conducted within the 0.25-mile record search buffer for the Project area. A large number of these studies were for linear projects such as sewer and water main replacement and fiber optic line installation along the city streets and included archaeological exploratory testing and archaeological mitigation activities. Similar studies were conducted for city infill and building stabilization or demolition projects. Other studies focused on the recordation and evaluation of individual built environment resources that were not covered by the 1983 study.

Although no previously recorded resources are in or immediately adjacent to the Project site, the record search identified 166 previously recorded resources within the 0.25-mile search radius for the Project. While the majority of these resources are of the built environment, most of which were recorded during the 1983 survey, ten of the resources are archaeological sites. These include three pre-colonial Native American sites, five post-colonial sites, and two multi-component sites that contain materials from pre- and post-colonial periods.

As expected, historic topographic maps and aerial photographs depict the downtown area of San Luis Obispo as developed since the late 1800s, and a USGS map from 1897 depicts several buildings located within the block that contains the Proposed Project area. The earliest aerial photographs suggest that the building at Proposed Project area appears to have been constructed prior to 1956.

In addition to the NAHC sacred lands search and the CCIC record search, Montrose Environmental cultural resources staff reviewed historic topographic maps and aerial photographs to glean additional information about the history of the site. As expected, historic topographic maps and aerial photographs depict the downtown area of San Luis Obispo as developed since the late 1800s. Research for a Phase I Environmental Site Assessment (Ecotech 2023) of the Project location examined historical aerial photographs, Sanborn Insurance Maps, USGS topographic maps, and City Directories, which showed that buildings have occupied 1144 Monterey since at least 1886. The following describes the history of use for the Project site:

> Sanborn Maps and aerials show that a structure called The Pavilion covered most of the site from 1891 to at least 1939. The Pavilion was originally built as an agricultural pavilion, but the building later functioned as the Civic Auditorium, a women's civic club, and Cal Poly student housing. A small building housing the Auto Club of Southern California was on the southwest corner from 1926 to 1962. It does not appear on the 1963 aerial. The 1949 aerial and the 1950 Sanborn Map show Monterey Motors (later, Kimball Motors), an auto dealership with repair service, at 1144 Monterey, and Fred Mitchell's Richfield Gasoline Service Station at 1166 Monterey Street. The auto dealer facility added a building extension along Montereypalm Alley to the north in 1963, which is still in place. The auto dealership building has occupied 1144 Monterey from 1949 to the present. The gas station appears on aerials and Sanborns from 1949 to 1981. The 2006 aerial shows that the gas station was replaced by a parking lot. (Ecotech 2023:6-7)

To put it more succinctly, the current Parks and Recreation office comprises three buildings constructed over several decades:

- 1134 Monterey Street, at the west end of the property, was built in 1923 and originally used as an automobile club.
- 1144 Monterey Street, at the center of the property, was constructed in 1946 as a car showroom/dealership.
- 1146 Monterey Street, at the back of the parcel along the alley, was constructed about 1964 as an auto repair building.

There was also a gas station at the northwest corner of Monterey and Toro streets that operated between 1949 and 1981.

The history of 969 Toro Street is similar. According to Ecotech (2024):

> [B] buildings have occupied the [969 Toro Street parcel] since at least 1886. Sanborn Maps and aerials show that a stable occupied the northwest corner of the [parcel] from at least 1886. A house was added to the site between 1886 and 1891. Between 1891 and 1903 the stable was converted into a building. Between 1903 and 1926 the house was expanded, the other building removed, and a small new building was added along the northern property line shared with 959 Toro Street. Between 1950 and 1957 the house was further expanded. (Ecotech 2024:6)

Geoarchaeological Context

To assess the potential for buried archaeological sites within a Project area's components, an investigation will often take into account factors that either encouraged or discouraged human use or occupation of certain landforms (e.g., geomorphic setting and distance to water), combined with those that affected the subsequent preservation (i.e., erosion or burial) of those landforms. It is well known, for instance, that prehistoric archaeological sites in California are most often found on relatively level landforms near natural water sources (e.g., spring, stream, river, or estuary), which is often where two or more environmental zones (ecotones) are present. Landforms with this combination of variables are frequently found at or near the contact between a floodplain and a higher and older geomorphic surface, such as an alluvial fan or stream terrace (Hansen 2004:5).

In general, most Pleistocene-age landforms have little potential for harboring buried archaeological resources, as they developed before the first evidence of human migration into North America (ca. 13,000 years ago). However, Pleistocene or older surfaces buried below younger Holocene deposits do have a potential for containing archaeological deposits because of the long-term viability of the platform (or Pleistocene age surface) from which occupation can occur. Holocene alluvial deposits may contain buried soils (paleosols) that represent periods of landform stability before renewed deposition. The identification of paleosols within Holocene-age landforms is of particular interest because they represent formerly stable surfaces that have a potential for preserving archaeological deposits.

Based on this framework, the potential for the Project area to contain buried archaeological resources was investigated based on review of existing geologic mapping for San Luis Obispo (Wiegers 2010) and a review of pre-contact archaeological sites identified near the Project area.

The most substantial archaeological site identified in the area, CA-SLO-64H (P-40-00064) was initially identified in the 1940s (Pilling 1949) and was subsequently excavated scientifically in 2015 by Konzak and Praetzellis (2015); this site is about a quarter mile west of the Project area. The site represents a long occupation, from Pre-Contact period to Mission period, to Chinatown settlement in the 19th and early 20th Century. The site has been destroyed by the construction of the Palm Street Parking garage. However, a review of the findings of this excavation appears to suggest that the features identified were at the surface level and the location of the site would place it closer to San Luis Obispo Creek, and, as a result, more likely to yield archaeological features.

In addition, the landform that underlies the Project area is an ancient Cretaceous to Jurassic (~65-Million years ago) period Franciscan Complex, which would suggest that the landforms age far precedes human occupation for the region (Wiegers 2010). The mélange of rock formations at this location are a "chaotic" mixture of bedrock containing blueschist, greenstone, and greywacke (Wigers 2010). As such, given the presence of nearby archaeological deposits identified at the surface and the age of the landform, this would suggest that the potential for buried deposits at the Project location

is low. Consequently, any archaeological deposit at the Project location would likely have been destroyed by the development of the existing structures.

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4 Inventory Methods and Results

Cultural Survey and Results

The Project site is fully developed and almost entirely covered with concrete, asphalt, or buildings. As a result, an archaeological survey was not conducted. However, a qualified architectural historian, who meets the US Secretary of the Interior's professional standards for architectural history and history visited the location on September 11, 2024, and identified two historic-period structures at 1144 Monterey Street and 969 Toro Street within the Project area that were recorded and photographed (see **Figure 3**). Detailed information on the buildings, in addition to what is presented below, can be found in the DPR Primary Record forms prepared for each resource (see **Appendix C**).

1144 Monterey Street. The commercial property complex located at 1144 Monterey Street (APN 002-326-021-000) is comprised of three buildings currently operated by the County of San Luis Obispo as their Parks and Recreation Department. Monterey Street in the vicinity of the subject property is three lanes wide and characterized by automobile-oriented twentieth century commercial development, much of which is set back behind large parking areas; the property is part of an area that was historically dominated by automobile dealerships and other car-related businesses.

The building complex is composed of three connected structures, all in good condition. The small rectangular-plan west building (1134 Monterey Street) is single-story and was constructed in 1923. Its northeast wall is immediately adjacent to the main building (1144 Monterey Street), which is rectangular in plan and flat-roofed with one- and two-story sections that includes a partial basement. It stretches across the parcel from north to south; it was constructed in 1946. A perpendicular 1960 addition (1146 Monterey Street), projects from the main building along the alley (Montereypalm Alley) that forms the northwest boundary of the parcel. It is irregular in plan and one-story with a flat roof.

1134 Monterey Street (the southwest volume) was originally constructed in the Spanish Revival architectural style, and it retains some remnants of its original design despite heavy alterations. The building has a flat roof but there is a decorative clay tile shed roof at the main façade. The building is constructed of brick, which is stuccoed on the side and rear elevations; the main façade is clad in decorative brick laid in stack bond. A decorative stuccoed chimney at the junction of 1134 Monterey Street and the adjacent 1144 Monterey Street has its own diminutive clay tile roof.

The main building (1144 Monterey Street) connects to 1134 Monterey Street and stretches the entire length of the parcel. Although research has not revealed any early photographs, comparison with nearby buildings constructed about the same time, in addition to the plan and form of 1144 Monterey Street, indicate that it was originally an example of Streamline Moderne architecture. It has a flat roof and is constructed of brick with stucco cladding. Originally an automobile dealership, the south end is a one-story auto showroom with a rounded southeast corner. A taller section behind the showroom was originally an office with a small apartment above; the north end of the building has a large vehicle opening with roll-up door and was designed as a car repair area. The interior of the showroom has been converted to contemporary office use with fluorescent lighting, partitions, and other modifications but displays some rounded forms that appear to date from the original Streamline Moderne building design.

1146 Monterey Street is a long narrow structure that extends northeast off the back portion of 1144 Monterey Street, across the rear of the parcel and parallel to Montereypalm Alley. Compared to the

two older buildings on the property, it appears to have been altered very little over the years. It is a rather utilitarian example of Midcentury Modern architecture that was constructed to serve as an auto repair shop. It is constructed of concrete masonry units with a stucco soffit along the west half of the main portion of the building, and decorative diamond-pattern concrete masonry units on its east half. There are two vehicle openings with roll-up metal doors to the right of the human-scale entrance. An open carport area occupies the center of the building. The right end of the building appears to have been designed as an office. The back of the building along the alley lacks fenestration or entrances.

There had been several automobile-oriented businesses on the stretch of Monterey Street between Santa Rosa and Toro streets since at least the 1920s (including 1134 Monterey Street), and the area was known as auto row.

The 969 Toro Street parcel (APN 002-326-012-000) is occupied by a small single-family residence and carport with landscaping that is limited to a couple of mature trees and small areas of drought-tolerant plantings. The home is a one-story, stucco-covered Pueblo Revival-style house with a flat roof and no eaves. Its main volume is rectangular in plan, with an irregular plan rear section and a carport projecting from the northwest side. The carport has a flat roof and is clad in stucco. It is accessed by a short dirt driveway. A tall board fence separates the back yard from the alley behind the property. The building is in good condition and the yard is well maintained.

Figure 3. Properties Identified within Project Area

5 Identified Resource Evaluations

The NRHP and CRHR require that a significance criterion from A to D or 1 to 4 (respectively) be met for a resource to be eligible. The following outlines the evaluations conducted for the identified resources within the Project area: 1144 Monterey Street and 969 Toro Street. The DPR Primary Record forms are provided in Appendix C.

1144 Monterey Street

Criterion A/1: The subject property is not associated with events that have made a significant contribution to the broad patterns of our history. The property is generally associated with mid-twentieth century commercial expansion as well as the proliferation of automobile-oriented businesses in San Luis Obispo during that era. Research has not revealed that the property is significant within those historic contexts or any other important historic context. Therefore, the property is recommended ineligible to the NRHP or CRHR under Criterion A/1.

Criterion B/2: The subject property is not associated with the life of persons important to our history. Research has revealed no important professional accomplishments or lasting impacts on local history by individuals associated with the property, and the property type has limited potential for significant association with important persons. The building has been home to a number of car dealerships, none of which have had a significant impact on the automotive industry or on local history. Several locally prominent individuals owned the property, but none were significantly associated with it for a substantial length of time. Therefore, the property lacks the strength of association required for eligibility under Criterion B/2. The property is recommended ineligible to the NRHP or CRHR under Criterion B/2.

Criterion C/3: The property is not significant for its architecture. Research has revealed no evidence that its buildings were designed by an architect or a notable local builder. Nor does the building exhibit the design elements present in architectural landmarks. The three connected buildings were constructed over a period of nearly 40 years and reflect an ad hoc approach to building design in which various forms and materials were utilized to meet changing needs over time. Furthermore, the two older buildings have been substantially altered over the years. The 1923 automobile club building was originally a good if simple example of Spanish Revival architecture. Its main façade details, which originally included a wide wood door, smooth stucco cladding, heavy classical columns, and display windows with transoms, have all been lost. Likewise, the portion of the 1946 car dealership building closest to the street appears to have been heavily altered. Research has revealed no early photographs or architectural drawings of the building, however, its large display windows, rounded south corner, flat roof, and curved interior forms as well as the fact that early aerial photographs do not show a tile roof strongly suggest that it was originally an example of Streamline Moderne architecture. Two nearby car dealership buildings across the street from the subject property were constructed during the same era and exhibit Streamline Moderne design details including similar curved corners. It is highly likely that the car showroom was altered about 1980 when it was consolidated with the former automobile club building. The 1960 volume is fairly utilitarian and lacks architectural distinction. Therefore, the property lacks both architectural significance and integrity required for historic listing based on design. For these reasons, the property is recommended ineligible to the NRHP or CRHR under Criterion C/3.

Criterion D/4: In rare instances, buildings themselves can serve as sources of important information about historic construction materials or technologies and be significant under Criterion D/4. The subject property is an example of well-understood types of construction and does not appear to be a principal source of important information in this regard.

The property is recommended ineligible for listing on the NRHP or CRHR. It does not qualify as a historical resource under CEQA.

969 Toro Street

The NRHP and CRHR require that a significance criterion from A to D or 1 to 4 (respectively) be met for a resource to be eligible.

Criterion A/1: The residential property at 969 Toro Street is not associated with events that have made a significant contribution to the broad patterns of our history. The property is generally associated with the residential development of San Luis Obispo in the early twentieth century. Research has not revealed that the property is significant within that or any other historic context. Therefore, the property is recommended ineligible to the NRHP or CRHR under Criterion A/1.

Criterion B/2: The property is not associated with the life of persons important to our history. The families that lived on the property were not significant contributors to San Luis Obispo's development, and research has revealed no important professional accomplishments or lasting impact on local history or on agriculture. It was a house that provided shelter for ordinary working people: a cosmetologist, dairy rancher, blacksmith/mechanic, and veterans. Therefore, the property lacks the strength of association required for eligibility under Criterion B/2. The property is recommended ineligible to the NRHP or CRHR under Criterion B/2.

Criterion C/3: The property is not significant for its architecture. Research has revealed no evidence that it was designed by an architect. While the building exhibits some elements of the Pueblo Revival architecture, it is not a significant example of the style. It does not exhibit the design elements present in architectural landmarks. Furthermore, original features such as decorative wood beams and wood-sash windows have been removed. For these reasons, the property lacks the significance and integrity required for historic listing and is recommended ineligible to the NRHP or CRHR under Criterion C/3.

Criterion D/4: In rare instances, buildings themselves can serve as sources of important information about historic construction materials or technologies and be significant under Criterion D/4. 969 Toro Street is an example of well-understood types of construction and does not appear to be a principal source of important information in this regard.

The property is recommended ineligible for listing on the NRHP or CRHR. It does not qualify as a historical resource under CEQA.

6 Summary and Recommendations

The Judicial Council of California is proposing to replace the existing courthouse in the City of San Luis Obispo with a new facility located about one block to the east. The Proposed Project would replace the existing Courthouse Annex building, built in 1982 and owned by San Luis Obispo County. The new building would be located at 1144 Monterey Street on a parcel currently owned by the County. A second parcel at 969 Toro Street, located directly adjacent and north, which would be used for parking, is privately owned.

An archaeological survey was not conducted due to the developed hardscape across the property. The records search obtained from the CCIC reported that one study had been conducted within the Proposed Project site and an additional 85 studies had been conducted within the 0.25-mile search radius around the Proposed Project site. Although the records search did not report the presence of any known archaeological resources within the Proposed Project site, ten previously recorded archaeological resources were identified within the 0.25-mile search radius. These include three pre-colonial Native American sites, five post-colonial sites, and two multi-component sites that contain materials from pre- and post-colonial periods. To date, consulting tribes have not identified any TCRs within the Proposed Project site.

A field review was conducted to photograph and record the extant buildings at the Proposed Project location by an architectural historian who meets the qualifications pursuant to the U.S. Secretary of the Interior's professional standards in architectural history. Although both subject buildings within the Proposed Project site are more than 50 years old, neither appear eligible for listing on the Californian Register of Historical Resources or meet the criteria as a California Historical Landmark.

Although no archaeological sites were identified by the cultural resource assessment, nor have TCRs been identified during tribal consultation, significant cultural resources may still be buried or re-deposited with no surface manifestation. This is despite the low likelihood of deeply buried deposits being identified at the Project area location due to the age of the landform (Cretaceous to Jurassic period). If prehistoric or historic-era materials are encountered, all work in the vicinity should halt until a qualified archaeologist can evaluate the discovery and make recommendations in accordance with 36 CFR Section 800.13(b).

The possibility of encountering human remains cannot be discounted, even though the Project area has been previously disturbed. Section 7050.5 of the California Health and Safety Code states that it is a misdemeanor to knowingly disturb a human burial. If human remains are encountered, work should halt in the vicinity of the remains and, as required by law, the San Luis Obispo County coroner should be notified immediately. An archaeologist should also be contacted to evaluate the find. If human remains are of Native American origin, the coroner must notify the NAHC within 24 hours of that determination. Pursuant to PRC Section 5097.98, the NAHC, in turn, will immediately contact an individual who is most likely descended from the remains (the "Most Likely Descendant"). The Most Likely Descendant has 48 hours to inspect the site and recommend treatment of the remains. The landowner is obligated to work with the Most Likely Descendant in good faith to find a respectful resolution to the situation and entertain all reasonable options regarding the Most Likely Descendant's preferences for treatment.

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7 References

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Appendix A
Native American Consultation

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Local Government Tribal Consultation List Request

Native American Heritage Commission
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95691
916-373-3710
916-373-5471 – Fax
nahc@nahc.ca.gov

Type of List Requested

■ **CEQA Tribal Consultation List (AB 52)** – ***Per Public Resources Code § 21080.3.1, subs. (b), (d), (e) and 21080.3.2***

☐ **General Plan (SB 18)** - ***Per Government Code § 65352.3.***

Local Action Type:

☐ **General Plan** ☐ **General Plan Element** ☐ **General Plan Amendment**

☐ **Specific Plan** ☐ **Specific Plan Amendment** ☐ **Pre-planning Outreach Activity**

Required Information

Project Title: San Luis Obispo Courts Project

Local Government/Lead Agency: CA Judicial Council

Contact Person: Janis Offermann / Montrose Environmental Services

Street Address: 1801 7th Street, Suite 100

City: Sacramento, CA **Zip:** 95811

Phone: 530.220.4918 **Fax:**

Email: jaoffermann@montrose-env.com

Specific Area Subject to Proposed Action

County: San Luis Obispo **City/Community:** San Luis Obispo

Project Description:

The California Judicial Council is conducting a preliminary review of four sites in San Luis Obispo for the location of a new courthouse.

Additional Request

■ **Sacred Lands File Search** - ***Required Information:***

USGS Quadrangle Name(s): San Luis Obispo, Pismo Beach

Township: 30-31 South **Range:** 12E **Section(s):** 26, 36, 10, 11, 12

NATIVE AMERICAN HERITAGE COMMISSION

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

April 19, 2023

Janis Offermann
Montrose Environmental Services

Via Email to: jaoffermann@montrose-env.com

Re: Native American Tribal Consultation, Pursuant to the Assembly Bill 52 (AB 52), Amendments to the California Environmental Quality Act (CEQA) (Chapter 532, Statutes of 2014), Public Resources Code Sections 5097.94 (m), 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2 and 21084.3, San Luis Obispo Courts Project, San Luis Obispo County

To Whom It May Concern:

Pursuant to Public Resources Code section 21080.3.1 (c), attached is a consultation list of tribes that are traditionally and culturally affiliated with the geographic area of the above-listed project. Please note that the intent of the AB 52 amendments to CEQA is to avoid and/or mitigate impacts to tribal cultural resources, (Pub. Resources Code §21084.3 (a)) ("Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource.")

Public Resources Code sections 21080.3.1 and 21084.3(c) require CEQA lead agencies to consult with California Native American tribes that have requested notice from such agencies of proposed projects in the geographic area that are traditionally and culturally affiliated with the tribes on projects for which a Notice of Preparation or Notice of Negative Declaration or Mitigated Negative Declaration has been filed on or after July 1, 2015. Specifically, Public Resources Code section 21080.3.1 (d) provides:

Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section.

The AB 52 amendments to CEQA law does not preclude initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction prior to receiving requests for notification of projects in the tribe's areas of traditional and cultural affiliation. The Native American Heritage Commission (NAHC) recommends, but does not require, early consultation as a best practice to ensure that lead agencies receive sufficient information about cultural resources in a project area to avoid damaging effects to tribal cultural resources.

The NAHC also recommends, but does not require that agencies should also include with their notification letters, information regarding any cultural resources assessment that has been completed on the area of potential effect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

- A listing of any and all known cultural resources that have already been recorded on or adjacent to the APE, such as known archaeological sites;
- Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
- Whether the records search indicates a low, moderate, or high probability that unrecorded cultural resources are located in the APE; and
- If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

- Any report that may contain site forms, site significance, and suggested mitigation measures.

  All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code section 6254.10.

3. The result of any Sacred Lands File (SLF) check conducted through the Native American Heritage Commission was positive. Please contact the tribes on the attached list for more information.

4. Any ethnographic studies conducted for any area including all or part of the APE; and

5. Any geotechnical reports regarding all or part of the APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS are not exhaustive and a negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event that they do, having the information beforehand will help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our consultation list remains current.

If you have any questions, please contact me at my email address: Cody.Campagne@nahc.ca.gov.

Sincerely,

Cody Campagne

Cody Campagne
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Tribal Consultation List
San Luis Obispo County
4/19/2023

Barbareno/Ventureno Band of Mission Indians
Dayna Barrios, Chairperson
Phone: (805) 890 - 6855 Chumash
barrios_dayna@yahoo.com

Barbareno/ Ventureno Band of Mission Indians
Annette Ayala, CRM Committee Chair
188 S. Santa Rosa Street Chumash
Ventura, CA, 93001
Phone: (805) 515 - 9844
annetteayala78@yahoo.com

Chumash Council of Bakersfield
Julio Quair, Chairperson
729 Texas Street Chumash
Bakersfield, CA, 93307
Phone: (661) 322 - 0121
chumashtribe@sbcglobal.net

Coastal Band of the Chumash Nation
Gabe Frausto, Vice Chair
P.O. Box 40653 Chumash
Santa Barbara, CA, 93140
Phone: (805) 324 - 0135
cbcn22vicechair@gmail.com

Coastal Band of the Chumash Nation
Mia Lopez, Chairperson
P. O. Box 40653 Chumash
Santa Barbara, CA, 93140
Phone: (805) 324 - 0135
cbcntribalchair@gmail.com

Northern Chumash Tribal Council
Violet Walker, Chairperson
P.O. Box 6533 Chumash
Los Osos, CA, 93412
Phone: (760) 549 - 3532
violetsagewalker@gmail.com

Salinan Tribe of Monterey, San Luis Obispo Counties
Patti Dunton, Tribal Administrator
7070 Morro Road, Suite A Salinan
Atascadero, CA, 93422
Phone: (805) 464 - 2650
info@salinantribe.com

San Luis Obispo County Chumash Council
Chumash

Santa Ynez Band of Chumash Indians
Kenneth Kahn, Chairperson
P.O. Box 517 Chumash
Santa Ynez, CA, 93460
Phone: (805) 688 - 7997
Fax: (805) 686-9578
Chairman@chumash.gov

Tule River Indian Tribe
Neil Peyron, Chairperson
P.O. Box 589 Yokut
Porterville, CA, 93258
Phone: (559) 781 - 4271
Fax: (559) 781-4610
neil.peyron@tulerivertribe-nsn.gov

yak tityu tityu yak tiłhini – Northern Chumash Tribe
Mona Tucker, Chairperson
660 Camino Del Rey Chumash
Arroyo Grande, CA, 93420
Phone: (805) 748 - 2121
olivas.mona@gmail.com

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and section 5097.98 of the Public Resources Code.

This list is only applicable for consultation with Native American tribes under Public Resources Code Sections 21080.3.1 for the proposed San Luis Obispo Courts Project, San Luis Obispo County.

Chumash

Cultural Affiliation:
Chumash

Language family: Hokan

Chumash-affiliated Tribes:

Barbareno/ Ventureno Band of Mission Indians
365 North Poli Avenue
Ojai, CA 93023

Chumash Council of Bakersfield
729 Texas Street
Bakersfield, CA 93307

Coastal Band of the Chumash Nation
24 S. Voluntario Street
Santa Barbara, CA 93101

Northern Chumash Tribal Council
P. O. Box 6533
Los Osos, CA 93412

San Luis Obispo County Chumash Council
1030 Ritchie Road
Grover Beach, CA 93433

Santa Ynez Band of Chumash Indians
P.O. Box 517
Santa Ynez, CA 93460

Tejon Indian Tribe
1731 Hasti-acres Drive, Suite 108
Bakersfield, CA

yak tityu tityu yak tiłhini – Northern Chumash Tribe
660 Camino Del Rey
Arroyo Grande, CA 93420

Cultural affiliations are self-reported by Tribes.

SLO Courthouse
Native American Coordination Tracking Sheet

Tribe	Name	Address	Contact Information	Notification Letter Mailed/Emailed	Tribe 30-Day Reply	Designated Tribal POC	Follow-up/Comments
Barbareno/Ventureno Band of Mission Indians	Dayna Barrios, Chairperson		Phone: (805) 890 - 6855 barrios_dayna@yahoo.com	O7/24/2024			
Barbareno/ Ventureno Band of Mission Indians	Annette Ayala, CRM Committee Chair	188 S. Santa Rosa Street Ventura, CA, 93001	Phone: (805) 515 - 9844 annetteayala78@yahoo.com	O7/24/2024			
Chumash Council of Bakersfield	Julio Quair, Chairperson	729 Texas Street Bakersfield, CA, 93307	Phone: (661) 322 - 0121 chumashtribe@sbcglobal.net	O7/24/2024			
Coastal Band of the Chumash Nation	Gabe Frausto, Vice Chair	P.O. Box 40653 Santa Barbara, CA, 93140	Phone: (805) 324 - 0135 cbcn22vicechair@gmail.com	O7/24/2024			
Coastal Band of the Chumash Nation	Mia Lopez, Chairperson	P. O. Box 40653 Santa Barbara, CA, 93140	Phone: (805) 324 - 0135 cbcntribalchair@gmail.com	O7/24/2024			
Northern Chumash Tribal Council	Violet Walker, Chairperson	P.O. Box 6533 Los Osos, CA, 93412	Phone: (760) 549 - 3532 violetsagewalker@gmail.com	O7/24/2024	07/31/2024	Ernest Houston ernest@northernchumash.org Violet Walker violetsagewalker@gmail.com	07/31/2024: Emailed letter from tribe requesting consultation. 08/16/2024: Virtual meeting with JCC and NCTC. NCTC followed up with email thanking the JCC for the meeting on the same day. 04/10/2025: Draft IS/MND sections for review were mailed and sent by certified mail. 04/23/2025: Virtual meeting with JCC and Tribe to discuss the IS/MND.
Salinan Tribe of Monterey, San Luis Obispo Counties	Patti Dunton, Tribal Administrator	7070 Morro Road, Suite A Atascadero, CA, 93422	Phone: (805) 464 - 2650 info@salinantribe.com	O7/24/2024	08/23/2024	Robert Piatti monitoring@salinantribe.com Patti Dunton info@salinantribe.com	08/21/2024: Email from the Tribe expressing interest in the project and requesting monitoring by the Tribe. 08/22/2024: JCC response requesting clarification about the Tribe's intention to consult. 08/23/2024: Response from Tribe stating that they would like to consult. 08/26/2024: Letter from JCC to Tribe initiating formal consultation and providing potential meeting dates. 08/28/2024: Email from Tribe identifying available dates to meet. 09/05/2024: Virtual meeting with JCC and Salinan Tribe. 04/10/2025: Draft IS/MND sections for review were mailed and sent by certified mail. 04/25/2025: Virtual meeting with JCC and Tribe to discuss the IS/MND.
San Luis Obispo County Chumash Council		1030 Ritchie Road Grover		07/24/2024 (mailed – no email sent)			

SLO Courthouse
Native American Coordination Tracking Sheet

		Beach, CA, 93433					
Santa Ynez Band of Chumash Indians	Kenneth Kahn, Chairperson	P.O. Box 517 Santa Ynez, CA, 93460	Phone: (805) 688 - 7997 Fax: (805) 686-9578 Chairman@chumash.gov	O7/24/2024			
Tule River Indian Tribe	Neil Peyron, Chairperson	P.O. Box 589 Porterville, CA, 93258	Phone: (559) 781 - 4271 Fax: (559) 781-4610 neil.peyron@tulerivertribe-nsn.gov	O7/24/2024			
yak tityu tityu yak tiłhini (YTT) – Northern Chumash Tribe	Mona Tucker, Chairperson	660 Camino Del Rey Arroyo Grande, CA, 93420	Phone: (805) 748 - 2121 olivas.mona@gmail.com	O7/24/2024	08/04/2024	Mona Tucker olivas.mona@gmail.com	08/04/2024: YTT emailed request for consultation 08/05/2024: JCC emailed to schedule meeting. 08/12/2024: JCC emailed initiation of consultation letter, proposed meeting times and draft agenda, and Cultural Screening Memo. 08/12/2024: JCC mailed record search documents to YTT. 08/16/2024: JCC emailed to verify receipt of previous email and mail. 08/29/2024: Virtual meeting with YTT and JCC. 04/10/2025: Draft IS/MND sections for review were mailed and sent by certified mail. 05/09/2025: The Tribe provided comments on the IS/MND via email.

PROJECT DESCRIPTION FOR TRIBAL CONSULTATION

Project Location and Description

The Judicial Council proposes to construct and operate a new courthouse within the city of San Luis Obispo (Project). The two parcels identified for the proposed Project are located in downtown San Luis Obispo, in San Luis Obispo County (Figures 2-1, 2-2, and 2-3). The main portion of the proposed Project site [APN 002-326-021] is a 1.36-acre site located at 1144 Monterey Street, on the west corner of Toro Street and Monterey Street currently owned by the County of San Luis Obispo. The proposed Project site will also include a portion of the existing Monterey Palm Alley on the north side of the parcel (resulting in its closure), a portion of the southbound lane of Toro Street on the east side of the parcel, and a currently occupied privately owned residential parcel [APN 002-326-012] at 969 Toro Street, immediately north of Monterey Palm Alley. The residential structure is proposed to be demolished to provide an additional site buffer, vehicular access to the secure parking within the new courthouse building, and surface parking for court-owned vehicles and unoccupied sheriff transport vans. Both parcels, combined with the alley and partial Toro Street closures, result in a project site area of approximately 1.43 acres.

The County-owned parcel at 1144 Monterey Street is occupied primarily by the San Luis Obispo County Parks and Recreation Department and County Public Works Facilities Maintenance and Management with minor use by the Court for records storage. Two paved parking areas utilized by the County are present on site; one west of the existing building and one east, both of which are proposed to be removed as part of the proposed Project. The existing building, which would be demolished, is approximately 15,780 gross square feet and consists of a partial basement used for storage and a first and second floor used for government offices. The building extends to the east as a single story adjacent to Monterey Palm alley and includes several automotive service bays and offices.

The proposed Project would involve demolition of two buildings and construction of a new five-story, 12-courtroom courthouse of approximately 145,000 square feet. The existing topography includes approximately 14 feet of fall across the north-south direction of the site, placing the top of the fifth-floor parapet at approximately 84 feet above ground level along Monterey Street and 70 feet adjacent to Monterey Palm Alley. The proposed Project would include seventeen (17) secured parking spaces within the building for judicial officers and executive staff. Juror, public, and staff parking would continue to be available at the City's public parking garages at 812 Palm Street, 919 Palm Street, and 680 Monterey Street, as currently being utilized for the existing downtown courthouse facilities within a block of the new courthouse location.

The proposed Project site would have vehicle access from three locations: one on Monterey Street for in-custody transport vehicles into a secured and gated perimeter; a second from Toro Street for judicial staff into the secured parking within the building; and a third from Monterey Palm Alley for service deliveries and waste pick-up. The public entrance would be located at the southeast corner of the building, at the intersection of Monterey and Toro Streets (Figure 2-4, Conceptual Site Plan).

The Project would also require the construction of supporting infrastructure, including stormwater, potable water, wastewater, electricity and natural gas that are already existing and available to the Project site.

Records Search and Field Survey Results Summary

The Judicial Council retained Montrose Environmental to conduct a cultural resource investigation of the Project site to begin the process of complying with the California Environmental Quality Act (CEQA). During the cultural resource investigation, a sacred lands files search was conducted by the Native American Heritage Commission (NAHC) on April 19, 2023 to determine if recorded sacred sites are located on or near the proposed Project Site. The NAHC indicated that the search of the sacred lands files was positive. Additionally, a record search was conducted by staff at the Central Coast Information Center (CCIC) at the Santa Barbara Museum of Natural History on April 20, 2023 to determine if there are any previously recorded cultural resources within the Project Site or within a 0.25-mile radius of the Project Site. The records search by CCIC revealed that while there are no previously recorded cultural resources located on the Project site, there are previously recorded cultural resources located within the 0.25-mile radius of the Project site, including 10 recorded archeological sites.

Figure 2-1
Project Vicinity

Project Location

N

0 5
Miles

MONTROSE ENVIRONMENTAL

New San Luis Obispo Courthouse Project

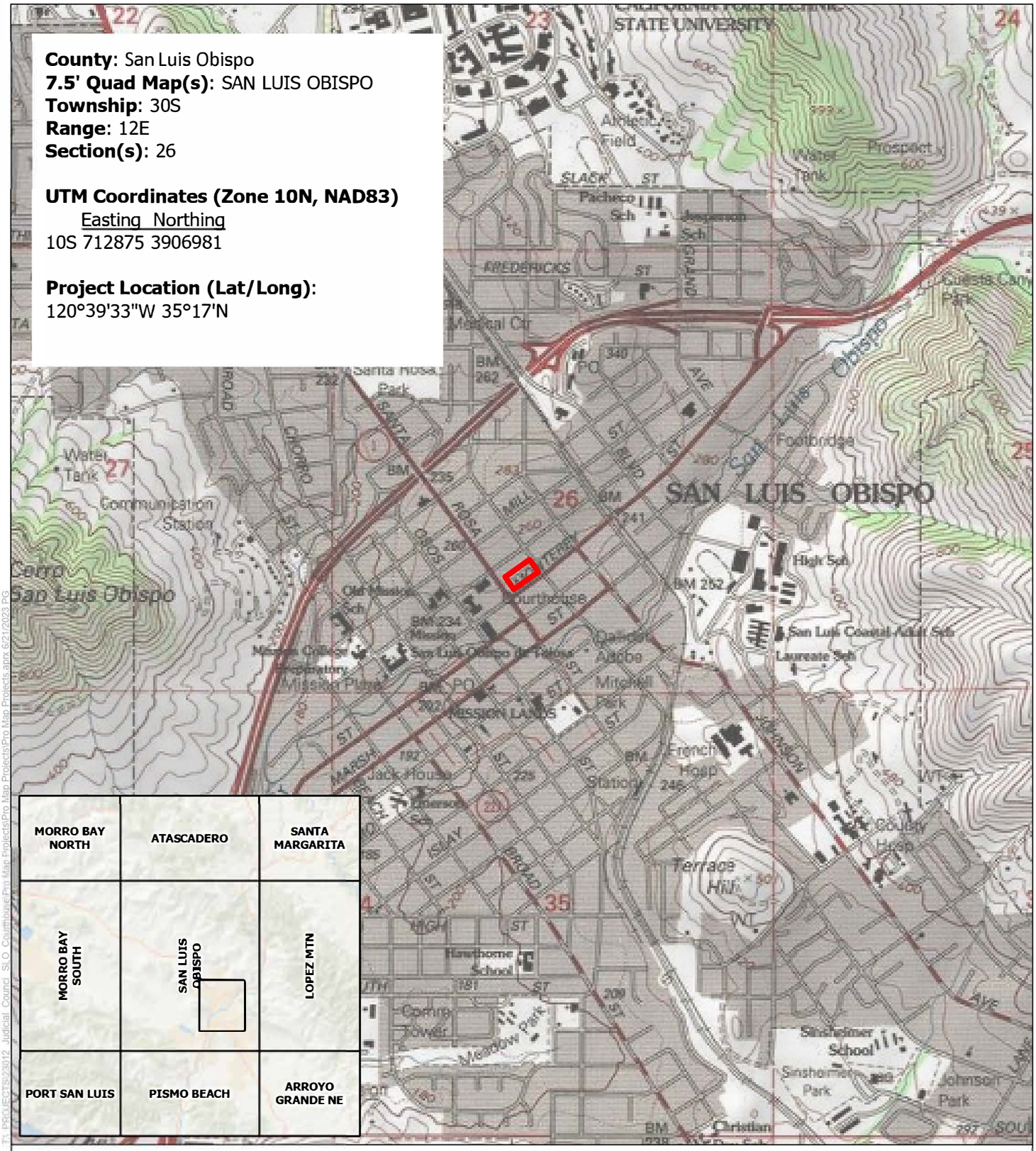

Figure 2-2
Project Location

MONTROSE ENVIRONMENTAL

New San Luis Obispo Courthouse Project

Figure 2-3
Proposed Project Site

MONTROSE ENVIRONMENTAL

New San Luis Obispo Courthouse Project

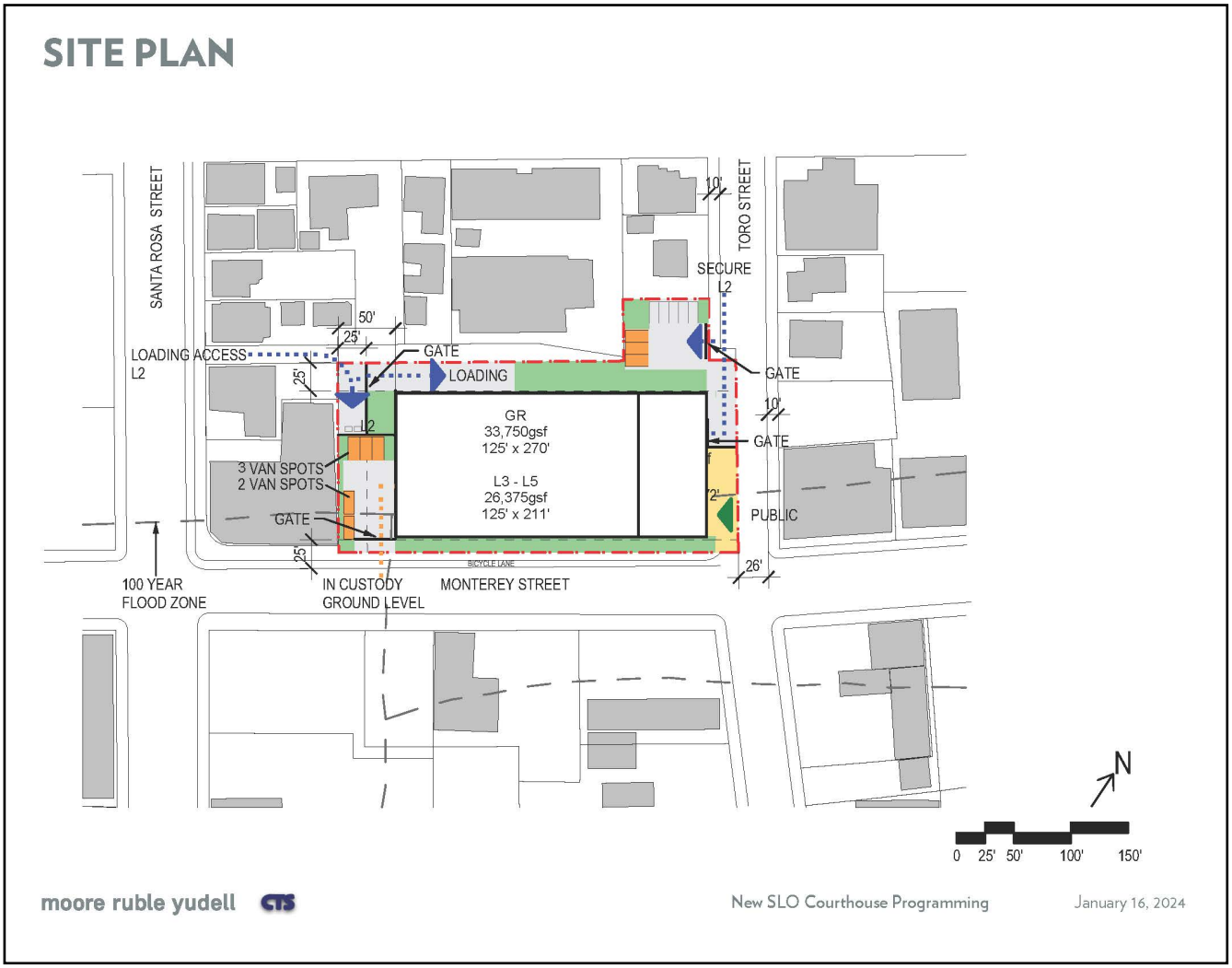

Figure 2-4. Conceptual Site Plan

Judicial Council *of* California

455 Golden Gate Avenue · San Francisco, California 94102-3688
Telephone 415-865-4200 · Fax 415-865-4205

PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

July 24, 2024

VIA EMAIL AND CERTIFIED MAIL

Barbareno/Ventureno Band of Mission Indians
c/o Dayna Barrios, Chairperson
365 North Poli Avenue
Ojai, CA 93023

RE: Invitation to Consult on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County

Dear Chairperson Barrios,

The Judicial Council of California ("Judicial Council") has decided to undertake the New San Luis Obispo Courthouse Project ("Project") in the city of San Luis Obispo, San Luis Obispo County, California and is hereby providing you with notice pursuant to the California Environmental Quality Act ("CEQA") and AB 52 (Gatto, 2014).

Below please find a description of the proposed Project and the name of our Project point of contact, pursuant to PRC § 21080.3.1 (d). We have also enclosed a Project Description for Tribal Consultation with maps locating the Project site. If you would like further information about the Project in order to assess whether to participate in consultation, please contact the Project Manager.

Project: New San Luis Obispo Courthouse Project
Project Site: Two legal parcels located south of State Route 101 in the City of San Luis Obispo, San Luis Obispo County
Parcel 1 bounded by Monterey Street to the south, Toro Street to the east, Monterey Palm Alley to the north and Santa Rosa Street to the west [APN: 002-326-021]
Parcel 2 bounded by Monterey Palm Alley to the south, Toro Street to the east, Palm Street to the north, and Santa Rosa Street to the west [APN: 002-326-012]
Lead Agency Point of Contact: Kim Bobic, Senior Project Manager, Judicial Council

We would appreciate receipt of your written request for consultation within 30 days from receipt of this letter (PRC § 21080.3.1 (b)).

Information related to this Project is available for review on the Judicial Council's website at: https://www.courts.ca.gov/48476.htm.

Respectfully,

Kim Bobic
Senior Project Manager
Judicial Council of California

Enclosures: Project Location and Description and Records Search Results
Figure 2-1. Regional Location Map
Figure 2-2. Project Location Map
Figure 2-3. Proposed Project Location
Figure 2-4. Conceptual Site Plan

Bobic-T, Kim

From: Bobic-T, Kim
Sent: Wednesday, July 24, 2024 12:01 PM
To: barrios_dayna@yahoo.com
Subject: New San Luis Obispo Courthouse Project; Invitation to Consult on Tribal Cultural Resources (AB 52)
Attachments: AB 52 Ltr_Invitation to Consult_Barrios.pdf

Dear Chairperson Barrios,

Please find the attached Invitation to Consultation on Tribal Cultural Resources (AB 52) for the Judicial Council of California's New San Luis Obispo Courthouse Project in the city of San Luis Obispo, San Luis Obispo County. A copy of this invitation was additionally mailed today to your attention at the following address:

Barbareno/Ventureno Band of Mission Indians
365 North Poli Avenue
Ojai, CA 93023

We would appreciate your response within 30 days from receipt of this letter to request consultation, in writing, with the Judicial Council (PRC § 21080.3.1 (b)).

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California
455 Golden Gate Avenue, San Francisco, CA 94102-3688
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

Judicial Council *of* California

455 Golden Gate Avenue · San Francisco, California 94102-3688
Telephone 415-865-4200 · Fax 415-865-4205

PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

July 24, 2024

VIA EMAIL AND CERTIFIED MAIL

Barbareno/Ventureno Band of Mission Indians
c/o Annette Ayala, CRM Committee Chair
188 S. Santa Rosa Street
Ventura, CA 93001

RE: Invitation to Consult on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County

Dear Ms. Ayala,

The Judicial Council of California ("Judicial Council") has decided to undertake the New San Luis Obispo Courthouse Project ("Project") in the city of San Luis Obispo, San Luis Obispo County, California and is hereby providing you with notice pursuant to the California Environmental Quality Act ("CEQA") and AB 52 (Gatto, 2014).

Below please find a description of the proposed Project and the name of our Project point of contact, pursuant to PRC § 21080.3.1 (d). We have also enclosed a Project Description for Tribal Consultation with maps locating the Project site. If you would like further information about the Project in order to assess whether to participate in consultation, please contact the Project Manager.

Project: New San Luis Obispo Courthouse Project
Project Site: Two legal parcels located south of State Route 101 in the City of San Luis Obispo, San Luis Obispo County
Parcel 1 bounded by Monterey Street to the south, Toro Street to the east, Monterey Palm Alley to the north and Santa Rosa Street to the west [APN: 002-326-021]
Parcel 2 bounded by Monterey Palm Alley to the south, Toro Street to the east, Palm Street to the north, and Santa Rosa Street to the west [APN: 002-326-012]
Lead Agency Point of Contact: Kim Bobic, Senior Project Manager, Judicial Council

We would appreciate receipt of your written request for consultation within 30 days from receipt of this letter (PRC § 21080.3.1 (b)).

Information related to this Project is available for review on the Judicial Council's website at: https://www.courts.ca.gov/48476.htm.

Respectfully,

Kim Bobic
Senior Project Manager
Judicial Council of California

Enclosures: Project Location and Description and Records Search Results
Figure 2-1. Regional Location Map
Figure 2-2. Project Location Map
Figure 2-3. Proposed Project Location
Figure 2-4. Conceptual Site Plan

Bobic-T, Kim

From: Bobic-T, Kim
Sent: Wednesday, July 24, 2024 12:04 PM
To: 'annetteayala78@yahoo.com'
Subject: New San Luis Obispo Courthouse Project; Invitation to Consult on Tribal Cultural Resources (AB 52)
Attachments: AB 52 Ltr_Invitation to Consult_Ayala.pdf

Dear CRM Committee Chair Ayala,

Please find the attached Invitation to Consultation on Tribal Cultural Resources (AB 52) for the Judicial Council of California's New San Luis Obispo Courthouse Project in the city of San Luis Obispo, San Luis Obispo County. A copy of this invitation was additionally mailed today to your attention at the following address:

Barbareno/Ventureno Band of Mission Indians
188 S. Santa Rosa Street
Ventura, CA 93001

We would appreciate your response within 30 days from receipt of this letter to request consultation, in writing, with the Judicial Council (PRC § 21080.3.1 (b)).

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California
455 Golden Gate Avenue, San Francisco, CA 94102-3688
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

Judicial Council *of* California

455 Golden Gate Avenue · San Francisco, California 94102-3688
Telephone 415-865-4200 · Fax 415-865-4205

PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

July 24, 2024

VIA EMAIL AND CERTIFIED MAIL

Chumash Council of Bakersfield
c/o Julio Quair, Chairperson
729 Texas Street
Bakersfield, CA 93307

RE: Invitation to Consult on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County

Dear Chairperson Quair,

The Judicial Council of California ("Judicial Council") has decided to undertake the New San Luis Obispo Courthouse Project ("Project") in the city of San Luis Obispo, San Luis Obispo County, California and is hereby providing you with notice pursuant to the California Environmental Quality Act ("CEQA") and AB 52 (Gatto, 2014).

Below please find a description of the proposed Project and the name of our Project point of contact, pursuant to PRC § 21080.3.1 (d). We have also enclosed a Project Description for Tribal Consultation with maps locating the Project site. If you would like further information about the Project in order to assess whether to participate in consultation, please contact the Project Manager.

Project: New San Luis Obispo Courthouse Project
Project Site: Two legal parcels located south of State Route 101 in the City of San Luis Obispo, San Luis Obispo County
Parcel 1 bounded by Monterey Street to the south, Toro Street to the east, Monterey Palm Alley to the north and Santa Rosa Street to the west [APN: 002-326-021]
Parcel 2 bounded by Monterey Palm Alley to the south, Toro Street to the east, Palm Street to the north, and Santa Rosa Street to the west [APN: 002-326-012]
Lead Agency Point of Contact: Kim Bobic, Senior Project Manager, Judicial Council

We would appreciate receipt of your written request for consultation within 30 days from receipt of this letter (PRC § 21080.3.1 (b)).

Information related to this Project is available for review on the Judicial Council's website at: https://www.courts.ca.gov/48476.htm.

Respectfully,

Kim Bobic
Senior Project Manager
Judicial Council of California

Enclosures: Project Location and Description and Records Search Results
Figure 2-1. Regional Location Map
Figure 2-2. Project Location Map
Figure 2-3. Proposed Project Location
Figure 2-4. Conceptual Site Plan

Bobic-T, Kim

From: Bobic-T, Kim
Sent: Wednesday, July 24, 2024 12:15 PM
To: chumashtribe@sbcglobal.net
Subject: New San Luis Obispo Courthouse Project; Invitation to Consult on Tribal Cultural Resources (AB 52)
Attachments: AB 52 Ltr_Invitation to Consult_Quair.pdf

Dear Chairperson Quair,

Please find the attached Invitation to Consultation on Tribal Cultural Resources (AB 52) for the Judicial Council of California's New San Luis Obispo Courthouse Project in the city of San Luis Obispo, San Luis Obispo County. A copy of this invitation was additionally mailed today to your attention at the following address:

Chumash Council of Bakersfield
729 Texas Street
Bakersfield, CA 93307

We would appreciate your response within 30 days from receipt of this letter to request consultation, in writing, with the Judicial Council (PRC § 21080.3.1 (b)).

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California
455 Golden Gate Avenue, San Francisco, CA 94102-3688
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

Bobic-T, Kim

From: Microsoft Outlook <MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@jud.ca.gov>
To: chumashtribe@sbcglobal.net
Sent: Wednesday, July 24, 2024 12:15 PM
Subject: Undeliverable: New San Luis Obispo Courthouse Project; Invitation to Consult on Tribal Cultural Resources (AB 52)

alph762.prodigy.net rejected your message to the following email addresses:

chumashtribe@sbcglobal.net (chumashtribe@sbcglobal.net)
There's a problem with the recipient's mailbox. Please try resending your message. If the problem continues, please contact your email admin.

alph762.prodigy.net gave this error:
<chumashtribe@sbcglobal.net>... Addressee unknown, relay=[40.107.91.54]

Diagnostic information for administrators:

Generating server: BLAPR09MB7234.namprd09.prod.outlook.com

chumashtribe@sbcglobal.net
alph762.prodigy.net
Remote server returned '550 5.2.1 <chumashtribe@sbcglobal.net>... Addressee unknown, relay=[40.107.91.54]'

Original message headers:


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IMwELTTUaWtsG9dnquYtdFnGA+0moiCiQRdMu9IjtIJQpAcHZh2RO3G4ENA==
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 s=arcselector10001;
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ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass
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 dkim=pass header.d=jud.ca.gov; arc=none
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=jud.ca.gov;
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 bh=qfScUjCKPaM1TiSR8MkASgPCS2QXsIOCunXV6ogONTo=;
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Judicial Council *of* California

455 Golden Gate Avenue · San Francisco, California 94102-3688
Telephone 415-865-4200 · Fax 415-865-4205

PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

July 24, 2024

VIA EMAIL AND CERTIFIED MAIL

Coastal Band of the Chumash Nation
c/o Gabe Frausto, Vice Chair
P.O. Box 40653
Santa Barbara, CA 93140

RE: Invitation to Consult on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County

Dear Vice Chair Frausto,

The Judicial Council of California ("Judicial Council") has decided to undertake the New San Luis Obispo Courthouse Project ("Project") in the city of San Luis Obispo, San Luis Obispo County, California and is hereby providing you with notice pursuant to the California Environmental Quality Act ("CEQA") and AB 52 (Gatto, 2014).

Below please find a description of the proposed Project and the name of our Project point of contact, pursuant to PRC § 21080.3.1 (d). We have also enclosed a Project Description for Tribal Consultation with maps locating the Project site. If you would like further information about the Project in order to assess whether to participate in consultation, please contact the Project Manager.

Project: New San Luis Obispo Courthouse Project
Project Site: Two legal parcels located south of State Route 101 in the City of San Luis Obispo, San Luis Obispo County
Parcel 1 bounded by Monterey Street to the south, Toro Street to the east, Monterey Palm Alley to the north and Santa Rosa Street to the west [APN: 002-326-021]
Parcel 2 bounded by Monterey Palm Alley to the south, Toro Street to the east, Palm Street to the north, and Santa Rosa Street to the west [APN: 002-326-012]
Lead Agency Point of Contact: Kim Bobic, Senior Project Manager, Judicial Council

We would appreciate receipt of your written request for consultation within 30 days from receipt of this letter (PRC § 21080.3.1 (b)).

Information related to this Project is available for review on the Judicial Council's website at: https://www.courts.ca.gov/48476.htm.

Respectfully,

Kim Bobic
Senior Project Manager
Judicial Council of California

Enclosures: Project Location and Description and Records Search Results
Figure 2-1. Regional Location Map
Figure 2-2. Project Location Map
Figure 2-3. Proposed Project Location
Figure 2-4. Conceptual Site Plan

Bobic-T, Kim

From: Bobic-T, Kim
Sent: Wednesday, July 24, 2024 12:12 PM
To: cbcn22vicechair@gmail.com
Subject: New San Luis Obispo Courthouse Project; Invitation to Consult on Tribal Cultural Resources (AB 52)
Attachments: AB 52 Ltr_Invitation to Consult_Frausto.pdf

Dear Vice Chair Frausto,

Please find the attached Invitation to Consultation on Tribal Cultural Resources (AB 52) for the Judicial Council of California's New San Luis Obispo Courthouse Project in the city of San Luis Obispo, San Luis Obispo County. A copy of this invitation was additionally mailed today to your attention at the following address:

Coastal Band of the Chumash Nation
P.O. Box 40653
Santa Barbara, CA 93140

We would appreciate your response within 30 days from receipt of this letter to request consultation, in writing, with the Judicial Council (PRC § 21080.3.1 (b)).

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California
455 Golden Gate Avenue, San Francisco, CA 94102-3688
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

Judicial Council *of* California

455 Golden Gate Avenue · San Francisco, California 94102-3688
Telephone 415-865-4200 · Fax 415-865-4205

PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

July 24, 2024

VIA EMAIL AND CERTIFIED MAIL

Coastal Band of the Chumash Nation
c/o Mia Lopez, Chairperson
P.O. Box 40653
Santa Barbara, CA 93140

RE: Invitation to Consult on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County

Dear Chairperson Lopez,

The Judicial Council of California ("Judicial Council") has decided to undertake the New San Luis Obispo Courthouse Project ("Project") in the city of San Luis Obispo, San Luis Obispo County, California and is hereby providing you with notice pursuant to the California Environmental Quality Act ("CEQA") and AB 52 (Gatto, 2014).

Below please find a description of the proposed Project and the name of our Project point of contact, pursuant to PRC § 21080.3.1 (d). We have also enclosed a Project Description for Tribal Consultation with maps locating the Project site. If you would like further information about the Project in order to assess whether to participate in consultation, please contact the Project Manager.

Project: New San Luis Obispo Courthouse Project
Project Site: Two legal parcels located south of State Route 101 in the City of San Luis Obispo, San Luis Obispo County
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Parcel 2 bounded by Monterey Palm Alley to the south, Toro Street to the east, Palm Street to the north, and Santa Rosa Street to the west [APN: 002-326-012]
Lead Agency Point of Contact: Kim Bobic, Senior Project Manager, Judicial Council

We would appreciate receipt of your written request for consultation within 30 days from receipt of this letter (PRC § 21080.3.1 (b)).

Information related to this Project is available for review on the Judicial Council's website at: https://www.courts.ca.gov/48476.htm.

Respectfully,

Kim Bobic
Senior Project Manager
Judicial Council of California

Enclosures: Project Location and Description and Records Search Results
Figure 2-1. Regional Location Map
Figure 2-2. Project Location Map
Figure 2-3. Proposed Project Location
Figure 2-4. Conceptual Site Plan

Bobic-T, Kim

From: Bobic-T, Kim
Sent: Wednesday, July 24, 2024 12:10 PM
To: cbcntribalchair@gmail.com
Subject: New San Luis Obispo Courthouse Project; Invitation to Consult on Tribal Cultural Resources (AB 52)
Attachments: AB 52 Ltr_Invitation to Consult_Lopez.pdf

Dear Chairperson Lopez,

Please find the attached Invitation to Consultation on Tribal Cultural Resources (AB 52) for the Judicial Council of California's New San Luis Obispo Courthouse Project in the city of San Luis Obispo, San Luis Obispo County. A copy of this invitation was additionally mailed today to your attention at the following address:

Coastal Band of the Chumash Nation
P.O. Box 40653
Santa Barbara, CA 93140

We would appreciate your response within 30 days from receipt of this letter to request consultation, in writing, with the Judicial Council (PRC § 21080.3.1 (b)).

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California
455 Golden Gate Avenue, San Francisco, CA 94102-3688
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

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PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

July 24, 2024

VIA EMAIL AND CERTIFIED MAIL

Northern Chumash Tribal Council
c/o Violet Walker, Chairperson
P.O. Box 6533
Los Osos, CA 93412

RE: Invitation to Consult on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County

Dear Chairperson Walker,

The Judicial Council of California ("Judicial Council") has decided to undertake the New San Luis Obispo Courthouse Project ("Project") in the city of San Luis Obispo, San Luis Obispo County, California and is hereby providing you with notice pursuant to the California Environmental Quality Act ("CEQA") and AB 52 (Gatto, 2014).

Below please find a description of the proposed Project and the name of our Project point of contact, pursuant to PRC § 21080.3.1 (d). We have also enclosed a Project Description for Tribal Consultation with maps locating the Project site. If you would like further information about the Project in order to assess whether to participate in consultation, please contact the Project Manager.

Project: New San Luis Obispo Courthouse Project
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Parcel 2 bounded by Monterey Palm Alley to the south, Toro Street to the east, Palm Street to the north, and Santa Rosa Street to the west [APN: 002-326-012]
Lead Agency Point of Contact: Kim Bobic, Senior Project Manager, Judicial Council

We would appreciate receipt of your written request for consultation within 30 days from receipt of this letter (PRC § 21080.3.1 (b)).

Information related to this Project is available for review on the Judicial Council's website at: https://www.courts.ca.gov/48476.htm.

Respectfully,

Kim Bobic
Senior Project Manager
Judicial Council of California

Enclosures: Project Location and Description and Records Search Results
Figure 2-1. Regional Location Map
Figure 2-2. Project Location Map
Figure 2-3. Proposed Project Location
Figure 2-4. Conceptual Site Plan

Bobic-T, Kim

From: Bobic-T, Kim
Sent: Wednesday, July 24, 2024 12:17 PM
To: violetsagewalker@gmail.com
Subject: New San Luis Obispo Courthouse Project; Invitation to Consult on Tribal Cultural Resources (AB 52)
Attachments: AB 52 Ltr_Invitation to Consult_Walker.pdf

Categories: Red Category

Dear Chairperson Walker,

Please find the attached Invitation to Consultation on Tribal Cultural Resources (AB 52) for the Judicial Council of California's New San Luis Obispo Courthouse Project in the city of San Luis Obispo, San Luis Obispo County. A copy of this invitation was additionally mailed today to your attention at the following address:

Northern Chumash Tribal Council
P.O. Box 6533
Los Osos, CA 93412

We would appreciate your response within 30 days from receipt of this letter to request consultation, in writing, with the Judicial Council (PRC § 21080.3.1 (b)).

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California
455 Golden Gate Avenue, San Francisco, CA 94102-3688
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

From: Ernest Houston <ernest@northernchumash.org>
Sent: Wednesday, July 31, 2024 8:43 AM
To: Bobic-T, Kim <Kim.Bobic-T@jud.ca.gov>
Cc: Violet Sage Walker <violet@northernchumash.org>
Subject: AB 52 Consultation: New San Luis Obispo Courthouse

Greetings Kim Bobic,

Thank you for contacting the Northern Chumash Tribal Council to notify us of the proposed new San Luis Obispo Courthouse project in San Luis Obispo. We wish to be engaged in consultation on this project. Please see our formal response in the attached document.

Respectfully,

Ernest R. Houston

Northern Chumash Tribal Council
Environmental Resource Specialist
Tribal Cultural Resource Monitor
ernest@northernchumash.org
For
Violet Sage Walker
Northern Chumash Tribal Council
Tribal Chairwoman
violet@northernchumash.org

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Northern Chumash Tribal Council
northernchumash.org chumashsanctuary.org
CHUMASH HERITAGE
National Marine Sanctuary

July 31, 2024

Kim Bobic
Senior Project Manager
Facilities Services/Administrative Division
Judicial Council of California

RE: Invitation to Consult on Tribal Cultural Resources (AB 52), New San Luis Obispo Courthouse Project

Greetings Kim Bobic,

Thank you for reaching out to the Northern Chumash Tribal Council (NCTC) to notify us of the proposed new San Luis Obispo Courthouse Project in San Luis Obispo. This project site is in the very heart of our culturally affiliated territory and we wish to be included in consultation during project planning, development, and construction. Given the known cultural sensitivity of this location we request the following:

1. Consultation with staff to discuss specific elements of project construction

2. Copies of documentation regarding archaeological sites within the surrounding ½ mile vicinity surrounding the project area

3. NCTC to be included in planning and decision-making

4. NCTC tribal cultural resource monitor on-site with archaeologist during all ground disturbing work to include demolition, excavation, grading, and trenching

I have personally monitored work sites in the area surrounding this proposed work site and have seen house floors exposed through a window cut in the sidewalk and in excavation at the edge of 100+ year-old highway 101 pavement, so I know that the presence of structures on the site does not preclude the presence of cultural features, artifacts, or sites resting at depth.

The Northern Chumash Tribal Council looks forward to working with you on this project to achieve mutually agreeable results while also protecting and preserving irreplaceable physical elements of our Chumash tribal heritage in this area.

Sincerely,

Ernest R. Houston
Northern Chumash Tribal Council
Environmental Resource Specialist
Tribal Cultural Resource Monitor
ernest@northernchumash.org
For
Violet Sage Walker
Northern Chumash Tribal Council
Tribal Chairwoman
violet@northernchumash.org

Judicial Council *of* California

455 Golden Gate Avenue · San Francisco, California 94102-3688
Telephone 415-865-4200 · Fax 415-865-4205

PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

August 08, 2024

VIA EMAIL AND CERTIFIED MAIL

Northern Chumash Tribal Council
c/o Violet Sage Walker, Tribal Chairwoman
Ernest R. Houston, Environmental Resource Specialist
P.O. Box 6533
Los Osos, CA 93412
ernest@northernchumash.org
violet@northernchumash.org

RE: Initiation of Consultation on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County
1144 Monterey Street and 969 Toro Street, city of San Luis Obispo

Dear Chairwoman Walker and Mr. Houston,

This correspondence serves as an initiation of consultation letter pursuant to the California Environmental Quality Act ("CEQA") and Assembly Bill 52 (Gatto, 2014) (hereafter "AB 52").

Below are some proposed dates and blocks of time that the Judicial Council is available for our first 2-hour consultation meeting. We would like to hold this first consultation remotely with participants attending online via Microsoft Teams. Refer to the attached proposed draft agenda for this initial meeting, which includes a discussion for the scheduling of a site visit for the project on a subsequent date.

Please let me know as soon as possible which date and time you prefer so we can schedule our first consultation. If these dates do not work for you, please provide alternatives.

Wednesday, August 14th:	8:00 am – 10:00 am
Friday, August 16th;	8:00 am – 10:00 am
Friday, August 30th:	8:00 am – 10:00 am

To prepare for consultation and pursuant to your request, please find enclosed a Cultural Screening Memo that was prepared for the Project site. Also enclosed, is documentation regarding archaeological sites within ¼-mile vicinity of the Project site as found during our consultant's record search. This memo and documentation is being provided to the Northern Chumash Tribal Council in the context of confidential

government to government consultation. Both documents and information provided is not for public distribution because it contains archaeological site records and potentially sensitive information. The Judicial Council looks forward to consulting with you to obtain and incorporate that information in compliance with CEQA and AB 52.

If you need additional information to prepare for consultation, please contact me by email or by phone at: kim.bobic-T@jud.ca.gov or (805) 249-0911.

We look forward to consultation with the Northern Chumash Tribal Council on this Project.

Respectfully,

Kim Bobic
Senior Project Manager
Facilities Services, Administrative Division
Judicial Council of California

Enclosures: 1) New San Luis Obispo Courthouse, Cultural Screening Memo, dated July 20, 2023
2) Archaeological Records Search Information *[By Certified Mail Only, due to file size]*
3) Proposed Draft Agenda for the Initial AB 52 Consultation Meeting

Bobic-T, Kim

From: Bobic-T, Kim
Sent: Thursday, August 8, 2024 2:30 PM
To: Ernest Houston; violetsagewalker@gmail.com
Subject: New San Luis Obispo Courthouse; Initiation of Consultation
Attachments: 2024-0808_AB 52 Tribal Consultation Initiation Letter-NCTC.pdf; Site 1_Cultural Screening Memo_072023.pdf; Initial Consultation Agenda_NCTC-DRAFT.pdf

Greetings Mr. Houston and Chairwoman Walker,

Please find attached the Judicial Council's initiation of consultation letter.

Included within and below are some proposed dates and blocks of time that the Judicial Council is available for our first 2-hour consultation meeting. As confirmed, the meeting will be attended remotely via MS Teams and I will send the Teams meeting upon being advised of the Northern Chumash Tribal Council's preferred date and time. Please let me know as soon as possible of the date you prefer, or if these dates do not work for you both, please provide some alternatives.

Wednesday, August 14th: 8:00 am – 10:00 am
Friday, August 16th: 8:00 am – 10:00 am
Friday, August 30th: 8:00 am – 10:00 am

I have additionally attached to this email the Cultural Screening Memo that was prepared for this project and a proposed draft agenda for our first consultation meeting. Let me know if you have any comments, revisions or additions to the Draft Agenda.

Documentation resulting from our record search is not attached to this email due to the size and number of documents. I have printed them for you and will be dropping an envelope in the mail this afternoon to your P.O. Box. Please check for the envelope early in the week as it should arrive quickly since I will be mailing it from the San Luis Obispo Madonna Road Post Office.

I look forward to hearing back from you and scheduling consultation with the Northern Chumash Tribal Council.

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

From: Ernest Houston <ernest@northernchumash.org>
Sent: Sunday, August 4, 2024 9:12 PM
To: Bobic-T, Kim <Kim.Bobic-T@jud.ca.gov>
Subject: Re: AB 52 Consultation: New San Luis Obispo Courthouse

Greetings Kim,

Thank you for your response.
Mornings tend to be best for meetings.
My schedule tends to change on an ongoing basis, but for now I'm available any day in August except 5, 8, 28.
Zoom or Teams will be fine.

I look forward to meeting you soon.

Ernest

On Wed, Jul 31, 2024 at 9:05 AM Bobic-T, Kim <Kim.Bobic-T@jud.ca.gov> wrote:

Greetings Mr. Houston,

Thank you for your response to our invitation to consult on this Project. We will reach out to you in the coming week to engage in consultation.

In anticipation of initiating consultation and scheduling, could you advise if there is a certain time of the day that would work best for a meeting? The first meeting will most likely be by MS Teams or Zoom if that is okay with you. Subsequent meetings, as needed, can be scheduled in person or at the proposed project site.

We will also assemble the documentation we have that you have requested and provide by email next week.

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

From: Ernest Houston <ernest@northernchumash.org>
Sent: Wednesday, July 31, 2024 8:43 AM
To: Bobic-T, Kim <Kim.Bobic-T@jud.ca.gov>
Cc: Violet Sage Walker <violet@northernchumash.org>
Subject: AB 52 Consultation: New San Luis Obispo Courthouse

Greetings Kim Bobic,

Thank you for contacting the Northern Chumash Tribal Council to notify us of the proposed new San Luis Obispo Courthouse project in San Luis Obispo. We wish to be engaged in consultation on this project. Please see our formal response in the attached document.

Respectfully,

Ernest R. Houston

Northern Chumash Tribal Council

Environmental Resource Specialist

Tribal Cultural Resource Monitor

ernest@northernchumash.org

For

Violet Sage Walker

Northern Chumash Tribal Council

Tribal Chairwoman

violet@northernchumash.org

NEW SAN LUIS OBISPO COURTHOUSE; AB 52

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Sent To: NORTHERN CHUMASH TRIBAL COUNCIL
Street and Apt. No., or PO Box No.: P.O. BOX 6533
City, State, ZIP+4®: LOS OSOS, CA. 93412

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Up to $100.00 included			
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9589 0710 5270 1953 3003 67			
Total			$14.10

Grand Total: $14.10

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PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

Northern Chumash Tribal Council AB 52 Consultation Initial Meeting
New San Luis Obispo Courthouse Project in San Luis Obispo County
1144 Monterey Street and 969 Toro Street, city of San Luis Obispo

Wednesday, August 14 – 8:00 am – 10:00 am *[2-hour meeting]*
Agenda

1. Introductions & Roles:
   - California Native American Tribe,
   - Judicial Council Internal Team, and
   - Judicial Council Consultants/Counsel
2. Purpose:
   Initial Consultation and background information exchange
3. Expectations:
   - Confidentiality of information
   - Consultation process expectations
   - Project timeline
4. Project Information:
   - Location of preferred project site and alternative site
   - Project and site information
   - Existing cultural resources screening memo and record search
   - Site visit
5. Tribal Cultural Resources (TCR):
   - Does the Tribe have information about TCR to provide at this time?
   - Does the Tribe have information to request from the JCC that will help identify potential TCR or TCR avoidance, preservation in place, or mitigation measures?
6. Next Steps:
   - Schedule next consultation or set standing meeting
   - Schedule site visit

From:	Ernest Houston
To:	Bobic-T, Kim
Cc:	Janis Offermann; jennifer.Chapelle@jud.ca.gov; rfrink@kmtg.com; Violet Sage Walker
Subject:	[External] - Initiation of Consultation for New San Luis Obispo Courthouse Project
Date:	Friday, August 16, 2024 7:33:59 PM
Attachments:	NCTC.Response.NewSLOCourthouse.2024.07.31.pdf

Greetings Kim and all,

Thank you for convening the meeting this morning to open consultation on the proposed San Luis Obispo Courthouse project. I appreciate the welcoming atmosphere of our meeting and the receptive attitude amongst you.

I will watch for future contact from you as the project progresses and will be glad to meet with you again.

Please see our full response in the attached document.

Respectfully,

Ernest R. Houston
Northern Chumash Tribal Council
Environmental Resource Specialist
Tribal Cultural Resource Monitor
ernest@northernchumash.org
For
Violet Sage Walker
Northern Chumash Tribal Council
Tribal Chairwoman
violet@northernchumash.org

Judicial Council *of* California

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Telephone 415-865-4200 · Fax 415-865-4205

PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

Northern Chumash Tribal Council (NCTC) AB 52 Consultation Meeting
New San Luis Obispo Courthouse Project in San Luis Obispo County
1144 Monterey Street and 969 Toro Street, city of San Luis Obispo

Wednesday, April 23, 2025; 10:00 am – 11:00 am *[1-hour meeting]*
Agenda

1. Introductions & Roles:

2. Project Update:

3. Initial Study/Mitigated Negative Declaration (IS/MND) – Cultural and Tribal Cultural Resources Sections:
    - Review of Sections and Mitigation Measures
    - NCTC Comment
    - Tribal Information to add to IS/MND

4. Next Steps
    - Finalize IS/MND and publish for Public Comment
    - Public Meeting
    - Develop Treatment Plan and Monitoring Plan

Judicial Council *of* California

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Telephone 415-865-4200 · Fax 415-865-4205

PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

July 24, 2024

VIA EMAIL AND CERTIFIED MAIL

Salinan Tribe of Monterey, San Luis Obispo Counties
c/o Patti Dunton, Tribal Administrator
7070 Morro Road, Suite A
Atascadero, CA 93422

RE: Invitation to Consult on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County

Dear Tribal Administrator Dunton,

The Judicial Council of California ("Judicial Council") has decided to undertake the New San Luis Obispo Courthouse Project ("Project") in the city of San Luis Obispo, San Luis Obispo County, California and is hereby providing you with notice pursuant to the California Environmental Quality Act ("CEQA") and AB 52 (Gatto, 2014).

Below please find a description of the proposed Project and the name of our Project point of contact, pursuant to PRC § 21080.3.1 (d). We have also enclosed a Project Description for Tribal Consultation with maps locating the Project site. If you would like further information about the Project in order to assess whether to participate in consultation, please contact the Project Manager.

Project: New San Luis Obispo Courthouse Project
Project Site: Two legal parcels located south of State Route 101 in the City of San Luis Obispo, San Luis Obispo County
Parcel 1 bounded by Monterey Street to the south, Toro Street to the east, Monterey Palm Alley to the north and Santa Rosa Street to the west [APN: 002-326-021]
Parcel 2 bounded by Monterey Palm Alley to the south, Toro Street to the east, Palm Street to the north, and Santa Rosa Street to the west [APN: 002-326-012]
Lead Agency Point of Contact: Kim Bobic, Senior Project Manager, Judicial Council

We would appreciate receipt of your written request for consultation within 30 days from receipt of this letter (PRC § 21080.3.1 (b)).

Information related to this Project is available for review on the Judicial Council's website at: https://www.courts.ca.gov/48476.htm.

Respectfully,

Kim Bobic
Senior Project Manager
Judicial Council of California

Enclosures: Project Location and Description and Records Search Results
Figure 2-1. Regional Location Map
Figure 2-2. Project Location Map
Figure 2-3. Proposed Project Location
Figure 2-4. Conceptual Site Plan

Bobic-T, Kim

From: Bobic-T, Kim
Sent: Wednesday, July 24, 2024 12:19 PM
To: info@salinantribe.com
Subject: New San Luis Obispo Courthouse Project; Invitation to Consult on Tribal Cultural Resources (AB 52)
Attachments: AB 52 Ltr_Invitation to Consult_Dunton.pdf

Dear Tribal Administrator Dunton,

Please find the attached Invitation to Consultation on Tribal Cultural Resources (AB 52) for the Judicial Council of California's New San Luis Obispo Courthouse Project in the city of San Luis Obispo, San Luis Obispo County. A copy of this invitation was additionally mailed today to your attention at the following address:

Salinan Tribe of Monterey, San Luis Obispo Counties
7070 Morro Road, Suite A
Atascadero, CA 93422

We would appreciate your response within 30 days from receipt of this letter to request consultation, in writing, with the Judicial Council (PRC § 21080.3.1 (b)).

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California
455 Golden Gate Avenue, San Francisco, CA 94102-3688
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

Bobic-T, Kim

From: info@salinantribe.com
Sent: Friday, August 23, 2024 12:48 PM
To: Bobic-T, Kim
Subject: Re: New San Luis Obispo courthouse project_Salinan Tribe Consultation Inquiry

Importance: High

Greetings Kim, yes we are requesting consultation on this project with the Judicial Council.

Xayatspanikan,
Patti Dunton, Administrator

On 2024-08-22 11:33, Bobic-T, Kim wrote:
> Greetings Tribal Administrator Dunton,
>
> Thank you for your email that identifies proposed mitigation measures
> be included in this Project, including monitoring during ground
> disturbing activities by a cultural resource specialist, but it is not
> clear from your email whether the Salinan Tribe is requesting
> consultation on this Project with the Judicial Council.
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> this Project.
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> 805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov
>
> -----Original Message-----
> From: info@salinantribe.com <info@salinantribe.com>
> Sent: Wednesday, August 21, 2024 2:55 PM
> To: Bobic-T, Kim <kim.bobic-T@jud.ca.gov>
> Subject: New San Luis Obispo courthouse project
>
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> the sacred and cultural sites near the project location we are
> requesting that mitigation measures for the project include, that all
> ground disturbing activities be monitored by a cultural resource
> specialist from our tribe.
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> Xayatspanikan,
> Patti Dunton, Administrator

Judicial Council *of* California

455 Golden Gate Avenue · San Francisco, California 94102-3688
Telephone 415-865-4200 · Fax 415-865-4205

PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

August 26, 2024

VIA EMAIL AND CERTIFIED MAIL

Salinan Tribe of Monterey, San Luis Obispo Counties
c/o Patti Dunton, Tribal Administrator
7070 Morro Road, Suite A
Atascadero, CA 93422
info@salinantribe.com

RE: Initiation of Consultation on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County
1144 Monterey Street and 969 Toro Street, city of San Luis Obispo

Dear Tribal Administrator Dunton,

This correspondence serves as an initiation of consultation letter pursuant to the California Environmental Quality Act ("CEQA") and Assembly Bill (AB) 52 (Gatto, 2014) (hereafter "AB 52").

Below are some proposed dates and blocks of time that the Judicial Council is available for our first 2-hour consultation meeting. We would like to hold this first consultation remotely with participants attending online via Teams. If meeting remotely does not work for the Salinan Tribe of Monterey, San Luis Obispo Counties, please let us know and we can alternatively accommodate your needs. We would also like to schedule a site visit for the project on a subsequent date.

Please let me know as soon as possible which date and time you prefer so we can schedule our first consultation. If these dates do not work for you, please provide alternatives.

Friday, August 30th;	8:00 am – 10:00 am
Tuesday, September 3rd:	3:00 pm – 5:00 pm
Thursday, September 5th:	11:00 am – 1:00 pm
Thursday, September 5th:	3:00 pm – 5:00 pm

To prepare for consultation, please find enclosed a Cultural Screening Memo that was prepared for the Project site. Also enclosed, is documentation regarding archaeological sites within ¼-mile vicinity of the Project site as found during our consultant's record search. This memo and documentation is being provided to the Salinan Tribe of Monterey, San Luis Obispo Counties in the context of confidential

government to government consultation. Both documents and information provided is not for public distribution because it contains archaeological site record and potentially sensitive information. The Judicial Council looks forward to consulting with you to obtain and incorporate that information in compliance with CEQA and AB 52.

If you need additional information to prepare for consultation, please contact me by email or by phone at: kim.bobic-T@jud.ca.gov or (805) 249-0911.

We look forward to consultation with the Salinan Tribe of Monterey, San Luis Obsipo Counties on this Project.

Respectfully,

Kim Bobic
Senior Project Manager
Facilities Services, Administrative Division
Judicial Council of California

Enclosures: 1) New San Luis Obispo Courthouse, Cultural Screening Memo, dated July 20, 2023
2) Archaeological Records Search Information *[By Certified Mail Only, due to file size]*
3) Proposed Draft Agenda for the Initial AB 52 Consultation Meeting

NEW SAN LUIS OBISPO COURTHOUSE; AB 52

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- ☐ Adult Signature Restricted Delivery $

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Total Postage and Fees $14.10

Sent To: Ms. Patti Dunton - Salinan Tribe

Street and Apt. No., or PO Box No.: 7070 Morro Rd, Ste A

City, State, ZIP+4®: Atascadero, CA. 93422

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Save this receipt as evidence of insurance. For information on filing an insurance claim go to https://www.usps.com/help/claims.htm or call 1-800-222-1811

Bobic-T, Kim

From: Bobic-T, Kim
Sent: Monday, August 26, 2024 2:42 PM
To: info@salinantribe.com
Subject: New San Luis Obispo courthouse project_Initiation of Consultation
Attachments: 2024-0826_AB 52 Tribal Consultation Initiation Letter.pdf; Site 1_Cultural Screening Memo_ 072023.pdf; Initial Consultation Agenda_DRAFT.pdf

Greetings Tribal Administrator Dutton,

Please find attached the Judicial Council's initiation of consultation letter.

Included within and below are some proposed dates and blocks of time that the Judicial Council is available for our first 2-hour consultation meeting. We would like to hold this first consultation remotely via MS Teams or zoom. If meeting remotely does not work for the tribe, please let us know and we can alternatively accommodate your needs. Upon confirmation of the meeting date and time I will send the meeting links. Please let me know as soon as possible of the date you prefer, or if these dates do not work for you both, please provide some alternatives; we can alternatively meet later in the day if that may be a better time for you, just let me know.

Friday, August 30th;	8:00 am – 10:00 am
Tuesday, September 3rd:	3:00 pm – 5:00 pm
Thursday, September 5th:	11:00 am – 1:00 pm
Thursday, September 5th:	3:00 pm – 5:00 pm

I have additionally attached to this email the Cultural Screening Memo that was prepared for this project and a proposed draft agenda for our first consultation meeting. Let me know if you have any comments, revisions or additions to the Draft Agenda.

Documentation resulting from our record search is not attached to this email due to the size and number of documents. I have printed them for you and will be dropping an envelope in the mail today to your address in Atascadero. I will be mailing it from the San Luis Obispo Madonna Road Post Office so you should receive it in a day or two.

I look forward to hearing back from you and scheduling consultation with the Salinan Tribe of Monterey, San Luis Obispo Counties.

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division Judicial Council of California
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

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From: info@salinantribe.com <info@salinantribe.com>
Sent: Friday, August 23, 2024 12:48 PM
To: Bobic-T, Kim <Kim.Bobic-T@jud.ca.gov>
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> To: Bobic-T, Kim <kim.bobic-T@jud.ca.gov>
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> specialist from our tribe.
>
> Xayatspanikan,
> Patti Dunton, Administrator

From: monitoring@salinantribe.com
To: Bobic-T, Kim; Info
Subject: Consultation, San Luis Courthouse Project
Date: Wednesday, August 28, 2024 2:51:07 PM

Greetings,

My name is Robert, and I am the Cultural Protection & Preservation Lead for the Salinan Tribe of Monterey & San Luis Obispo Counties. Our office administrator Patti Dunton asked me to respond to the consultation schedule request, and meet with the involved parties to evaluate this courthouse project.

As far as the listed dates for a consultation, in ranking order, the slot at 11:00 am to 1 p.m. on Thursday, September 5th fits best, followed by the 3 to 5 p.m slot on the same date, or the Tuesday Sept. 3rd slot at 3 pm if necessary. I am unavailable on August 30th.

I'll review the provided material and be ready for when we are able to meet. Thank you for your attention to all this, and I will be away from my computer out of phone service until Sept. 1.

Regards,
Robert Piatti
Salinan Tribe of Monterey & San Luis Obispo Counties Council Member
949-677-0549 (direct)
805-464-3650 (office)

Judicial Council *of* California

455 Golden Gate Avenue · San Francisco, California 94102-3688
Telephone 415-865-4200 · Fax 415-865-4205

PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

Salinan Tribe of Monterey, San Luis Obispo Counties AB 52 Consultation Initial Meeting
New San Luis Obispo Courthouse Project in San Luis Obispo County
1144 Monterey Street and 969 Toro Street, city of San Luis Obispo

September 5, 2024 – 11:00 am – 1:00 pm
Agenda

1. Introductions & Roles:
   - California Native American Tribe,
   - Judicial Council Internal Team, and
   - Judicial Council Consultants/Counsel
2. Purpose:
   Initial Consultation and background information exchange
3. Expectations:
   - Confidentiality of information
   - Consultation process expectations
   - Project timeline
4. Project Information:
   - Location of preferred project site and alternative site
   - Project and site information
   - Existing cultural resources screening memo and record search
   - Site visit
5. Tribal Cultural Resources (TCR):
   - Does the Tribe have information about TCR to provide at this time?
   - Does the Tribe have information to request from the JCC that will help identify potential TCR or TCR avoidance, preservation in place, or mitigation measures?
6. Next Steps:
   - Schedule next consultation or set standing meeting
   - Schedule site visit

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PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

Salinan Tribe of Monterey, San Luis Obispo Counties AB 52 Consultation Meeting
New San Luis Obispo Courthouse Project in San Luis Obispo County
1144 Monterey Street and 969 Toro Street, city of San Luis Obispo

Friday, April 25, 2025; 10:00 am – 11:00 am *[1-hour meeting]*
Agenda

1. Introductions & Roles:

2. Project Update:

3. Initial Study/Mitigated Negative Declaration (IS/MND) – Cultural and Tribal Cultural Resources Sections:
    - Review of Sections and Mitigation Measures
    - Salinan Comment
    - Tribal Information to add to IS/MND

4. Next Steps
    - Finalize IS/MND and publish for Public Comment
    - Public Meeting
    - Develop Treatment Plan and Monitoring Plan

Salinan Tribe of Monterey and San Luis Obispo Counties'
And Salinan Heritage Preservation Association
8270 Morro Road, Atascadero Ca 93422,
805-464-2650, Fax 805-464-2651, info@salinantribe.com

April 30, 2025

Kim Bobic, Senior Project Manager
Facilities Services
Judicial Council of California
455 Golden Gate Avenue
San Franciso, CA 94102-3688

Subject: Additions to the CEQA documents concerning the Salinan People of the San Luis Obispo area.

ETHNOGRAPHY

The City of San Luis Obispo is located within the area occupied by the Playano Salinan people. The Playano Salinan people are the most coastal and southern of the Salinan Native Americans. The Salinan People occupied the area from the Santa Maria River in the south and along the coast north to the Big Creek area and East to the Temblor Range. (Henshaw 1880 & ET CETERA Atascadero News 1978 & Lorna Billat and Sean Thal 2009).

POST-CONTACT HISTORY

The earliest documented interaction between Europeans was in 1595 with the expedition of Sebastian Rodriquez Cermeno. When they were met by Natives in tule balsa boats, which is the type of water craft used by the Salinan People. This meeting was told to the missionaries at San Antonio in 1773 by a Native of Isaly. Agata was 100 when she told the story of what her great grandfather told her of people that came this land on the wings of a large bird. She was born in 1673 and was from the Salinan village of Islay in San Luis Obispo. The word Islay is derived from the Salinan word slay (pronounced "sly") meaning wild cherry (Prunusilicifolia), sometimes called chock cherry. (Gleen Farris 1992 and Susan Lewis Dickerson and Betty Brusa and Loraine Escobar).

The Spanish Missions San Antonio and San Luis Obispo were built to evangelize Salinans and N. Chumash. (Andera Hobbs and Milene Radford).

After Mexico won independence from Spain in 1821, the California missions were controlled by the Mexican government. The mission lands were divided up into Ranchos and some Salinan families were able to get control of them. One such case is when in 1841 Rancho Correl De Piedra in San Luis Obispo. And later in 1867

Correl De Piedra in San Luis Obispo. Many of these Salinan descendants are buried at the Old Mission Catholic church cemetery in San Luis Obispo. (John Parker and S.W. Foreman and SLO cemetery records and Lorraine Escobar).

Many other Salinan Families continued to be baptized and confirmed and buried at Mission San Luis Obispo. One such family was the Bylon family living at the Salinan Toro Creek Reservation (Rancho Moro Y Cayucos). Which they acquired in 1861. (SLO Mission Records and Office of the Secretary of State, California State Archives and State of California- the Resources Agency Department of Parks and Merriam and SLO Daily Telegram and Lorraine Escobar).

Tis is just a small example of Salinan occupation in San Luis Obispo Ca.

Xayatspanikan (thank you),

Patti Dunton, Administrator

REFERENCES SITED:

Henshaw, H. H.

1880 Vocabulary Collected at San Miguel & San Antonio. Page 228.

Harrington, JP

1912 JP Harrington Microfilm, Reel 084, frame 0003.

Billat, Loran and Thal, Seal

2009 an Archaeological Assessment of Proposed Metro PCS Project: camp SLO/SF-90390B Personal Communications Service Facility at Camp San Luis Obispo Military Base near San Luis Obispo, in unincorporated San Luis Obispo County, California. Prepared for Metro PCS California, LLC, 1080 Marina Village Parkway, Alameda CA 94501. Submitted by EarthTouch, Inc. 10757 Edgewood Ct., Rancho Cucamonga, CA 91730. June 26, 2009.

Farris, Gleen

1992 PROTO-HISTORIC AND MISSION RESEARCH ON MORRO BAY. BY Glenn Farris, Associate Archeologist, July 1992.

Dickerson, Susan Lewis

1990 Mountains of Fire, San Luis Obispo County's Nine Sisters, A chain of Ancient Volcanic Peaks, By Sharon Lewis Dickerson, page 77.

Brusa Betty War

1975 Salinan Indians of California and their Neighbors, by Betty War Brusa, Page 49.

Escobar, Loraine

2008 Genealogical Evidence for the Salinan Tribe of Monterey and San Luis Obispo Counties. By Lorraine Escobar, CLS/NAL. Pages 15, 16 & 17. SAP-B #82 (16 May 1773)

Hobbs, Andrea H. and Radford, Milene f.

2007 Images of America, Paso Robles. By Andrea Hobbs and Milene Radford, 2007. Page 7.

Parker, John

2008 Archaeological Investigation of the Proposed 80-acre Expansion of the Cold Canyon Land Fill. By John Parker. July 26, 2006. Page 4.

Foreman, S. W.

1867 Plat of the RANCHO SAN GERONIMO finally confirmed to Rafael Villavicencio, surveyed under instruction from the U.S. Surveyor General by S. W. Foreman Dep. Surv. September 1867. Containing 8,893 35/100 acres.

1830 Page #39 Old mission Catholic Cemetery San Luis Obispo California, Center Old Section, Non-Perpetual Care.

Escobar, Lorraine

2008 Genealogical Evidence for the Salinan Tribe of Monterey and San Luis Obispo Counties. By Lorraine Escobar, CLSNAL. Pages 32-47.

1858-1869 San Luis Obispo Mission Records # 6032, #4041, #2809, #6051.

1978 Office of the Secretary of the State, California State Archives. June 9, 1978.

Merriam

1929 Merriam Papers newspaper clipping 1929.

Dec. 9, 1929 SLO Daily telegram.

Escobar, Lorraine

2008 Genealogical Evidence for the Salinan Tribe of Monterey and San Luis Obispo Counties. By Lorraine Escobar, CLS/NAL.48-54.

Judicial Council *of* California

455 Golden Gate Avenue · San Francisco, California 94102-3688
Telephone 415-865-4200 · Fax 415-865-4205

PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

July 24, 2024

VIA EMAIL AND CERTIFIED MAIL

San Luis Obispo County Chumash Council
1030 Ritchie Road
Grover Beach, CA 93433

RE: Invitation to Consult on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County

Dear San Luis Obispo County Chumash Council,

The Judicial Council of California ("Judicial Council") has decided to undertake the New San Luis Obispo Courthouse Project ("Project") in the city of San Luis Obispo, San Luis Obispo County, California and is hereby providing you with notice pursuant to the California Environmental Quality Act ("CEQA") and AB 52 (Gatto, 2014).

Below please find a description of the proposed Project and the name of our Project point of contact, pursuant to PRC § 21080.3.1 (d). We have also enclosed a Project Description for Tribal Consultation with maps locating the Project site. If you would like further information about the Project in order to assess whether to participate in consultation, please contact the Project Manager.

Project: New San Luis Obispo Courthouse Project
Project Site: Two legal parcels located south of State Route 101 in the City of San Luis Obispo, San Luis Obispo County
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Lead Agency Point of Contact: Kim Bobic, Senior Project Manager, Judicial Council

We would appreciate receipt of your written request for consultation within 30 days from receipt of this letter (PRC § 21080.3.1 (b)).

Information related to this Project is available for review on the Judicial Council's website at: https://www.courts.ca.gov/48476.htm.

Respectfully,

Kim Bobic
Senior Project Manager
Judicial Council of California

Enclosures: Project Location and Description and Records Search Results
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PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

July 24, 2024

VIA EMAIL AND CERTIFIED MAIL

Santa Ynez Band of Chumash Indians
c/o Kenneth Kahn, Chairperson
P.O. Box 517
Santa Ynez, CA 93460

RE: Invitation to Consult on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County

Dear Chairperson Kahn,

The Judicial Council of California ("Judicial Council") has decided to undertake the New San Luis Obispo Courthouse Project ("Project") in the city of San Luis Obispo, San Luis Obispo County, California and is hereby providing you with notice pursuant to the California Environmental Quality Act ("CEQA") and AB 52 (Gatto, 2014).

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Senior Project Manager
Judicial Council of California

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Bobic-T, Kim

From: Bobic-T, Kim
Sent: Wednesday, July 24, 2024 12:21 PM
To: Chairman@chumash.gov
Subject: New San Luis Obispo Courthouse Project; Invitation to Consult on Tribal Cultural Resources (AB 52)
Attachments: AB 52 Ltr_Invitation to Consult_Kahn.pdf

Dear Chairperson Kahn,

Please find the attached Invitation to Consultation on Tribal Cultural Resources (AB 52) for the Judicial Council of California's New San Luis Obispo Courthouse Project in the city of San Luis Obispo, San Luis Obispo County. A copy of this invitation was additionally mailed today to your attention at the following address:

Santa Ynez Band of Chumash Indians
P.O. Box 517
Santa Ynez, CA 93460

We would appreciate your response within 30 days from receipt of this letter to request consultation, in writing, with the Judicial Council (PRC § 21080.3.1 (b)).

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California
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805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

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PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

July 24, 2024

VIA EMAIL AND CERTIFIED MAIL

Tule River Indian Tribe
c/o Neil Peyron, Chairperson
P.O. Box 589
Porterville, CA 93258

RE: Invitation to Consult on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County

Dear Chairperson Peyron,

The Judicial Council of California ("Judicial Council") has decided to undertake the New San Luis Obispo Courthouse Project ("Project") in the city of San Luis Obispo, San Luis Obispo County, California and is hereby providing you with notice pursuant to the California Environmental Quality Act ("CEQA") and AB 52 (Gatto, 2014).

Below please find a description of the proposed Project and the name of our Project point of contact, pursuant to PRC § 21080.3.1 (d). We have also enclosed a Project Description for Tribal Consultation with maps locating the Project site. If you would like further information about the Project in order to assess whether to participate in consultation, please contact the Project Manager.

Project: New San Luis Obispo Courthouse Project
Project Site: Two legal parcels located south of State Route 101 in the City of San Luis Obispo, San Luis Obispo County
Parcel 1 bounded by Monterey Street to the south, Toro Street to the east, Monterey Palm Alley to the north and Santa Rosa Street to the west [APN: 002-326-021]
Parcel 2 bounded by Monterey Palm Alley to the south, Toro Street to the east, Palm Street to the north, and Santa Rosa Street to the west [APN: 002-326-012]
Lead Agency Point of Contact: Kim Bobic, Senior Project Manager, Judicial Council

We would appreciate receipt of your written request for consultation within 30 days from receipt of this letter (PRC § 21080.3.1 (b)).

Information related to this Project is available for review on the Judicial Council's website at: https://www.courts.ca.gov/48476.htm.

Respectfully,

Kim Bobic
Senior Project Manager
Judicial Council of California

Enclosures: Project Location and Description and Records Search Results
Figure 2-1. Regional Location Map
Figure 2-2. Project Location Map
Figure 2-3. Proposed Project Location
Figure 2-4. Conceptual Site Plan

Bobic-T, Kim

From: Bobic-T, Kim
Sent: Wednesday, July 24, 2024 12:23 PM
To: neil.peyron@tulerivertribe-nsn.gov
Subject: New San Luis Obispo Courthouse Project; Invitation to Consult on Tribal Cultural Resources (AB 52)
Attachments: AB 52 Ltr_Invitation to Consult_Peyron.pdf

Dear Chairperson Peyron,

Please find the attached Invitation to Consultation on Tribal Cultural Resources (AB 52) for the Judicial Council of California's New San Luis Obispo Courthouse Project in the city of San Luis Obispo, San Luis Obispo County. A copy of this invitation was additionally mailed today to your attention at the following address:

Tule River Indian Tribe
P.O. Box 589
Porterville, CA 93258

We would appreciate your response within 30 days from receipt of this letter to request consultation, in writing, with the Judicial Council (PRC § 21080.3.1 (b)).

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California
455 Golden Gate Avenue, San Francisco, CA 94102-3688
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

Judicial Council *of* California

455 Golden Gate Avenue · San Francisco, California 94102-3688
Telephone 415-865-4200 · Fax 415-865-4205

PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

July 24, 2024

VIA EMAIL AND CERTIFIED MAIL

yak tityu tityu yak tiłhini – Northern Chumash Tribe
c/o Mona Tucker, Chairperson
660 Camino Del Rey
Arroyo Grande, CA 93420

RE: Invitation to Consult on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County

Dear Chairperson Tucker,

The Judicial Council of California ("Judicial Council") has decided to undertake the New San Luis Obispo Courthouse Project ("Project") in the city of San Luis Obispo, San Luis Obispo County, California and is hereby providing you with notice pursuant to the California Environmental Quality Act ("CEQA") and AB 52 (Gatto, 2014).

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Senior Project Manager
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Bobic-T, Kim

From: Bobic-T, Kim
Sent: Wednesday, July 24, 2024 12:27 PM
To: olivas.mona@gmail.com
Subject: New San Luis Obispo Courthouse Project; Invitation to Consult on Tribal Cultural Resources (AB 52)
Attachments: AB 52 Ltr_Invitation to Consult_Tucker.pdf

Dear Chairperson Tucker,

Please find the attached Invitation to Consultation on Tribal Cultural Resources (AB 52) for the Judicial Council of California's New San Luis Obispo Courthouse Project in the city of San Luis Obispo, San Luis Obispo County. A copy of this invitation was additionally mailed today to your attention at the following address:

yak tityu tityu yak tiłhini – Northern Chumash Tribe
660 Camino Del Rey
Arroyo Grande, CA 93420

We would appreciate your response within 30 days from receipt of this letter to request consultation, in writing, with the Judicial Council (PRC § 21080.3.1 (b)).

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California
455 Golden Gate Avenue, San Francisco, CA 94102-3688
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

Bobic-T, Kim

From: Mona Tucker <olivas.mona@gmail.com>
Sent: Sunday, August 4, 2024 1:15 PM
To: Bobic-T, Kim
Cc: Lorie Laguna; Lisa Lathrop; Haylee Bautista; Kelsey Shaffer; Willow Olivas; Joseph Lathrop
Subject: Re: New San Luis Obispo Courthouse Project; Invitation to Consult on Tribal Cultural Resources (AB 52)
Attachments: AB 52 Ltr_Invitation to Consult_Tucker new county courthouse.pdf

August 4, 2024

Hello Ms. Kim Bobic:

Re: New San Luis Obispo Courthouse Project in San Luis Obispo County

Thank you for reaching out to our Tribe on this important proposed project that is located in the heart of our ancestral homeland. We are requesting consultation on a government-to-government basis.

Our families are the documented ancestral people of San Luis Obispo. We have the deepest and longest history of the region and this history has endured for thousands of years. Our families built the SLO mission several times, including the extensive aqueduct that channeled waters from Stenner and San Luis Creeks into a cistern for watering crops and orchards for the mission grounds. We lived here before, during and after the missions. Our people were named "Obispeño Chumash" or “Northern Chumash” by anthropologists, but to other tribes we were known as yak tityu tityu yak tiłhini.

Careful consideration and consultation is needed to protect our culture, cultural materials and our ancestors' remains.

Thank you,

Mona Olivas Tucker, Chair
yak tityu tityu yak tiłhini Northern Chumash Tribe
San Luis Obispo County and Region
yttnorthernchumashtribe.com/

On Wed, Jul 24, 2024 at 12:27 PM Bobic-T, Kim <Kim.Bobic-T@jud.ca.gov> wrote:

> Dear Chairperson Tucker,
>
> Please find the attached Invitation to Consultation on Tribal Cultural Resources (AB 52) for the Judicial Council of California’s New San Luis Obispo Courthouse Project in the city of San Luis Obispo, San Luis Obispo County. A copy of this invitation was additionally mailed today to your attention at the following address:
>
> yak tityu tityu yak tiłhini – Northern Chumash Tribe
>
> 660 Camino Del Rey
>
> Arroyo Grande, CA 93420

We would appreciate your response within 30 days from receipt of this letter to request consultation, in writing, with the Judicial Council (PRC § 21080.3.1 (b)).

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California

455 Golden Gate Avenue, San Francisco, CA 94102-3688
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

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PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

August 12, 2024

VIA EMAIL AND CERTIFIED MAIL

Yak titᵸu titᵸu yak tiɬhini Northern Chumash Tribe
c/o Mona Olivas Tucker, Chairwoman
660 Camino Del Rey
Arroyo Grande, CA 93420
olivas.mona@gmail.com

RE: Initiation of Consultation on Tribal Cultural Resources (AB 52 Consultation)
New San Luis Obispo Courthouse Project in San Luis Obispo County
1144 Monterey Street and 969 Toro Street, city of San Luis Obispo

Dear Chairwoman Tucker,

This correspondence serves as an initiation of consultation letter pursuant to the California Environmental Quality Act ("CEQA") and Assembly Bill (AB) 52 (Gatto, 2014) (hereafter "AB 52").

Below are some proposed dates and blocks of time that the Judicial Council is available for our first 2-hour consultation meeting. We would like to hold this first consultation remotely with participants attending online via Microsoft Teams. If meeting remotely does not work for the Yak titᵸu titᵸu yak tiɬhini Northern Chumash Tribe, please let us know and we can alternatively accommodate your needs. We would also like to schedule a site visit for the project on a subsequent date.

Please let me know as soon as possible which date and time you prefer so we can schedule our first consultation. If these dates do not work for you, please provide alternatives.

Friday, August 16th;	8:00 am – 10:00 am
Thursday, August 29th:	3:00 pm – 5:00 pm
Friday, August 30th:	8:00 am – 10:00 am

To prepare for consultation, please find enclosed a Cultural Screening Memo that was prepared for the Project site. Also enclosed, is documentation regarding archaeological sites within ¼-mile vicinity of the Project site as found during our consultant's record search. This memo and documentation is being provided to the Yak titᵸu titᵸu yak tiɬhini Northern Chumash Tribe in the context of confidential government to government consultation. Both documents and information provided is not for public

distribution because it contains archaeological site record and potentially sensitive information. The Judicial Council looks forward to consulting with you to obtain and incorporate that information in compliance with CEQA and AB 52.

If you need additional information to prepare for consultation, please contact me by email or by phone at: kim.bobic-T@jud.ca.gov or (805) 249-0911.

We look forward to consultation with the Yak titᵸu titᵸu yak tiɬhini Northern Chumash Tribe on this Project.

Respectfully,

Kim Bobic
Senior Project Manager
Facilities Services, Administrative Division
Judicial Council of California

Enclosures: 1) New San Luis Obispo Courthouse, Cultural Screening Memo, dated July 20, 2023
2) Archaeological Records Search Information *[By Certified Mail Only, due to file size]*
3) Proposed Draft Agenda for the Initial AB 52 Consultation Meeting

Per 08/30/2024 Email request of Tribal Chairwoman Mona Tucker, the following individuals have been provided a copy of this letter and attachments:

Cc: Ms. Lorie Laguna, Tribal Council
Ms. Lisa Lathrop, Cultural Resources Specialist
Ms. Haylee Bautista, Cultural Resources Specialist
Ms. Kelsey Shaffer, Cultural Resources Specialist

Bobic-T, Kim

From: Bobic-T, Kim
Sent: Monday, August 12, 2024 10:28 AM
To: Mona Tucker
Cc: Lorie Laguna; Lisa Lathrop; Haylee Bautista; Kelsey Shaffer; Willow Olivas; Joseph Lathrop
Subject: New San Luis Obispo Courthouse Project; Initiation of Consultation
Attachments: 2024-0812_AB 52 Tribal Consultation Initiation Letter.pdf; Initial Consultation Agenda-DRAFT.pdf; Site 1_Cultural Screening Memo_072023.pdf

Greetings Chairwoman Tucker,

Please find attached the Judicial Council's initiation of consultation letter.

Included within and below are some proposed dates and blocks of time that the Judicial Council is available for our first 2-hour consultation meeting. We would like to hold this first consultation remotely via MS Teams or zoom. If meeting remotely does not work for the tribe, please let us know and we can alternatively accommodate your needs. Upon confirmation of the meeting date and time I will send the meeting links. Please let me know as soon as possible of the date you prefer, or if these dates do not work for you both, please provide some alternatives; we can alternatively meet later in the day if that may be a better time for you, just let me know.

Friday, August 16th: 8:00 am – 10:00 am
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Friday, August 30th: 8:00 am – 10:00 am

I have additionally attached to this email the Cultural Screening Memo that was prepared for this project and a proposed draft agenda for our first consultation meeting. Let me know if you have any comments, revisions or additions to the Draft Agenda.

Documentation resulting from our record search is not attached to this email due to the size and number of documents. I have printed them for you and will be dropping an envelope in the mail today to your address in Arroyo Grande. I will be mailing it from the San Luis Obispo Madonna Road Post Office so you should receive it in a day or two.

I look forward to hearing back from you and scheduling consultation with the Northern Chumash Tribal Council.

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

From: Bobic-T, Kim <Kim.Bobic-T@jud.ca.gov>
Sent: Monday, August 5, 2024 8:43 AM
To: Mona Tucker <olivas.mona@gmail.com>
Cc: Lorie Laguna <jayzeelynn@hotmail.com>; Lisa Lathrop <llathrop805@gmail.com>; Haylee Bautista <hmbautista3@gmail.com>; Kelsey Shaffer <KelseyShaffer805@gmail.com>; Willow Olivas <willowolivas@gmail.com>; Joseph Lathrop <jerry_white8@protonmail.com>
Subject: RE: New San Luis Obispo Courthouse Project; Invitation to Consult on Tribal Cultural Resources (AB 52)

Good morning Chairperson Tucker,

Thank you for your response and request to consult on this project. We will reach out to you in the coming week to engage in consultation.

In anticipation of initiating consultation and scheduling, could you advise if there is a certain time of the day that would work best for a meeting or conflicting dates that you may not be available in the coming month? The first meeting will most likely be by MS Teams or Zoom if that is okay with you. Subsequent meetings, as needed, can be scheduled similarly by computer, in person or at the proposed project site as appropriate.

Respectfully,

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Facilities Services | Administrative Division
Judicial Council of California
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

From: Mona Tucker <olivas.mona@gmail.com>
Sent: Sunday, August 4, 2024 1:15 PM
To: Bobic-T, Kim <Kim.Bobic-T@jud.ca.gov>
Cc: Lorie Laguna <jayzeelynn@hotmail.com>; Lisa Lathrop <llathrop805@gmail.com>; Haylee Bautista <hmbautista3@gmail.com>; Kelsey Shaffer <KelseyShaffer805@gmail.com>; Willow Olivas <willowolivas@gmail.com>; Joseph Lathrop <jerry_white8@protonmail.com>
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August 4, 2024

Hello Ms. Kim Bobic:

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Careful consideration and consultation is needed to protect our culture, cultural materials and our ancestors' remains.

Thank you,

Mona Olivas Tucker, Chair
yak tityu tityu yak tiłhini Northern Chumash Tribe
San Luis Obispo County and Region
yttnorthernchumashtribe.com/

On Wed, Jul 24, 2024 at 12:27 PM Bobic-T, Kim <Kim.Bobic-T@jud.ca.gov> wrote:

> Dear Chairperson Tucker,
>
> Please find the attached Invitation to Consultation on Tribal Cultural Resources (AB 52) for the Judicial Council of California’s New San Luis Obispo Courthouse Project in the city of San Luis Obispo, San Luis Obispo County. A copy of this invitation was additionally mailed today to your attention at the following address:

yak tityu tityu yak tiłhini – Northern Chumash Tribe

660 Camino Del Rey

Arroyo Grande, CA 93420

We would appreciate your response within 30 days from receipt of this letter to request consultation, in writing, with the Judicial Council (PRC § 21080.3.1 (b)).

Respectfully,

Kim Bobic, Senior Project Manager
Facilities Services | Administrative Division
Judicial Council of California

455 Golden Gate Avenue, San Francisco, CA 94102-3688
805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

NEW SAN LUIS OBISPO COURTHOUSE; AB 52

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☐ Adult Signature Restricted Delivery	$
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AUG 10 2024

Sent To: Ms. MONA TUCKER, NORTHERN CHUMASH TRIBE
Street and Apt. No., or PO Box No.: 660 CAMINO DEL REY
City, State, ZIP+4®: ARROYO GRANDE, CA. 93420

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Up to $100.00 included			
Certified Mail®			$4.85
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9589 0710 5270 1953 3005 89			
Total			$14.10

Grand Total: $14.10

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Transaction #: 986
AID: A0000000031010 Chip
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PIN: Not Required

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Text your tracking number to 28777 (2USPS) to get the latest status. Standard Message and Data rates may apply. You may also visit www.usps.com USPS Tracking or call 1-800-222-1811.

Save this receipt as evidence of insurance. For information on filing an insurance claim go to https://www.usps.com/help/claims.htm or call 1-800-222-1811

Bobic-T, Kim

From: Bobic-T, Kim
Sent: Friday, August 16, 2024 1:13 PM
To: Mona Tucker
Cc: Lorie Laguna; Lisa Lathrop; Haylee Bautista; Kelsey Shaffer; Willow Olivas; Joseph Lathrop
Subject: New San Luis Obispo Courthouse Project; Initiation of Consultation
Attachments: 2024-0812_AB 52 Tribal Consultation Initiation Letter.pdf; Initial Consultation Agenda-DRAFT.pdf; Site 1_Cultural Screening Memo_072023.pdf

Hello Chairwoman Tucker,

I hope that you had a good week and that you received the attached with the additional record search documents that I mailed to the following address:

yak titʸu titʸu yak tiłhini – Northern Chumash Tribe
660 Camino Del Rey
Arroyo Grande, CA 93420

We would like to follow up to determine if you and appropriate representatives from the tribe could be available for an initial consultation meeting at either of the dates and times listed below? The meeting can be virtual by MS Teams or Zoom if either of those could work for you or if a virtual meeting does not work, it is possible that we could meet at my office in San Luis Obispo and I could remote my colleagues into the meeting. Please let us know of your availability below or let us know of an alternative date and time that may work better for you.

Thursday, August 29th: 3:00 pm – 5:00 pm
Friday, August 30th: 8:00 am – 10:00 am

I look forward to hearing back from you and scheduling consultation with the yak titʸu titʸu yak tiłhini, Northern Chumash Tribe.

Respectfully,

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Facilities Services | Administrative Division
Judicial Council of California
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August 4, 2024

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Careful consideration and consultation is needed to protect our culture, cultural materials and our ancestors' remains.

Thank you,

Mona Olivas Tucker, Chair
yak tityu tityu yak tiłhini Northern Chumash Tribe
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yttnorthernchumashtribe.com/

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> Respectfully,
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> **Kim Bobic**, Senior Project Manager
> Facilities Services | Administrative Division
> Judicial Council of California

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805-249-0911 C | Kim.Bobic-T@jud.ca.gov | www.courts.ca.gov

Judicial Council *of* California

455 Golden Gate Avenue · San Francisco, California 94102-3688
Telephone 415-865-4200 · Fax 415-865-4205

PATRICIA GUERRERO
Chief Justice of California
Chair of the Judicial Council

MS. SHELLEY CURRAN
Administrative Director

Yak titʸu titʸu yak tiłhini Northern Chumash Tribe AB 52 Consultation Initial Meeting
New San Luis Obispo Courthouse Project in San Luis Obispo County
1144 Monterey Street and 969 Toro Street, city of San Luis Obispo

Thursday, August 29, 2024 – 3:00 pm – 4:30 pm *[1 to 1 ½ hour meeting]*
Agenda

1. Introductions & Roles:
   - California Native American Tribe,
   - Judicial Council Internal Team, and
   - Judicial Council Consultants/Counsel
2. Purpose:
   Initial Consultation and background information exchange
3. Expectations:
   - Confidentiality of information
   - Consultation process expectations
   - Project timeline
4. Project Information:
   - Location of preferred project site and alternative site
   - Project and site information
   - Existing cultural resources screening memo and record search
   - Site visit
5. Tribal Cultural Resources (TCR):
   - Does the Tribe have information about TCR to provide at this time?
   - Does the Tribe have information to request from the JCC that will help identify potential TCR or TCR avoidance, preservation in place, or mitigation measures?
6. Next Steps:
   - Schedule next consultation or set standing meeting
   - Schedule site visit

Bobic-T, Kim

From: Mona Tucker <olivas.mona@gmail.com>
Sent: Friday, May 9, 2025 2:52 PM
To: Bobic-T, Kim
Cc: Lorie Laguna; Lisa Lathrop; Haylee Bautista; Kelsey Shaffer; Willow Olivas; Joseph Lathrop
Subject: ytt Tribe comments to New SLO Courthouse Project's IS/MND

Follow Up Flag: Follow up
Flag Status: Flagged

EXTERNAL EMAIL

May 9, 2025

Kim Bobic, Senior Project Manager

Facilities Services

Judicial Council of California

Re: Judicial Council of California's New San Luis Obispo Courthouse Project. 1144 Monterey Street and 969 Toro Street, City of San Luis Obispo.

Dear Ms. Bobic:

Please see our comments on Cultural Resources and Tribal Cultural Resources Chapters of the Project's IS?MND

1. We see that we are referred to as "Northern, or Obispeño Chumash." These names are commonly used, and "Northern Chumash" is part of our Tribe's name. However, we prefer to include the word *tiłhini*, which is the correct name for the people of the San Luis Obispo region. It was linguists, ethnographers, and anthropologists who incorrectly renamed a vast area of coastal California as "Chumash." While we accept this term due to its widespread recognition, we request that you add the word "*tiłhini*" so in the documents it would read, tiłhini, Northern Chumash, or Obispeño Chumash."

Page 3-54 — Section 3-5: Cultural Resources

2. It is incorrect to assume that the potential for cultural or archaeological discoveries in any area within the City of San Luis Obispo is low.

3. The comment that "Consequently, any archaeological deposit at the project location would likely have been destroyed by the development of the existing structures" is misleading. While burials and significant features may no longer be fully intact, human remains, partially intact burials, and partial features may still exist. As my sister Lei Lynn Odom said, "Our grandmother's burial was disturbed, but she's still here."

We hope that no human remains are found at this site, but all participants should understand that they may still be present. And, the possibility of finding intact burials cannot be dismissed. I have personally seen an intact burial that survived beneath a parking lot, even with major underground utility pipelines installed all around it. All conventional indicators

would suggest the burial could not have survived such construction—but the individual in that burial was intact. Though this incident did not occur near the current project site, it illustrates what is possible.

Page 3-59

4. "If human remains are uncovered, work must be halted…" — Work must be halted within 50 feet of the discovery of human remains. Resumption of work at a closer distance may only proceed with agreement from both the archaeologist and the Native American monitor. The archaeologist does not have final authority and cannot override the decision of the Native American monitor. Additionally, a buffer zone greater than 50 feet may be required, and either the archaeologist or the Native American monitor may call for an expanded buffer. A few years ago, a large stone aqueduct from the Mission era was discovered in the City of San Luis Obispo. It extended over 100 feet.

Section 3.5.4 — Mitigation

5 I may have missed seeing it but we need a plan in place for safe storage of human remains, if any are found. Sometimes, the Coroner will take possession but we need to check on their protocol.

6. Due to possible turnover among project participants, all new hires or anyone newly assigned to the project must also receive cultural resources sensitivity training.

7. The Native American cultural representative participating in the training will be compensated.

8. Under no circumstances will human remains be photographed.

9. In the event of uncertainty in identifying human remains, the ytt Tribe can recommend a local human Osteologist who is an expert in Native American human remains identification.

10. Prior to the start of construction we need to determine a safe and secure place for storage of artifacts.

11. Something to consider: If artifacts are found that are determined to not be a burial related item or gift, perhaps an area within the new courthouse could be built to display items.

In closing, while we see references to "Tribes," we want to clarify that participation in consultation does not entitle a Tribe to participate in project activities.

Thank you for your time and help. We appreciate the information you have shared and we plan to continue with consultation.

Best regards,

--

Mona Olivas Tucker, Chair
yak tityu tityu yak tiłhini Northern Chumash Tribe (ytt Tribe)
San Luis Obispo County and Region
yttnorthernchumashtribe.com/

Memorandum

Subject:	**Cultural Resources Screening for New San Luis Obispo Courthouse Project – Site 1**
Date:	July 20, 2023
To:	Kim Bobic, Judicial Council of California Jennifer Chappelle, Judicial Council of California
From:	Janis Offermann, M.A., RPA, Montrose Environmental Debra Lilly, Montrose Environmental

Introduction

The Judicial Council of California (Judicial Council) proposes to construct the New San Luis Obispo Courthouse Project (Proposed Project) to replace use of the existing courthouse in the city of San Luis Obispo, San Luis Obispo County, California (**Figure 1**; all figures are provided in Attachment 1). To assist the Judicial Council, Montrose Environmental was tasked with screening the Proposed Project location relative to several elements that require study under the California Environmental Quality Act (CEQA); cultural resources being one of them. This technical memorandum, therefore, identifies constraints for selecting Site 1 based on preliminary research for cultural resources. The results of a record search conducted at the Central Coast Information Center (CCIC) of the California Historical Resources Information System (CHRIS) for each of the proposed building sites, as well as the results of the sacred lands files maintained by the Native American Heritage Commission (NAHC) are provided. The screening also included a review of historic maps and local registries.

Once the Judicial Council approves the Project site, an environmental review under CEQA will be undertaken. This will include a pedestrian archaeological survey of the selected Project site and an evaluation of any buildings present on the parcel for eligibility for listing on the California Register of Historical Resources (CRHR)/National Register of Historic Places (NRHP). Native American tribes identified by the NAHC will also be contacted pursuant to Public Resources Code Section 21080.3.1, also referred to as Assembly Bill 52.

Project Description

The Project proposes to construct a new 12-courtroom courthouse of approximately 145,000 square feet in the city of San Luis Obispo. Depending upon the site, the new building may be between three and five floors, including a basement. The Proposed Project would be designed and constructed in accordance with the California Trial Court Facilities Standards and incorporate sustainability measures to comply with State-mandated CalGreen requirements and achieve a minimum Leadership in Energy and Environmental Design Silver certification level.

The Proposed Project would replace the County-owned 1962 and 1982 Courthouse Annex Buildings, including the Judicial Council-owned 1070 Palm Street facility and the 999 Monterey Street leased facility. The historic 1940 county-owned and utilized Old Courthouse building, located at 976 Osos Street, is not part of this project and would not be demolished.

Site 1 is located at 1144 Monterey Street (Assessor's Parcel Number 002-326-021), at the northwest corner of Monterey and Toro streets (**Figures 2 and 3**). It occupies approximately 1.2 acres and is owned by San Luis Obispo County, and currently contains offices of the San Luis Obispo County Department of Parks and Recreation, County facilities and fleet services, and two adjacent open-air parking lots. The buildings surrounding the parcel appear to be commercial and residential properties from the mid-twentieth century or younger.

Archival Review

Montrose submitted a request to the NAHC on April 14, 2023, to review its files for the presence of recorded sacred sites on or near Site 1. The NAHC responded on April 19, 2023, stating that their search of the sacred lands files was positive. The NAHC also provided a list of 10 local tribal representatives to contact regarding concerns about potential project impacts to tribal cultural resources.

A record search was requested by Montrose Environmental cultural resources personnel on April 14, 2023, and was conducted by staff at the CCIC at the Santa Barbara Museum of Natural History on April 20, 2023 (Records Search #23-085). The purpose of the record search was to identify the presence of any previously recorded cultural resources within the site, as well as within a ¼-mile search buffer, and to determine whether any portion of the area had been surveyed previously for cultural resources.

The record search revealed that Site 1 was included as part of one previous study, a Historic Resources Survey conducted by the City of San Luis Obispo Cultural Heritage Committee in 1983. The survey resulted in the recordation of 132 built environment resources within the city and the establishment of five historic districts: the Downtown, Chinatown, Old Town, Mill Street, and Railroad districts. The Santa Rosa/Monterey/Osos/Palm block, which contains the current courthouse complex, is at the east edge of the San Luis Obispo Downtown Historic District, with the boundary of the historic district cutting between the Old Courthouse and Courthouse Annex Buildings; everything east of the Old Courthouse is excluded from the historic district, including Site 1.

Another 85 studies were conducted within the ¼-mile record search buffer for Site 1. A large number of these studies were for linear projects such as sewer and water main replacement and fiber optic line installation along the city streets, and included archaeological exploratory testing and archaeological mitigation activities. Similar studies were conducted for city infill and building stabilization or demolition projects. Other studies focused on the recordation and evaluation of individual built environment resources that were not covered by the 1983 study.

The record search identified 166 previously recorded resources within the ¼-mile search radius for Site 1. While the vast majority of these resources are of the built environment, most of which were recorded during the 1983 survey, 10 of the resources are archaeological sites. These include three pre-

colonial Native American sites, five post-colonial sites, and two multi-component sites that contain materials from pre- and post-colonial periods.

As expected, historic topographic maps and aerial photographs depict the downtown area of San Luis Obispo as developed since the late 1800s, and a United States Geological Survey (USGS) map from 1897 depicts several buildings located within the block that contains Site 1. The earliest aerial photographs suggest that the building at Site 1 appears to have been constructed prior to 1956.

In addition to the NAHC sacred lands search and the CCIC record search, Montrose Environmental cultural resources staff reviewed historic topographic maps and aerial photographs to glean additional information about the history of the site.

Summary

The following summary analyzes the potential sensitivity of Site 1 for cultural resources and lists the cultural resources studies that would be required at the site.

No previously recorded cultural resources are located at Site 1, nor is the location in any of the historic districts identified by the City of San Luis Obispo Cultural Heritage Committee in their 1983 Historic Resources Survey. Historic aerial photography, however, indicates that the extant building at that location was constructed prior to 1956. As a result, the building is older than 50 years of age and would require evaluation for eligibility for listing in the NRHP and CRHR, should this site be selected for the new courthouse.

The entire parcel is developed; therefore, a pedestrian archaeological survey is not recommended. However, historic USGS maps indicate that buildings were present within the block that contains Site 1 by 1897, and archaeological sites have been identified below the city streets within three blocks of this location; therefore, it is possible that buried archaeological deposits could be identified during demolition of the existing building or construction of the new courthouse. The site has **moderate to high sensitivity** for the presence of archaeological sites. Preparation of an Unanticipated Discovery Plan (UDP) is recommended to address any archaeological resources unearthed during construction.

Conclusions

An archival review of Site 1 indicated that a large number of previous cultural resources studies had been conducted in the immediate vicinity of this location. Furthermore, Site 1 had been included in a survey that focused on the built environment resources in downtown San Luis Obispo (City of San Luis Obispo Cultural Heritage Committee 1983); none of the buildings located at Site 1 were identified as significant at that time. However, the building that currently occupies the site was constructed prior to 1956 and would require evaluation for eligibility for listing in the NRHP and CRHR. No archaeological sites have previously been recorded at this location. The CCIC record search, however, revealed that 10 archaeological sites are known to exist in close proximity, and early USGS maps show the presence of buildings at the location in the late 1800s. These data suggest that buried resources may be present at the site. Even though Site 1 has previously been disturbed by the construction of the modern buildings, it is possible that buried materials from early occupation (pre- and post-colonial) of the area may still be

present. It is important to note that Native American groups consider that any pre-colonial archaeological remains hold some significance, no matter what the depositional integrity of those remains might be.

The following table summarizes the recommended studies to be conducted, as well as the sensitivity for archaeological remains, at Site 1.

Cultural Resource Recommendations for the New San Luis Obispo Courthouse Project – Site 1

Site No.	Pedestrian Survey	Built Environment Evaluation	Unanticipated Discovery Plan Preparation	Sensitivity for Buried Archaeological Remains
Site 1	No	Yes	Yes	Moderate/High

Once a location has been selected for the new San Luis Obispo County Courthouse, a Cultural Resources Assessment Report will need to be prepared to describe the results of more detailed culture resources studies and to comply with CEQA. Native American tribes with a traditional and cultural affiliation will also need to be notified about the project and provided the opportunity to consult with the Judicial Council of California pursuant to Public Resources Code Section 21080.3.1. The results of these consultation efforts will be summarized in the Cultural Resources Assessment Report.

References Cited

Byrd, Brian F., Adrian R. Whitaker, Patricia J. Mikkelsen, and Jeffrey S. Rosenthal. 2017. San Francisco Bay-Delta Regional Context and Research Design for Native American Archaeological Resources, Caltrans District 4. Submitted to California Department of Transportation District 4. Oakland, California.

City of San Luis Obispo Cultural Heritage Committee. 1983. Historic Resources Survey. Report SL-02651 on file at the CCIC of the California Historical Resources Information System at the Santa Barbara Museum of Natural History in Santa Barbara, California. Results of the survey are also available on line at https://www.slocity.org/government/department-directory/community-development/historic-and-archeological-preservation.

Garcia and Associates. 2014. Continuation form for the San Luis Obispo Tank Farm site (P-40-002617/CA-SLO-2617H) on file at the CCIC of the California Historical Resources Information System at the Santa Barbara Museum of Natural History in Santa Barbara, California.

Office of Historic Preservation [OHP]. 2023. Built Environment Resource Evaluation for San Luis Obispo County available at https://ohp.parks.ca.gov/?page_id=30338.

ATTACHMENTS

Attachment 1: Figures

- Figure 1: Project Vicinity Map
- Figure 2: Project Location Map
- Figure 3: Proposed Project Site

Attachment 2: Native American Heritage Commission Correspondence

ATTACHMENTS

Attachment 1

Figures

Figure 1
Project Vicinity

Project Location

N

0 5
Miles

MONTROSE ENVIRONMENTAL

New San Luis Obispo Courthouse Project

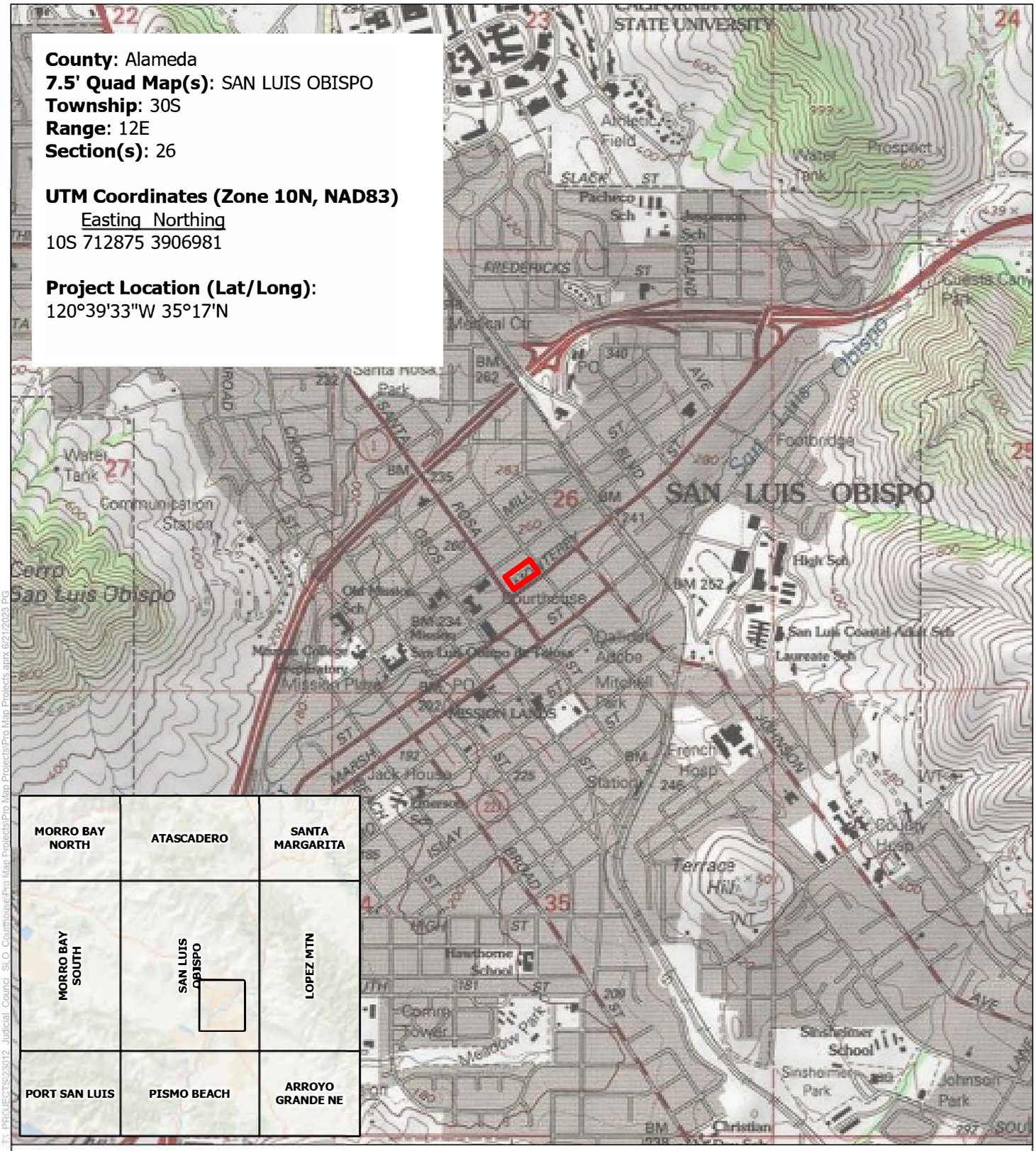


Figure 2
Project Location

Site 1

MONTROSE ENVIRONMENTAL

New San Luis Obispo Courthouse Project

Figure 3
Proposed Project Site

Site 1

MONTROSE ENVIRONMENTAL

New San Luis Obispo Courthouse Project

Attachment 2

Native American Heritage Commission Correspondence

Local Government Tribal Consultation List Request

Native American Heritage Commission
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95691
916-373-3710
916-373-5471 – Fax
nahc@nahc.ca.gov

Type of List Requested

☒ **CEQA Tribal Consultation List (AB 52)** – ***Per Public Resources Code § 21080.3.1, subs. (b), (d), (e) and 21080.3.2***

☐ **General Plan (SB 18)** - ***Per Government Code § 65352.3.***

Local Action Type:

☐ **General Plan** ☐ **General Plan Element** ☐ **General Plan Amendment**

☐ **Specific Plan** ☐ **Specific Plan Amendment** ☐ **Pre-planning Outreach Activity**

Required Information

Project Title: San Luis Obispo Courts Project

Local Government/Lead Agency: CA Judicial Council

Contact Person: Janis Offermann / Montrose Environmental Services

Street Address: 1801 7th Street, Suite 100

City: Sacramento, CA **Zip:** 95811

Phone: 530.220.4918 **Fax:**

Email: jaoffermann@montrose-env.com

Specific Area Subject to Proposed Action

County: San Luis Obispo **City/Community:** San Luis Obispo

Project Description:

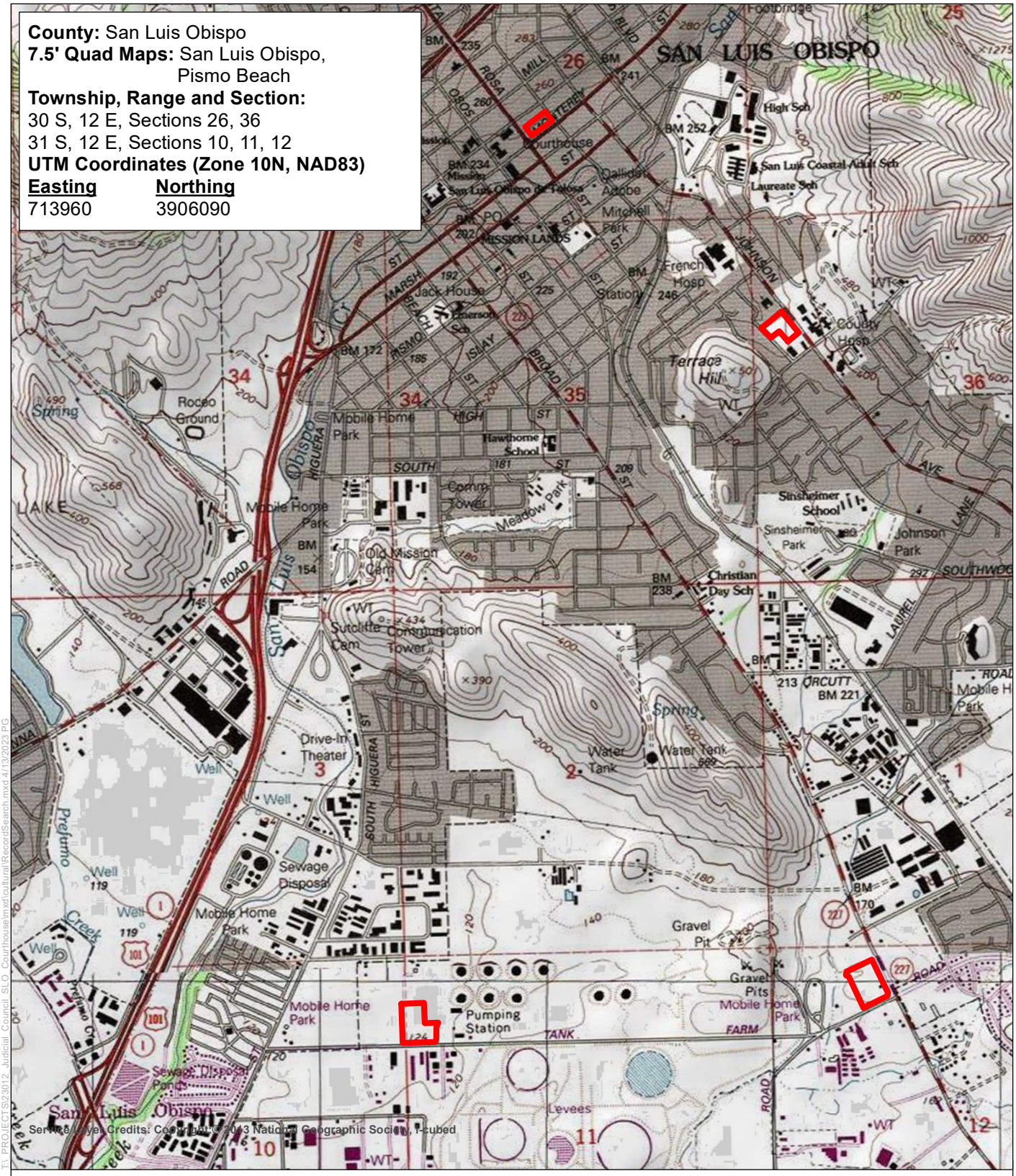
The California Judicial Council is conducting a preliminary review of four sites in San Luis Obispo for the location of a new courthouse.

Additional Request

☒ **Sacred Lands File Search** - ***Required Information:***

USGS Quadrangle Name(s): San Luis Obispo, Pismo Beach

Township: 30-31 South **Range:** 12E **Section(s):** 26, 36, 10, 11, 12



T:_PROJECTS\23012_Judicial_Council_SLO_Courthouse\mxd\cultural\RecordSearch.mxd 4/13/2023 RG

NATIVE AMERICAN HERITAGE COMMISSION

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

April 19, 2023

Janis Offermann
Montrose Environmental Services

Via Email to: jaoffermann@montrose-env.com

Re: Native American Tribal Consultation, Pursuant to the Assembly Bill 52 (AB 52), Amendments to the California Environmental Quality Act (CEQA) (Chapter 532, Statutes of 2014), Public Resources Code Sections 5097.94 (m), 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2 and 21084.3, San Luis Obispo Courts Project, San Luis Obispo County

To Whom It May Concern:

Pursuant to Public Resources Code section 21080.3.1 (c), attached is a consultation list of tribes that are traditionally and culturally affiliated with the geographic area of the above-listed project. Please note that the intent of the AB 52 amendments to CEQA is to avoid and/or mitigate impacts to tribal cultural resources, (Pub. Resources Code §21084.3 (a)) ("Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource.")

Public Resources Code sections 21080.3.1 and 21084.3(c) require CEQA lead agencies to consult with California Native American tribes that have requested notice from such agencies of proposed projects in the geographic area that are traditionally and culturally affiliated with the tribes on projects for which a Notice of Preparation or Notice of Negative Declaration or Mitigated Negative Declaration has been filed on or after July 1, 2015. Specifically, Public Resources Code section 21080.3.1 (d) provides:

Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section.

The AB 52 amendments to CEQA law does not preclude initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction prior to receiving requests for notification of projects in the tribe's areas of traditional and cultural affiliation. The Native American Heritage Commission (NAHC) recommends, but does not require, early consultation as a best practice to ensure that lead agencies receive sufficient information about cultural resources in a project area to avoid damaging effects to tribal cultural resources.

The NAHC also recommends, but does not require that agencies should also include with their notification letters, information regarding any cultural resources assessment that has been completed on the area of potential effect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

- A listing of any and all known cultural resources that have already been recorded on or adjacent to the APE, such as known archaeological sites;
- Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
- Whether the records search indicates a low, moderate, or high probability that unrecorded cultural resources are located in the APE; and
- If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

- Any report that may contain site forms, site significance, and suggested mitigation measures.

  All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code section 6254.10.

3. The result of any Sacred Lands File (SLF) check conducted through the Native American Heritage Commission was positive. Please contact the tribes on the attached list for more information.

4. Any ethnographic studies conducted for any area including all or part of the APE; and

5. Any geotechnical reports regarding all or part of the APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS are not exhaustive and a negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event that they do, having the information beforehand will help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our consultation list remains current.

If you have any questions, please contact me at my email address: Cody.Campagne@nahc.ca.gov.

Sincerely,

Cody Campagne

Cody Campagne
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Tribal Consultation List
San Luis Obispo County
4/19/2023

Barbareno/Ventureno Band of Mission Indians
Dayna Barrios, Chairperson
Phone: (805) 890 - 6855 Chumash
barrios_dayna@yahoo.com

Barbareno/ Ventureno Band of Mission Indians
Annette Ayala, CRM Committee Chair
188 S. Santa Rosa Street Chumash
Ventura, CA, 93001
Phone: (805) 515 - 9844
annetteayala78@yahoo.com

Chumash Council of Bakersfield
Julio Quair, Chairperson
729 Texas Street Chumash
Bakersfield, CA, 93307
Phone: (661) 322 - 0121
chumashtribe@sbcglobal.net

Coastal Band of the Chumash Nation
Gabe Frausto, Vice Chair
P.O. Box 40653 Chumash
Santa Barbara, CA, 93140
Phone: (805) 324 - 0135
cbcn22vicechair@gmail.com

Coastal Band of the Chumash Nation
Mia Lopez, Chairperson
P. O. Box 40653 Chumash
Santa Barbara, CA, 93140
Phone: (805) 324 - 0135
cbcntribalchair@gmail.com

Northern Chumash Tribal Council
Violet Walker, Chairperson
P.O. Box 6533 Chumash
Los Osos, CA, 93412
Phone: (760) 549 - 3532
violetsagewalker@gmail.com

Salinan Tribe of Monterey, San Luis Obispo Counties
Patti Dunton, Tribal Administrator
7070 Morro Road, Suite A Salinan
Atascadero, CA, 93422
Phone: (805) 464 - 2650
info@salinantribe.com

San Luis Obispo County Chumash Council
Chumash

Santa Ynez Band of Chumash Indians
Kenneth Kahn, Chairperson
P.O. Box 517 Chumash
Santa Ynez, CA, 93460
Phone: (805) 688 - 7997
Fax: (805) 686-9578
Chairman@chumash.gov

Tule River Indian Tribe
Neil Peyron, Chairperson
P.O. Box 589 Yokut
Porterville, CA, 93258
Phone: (559) 781 - 4271
Fax: (559) 781-4610
neil.peyron@tulerivertribe-nsn.gov

yak tityu tityu yak tiłhini – Northern Chumash Tribe
Mona Tucker, Chairperson
660 Camino Del Rey Chumash
Arroyo Grande, CA, 93420
Phone: (805) 748 - 2121
olivas.mona@gmail.com

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and section 5097.98 of the Public Resources Code.

This list is only applicable for consultation with Native American tribes under Public Resources Code Sections 21080.3.1 for the proposed San Luis Obispo Courts Project, San Luis Obispo County.

Appendix B
Central Coast Information Center Results

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Appendix C
DPR Primary Record Forms

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State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ **Reviewer** _____ **Date** _____

Page 1 **of** 14 ***Resource Name or #** (Assigned by recorder) 1144 Monterey Street

P1. Other Identifier: 1134-1146 Monterey Street

***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted** ***a. County** San Luis Obispo
and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad** San Luis Obispo **Date** 1965 **T** 30S ; **R** 12E ; ___ ¼ **of Sec** 26 ; ___ **B.M.**

c. Address 1144 Monterey Street **City** San Luis Obispo **Zip** 93408

d. UTM: (give more than one for large and/or linear resources) Zone __; _____mE/ _____mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) APN 002-326-021-000

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The 1.21-acre commercial property complex is located at the intersection of Monterey and Toro Streets on San Luis Obispo's primary commercial thoroughfare, a few blocks northeast of Downtown. Monterey Street in the vicinity of the subject property is three lanes wide and characterized by automobile-oriented twentieth century commercial development, much of which is set back behind large parking areas; the property is part of an area that was historically dominated by automobile dealerships and other car-related businesses. The street has wide sidewalks and mature street trees. Cross streets are characterized by single-family houses, most of which were constructed prior to 1945. The commercial complex is on a site that slopes upward toward the north and consists of paved parking areas near the intersection and near the southwest parcel line with a roughly L-shaped building complex at the center of the parcel and along the northwest parcel line. The building complex is composed of three connected volumes. The small rectangular-plan west building (1134 Monterey Street) is single-story and was constructed in 1923. Its northeast elevation is immediately adjacent to the main building (1144 Monterey Street), which is rectangular in plan and flat-roofed with one- and two-story sections. It stretches across the parcel from north to south; it was constructed in 1946. A perpendicular c1960 addition (1146 Monterey Street), projects from the main volume along the alley that forms the northwest boundary of the parcel. It is irregular in plan and one-story with a flat roof (cont. p. 3).

***P3b. Resource Attributes:** (List attributes and codes) HP6, 1-3 story commercial property.

***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5b. Description of Photo: (View, date, accession #) Photograph 1: 1144 -46 Monterey St, southeast elevation, facing northwest, 9/11/2024.

***P6. Date Constructed/Age and Sources:**
☒ Historic ☐ Prehistoric ☐ Both
1923, 1946-47, c1960, San Luis Obispo County Tribune and Sanborn Insurance Maps

***P7. Owner and Address:**
San Luis Obispo County
1055 Monterey Street
San Luis Obispo, CA 93408

***P8. Recorded by:**(Name, affiliation, address)
Kara Brunzell, Montrose Environmental
Montrose Environmental; 1 Kaiser Plaza, Suite 340, Oakland, CA 94612***P9. Date Recorded:** September 11, 2024

***P10. Survey Type:** (Describe) Intensive

***P11. Report Citation:**(Cite survey report and other sources, or enter "none.")

***Attachments:** NONE ☐ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record ☐ Other (list) _____

B1. Historic Name:
B2. Common Name: 1144 Monterey Street
B3. Original Use: commercial B4. Present Use: commercial
***B5. Architectural Style:**
***B6. Construction History:** (Construction date, alteration, and date of alterations) Original construction auto club, 1923
Original construction auto showroom, 1946-47
Gas station constructed, c1949
Auto repair wing constructed, c1960
Gas station demolished, 1964 – 1980
South end of auto showroom building remodeled with Spanish Revival ornamental details, auto club main façade details/door/windows removed and replaced, brick cladding added to both building main façades 1980s
Accessible ramps added, interior remodel, 1994
Interior remodel, removal of interior walls, 2016
Reroof, 2018

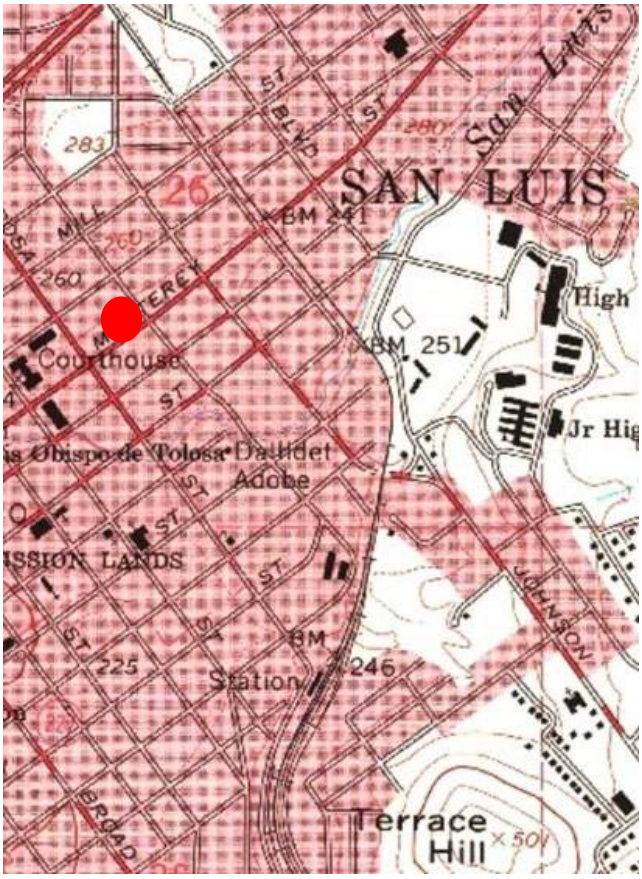
***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** _____ **Original Location:** _____
***B8. Related Features:** _____
B9. Architect: _____ b. Builder:
***B10. Significance: Theme** N/A **Area** N/A
Period of Significance N/A **Property Type** N/A **Applicable Criteria** N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

B11. Additional Resource Attributes: (List attributes and codes)
*B12. References:
(See Footnotes)
B13. Remarks:

***B14. Evaluator:** Kara Brunzell

***Date of Evaluation:** September 11, 2024

(This space reserved for official comments.)



***P3a. Description: (continued):**

1134 Monterey Street (the southwest volume) is roughly 25' x 70' and set back about 20' from the sidewalk. Originally constructed in the Spanish Revival architectural style, it retains some remnants of its original design despite heavy alterations. There is a single parking space between the sidewalk and the building, which has a flat roof with no eaves or parapet on the sides and rear. There is a decorative clay tile shed roof at the main façade with projecting rafter tails and heavy decorative wood brackets at the cornice. The building is constructed of brick, which is stuccoed on the side and rear elevations; the main façade is clad in decorative brick laid in stack bond. The center of the main façade is fitted with large storefront windows with aluminum frames and a fully glazed aluminum-frame door. The entrance is accessed via a concrete ramp with a simple metal handrail. There is a concrete planter in front of the ramp. There are two fixed wood windows on the southwest elevation as well as a secondary entrance. A third entrance at the rear of the building is below grade because of the sloping site; a set of concrete steps leads to the door. A decorative stuccoed chimney at the junction of 1134 Monterey Street and the adjacent 1144 Monterey Street has its own diminutive clay tile roof.

Photograph 2: 1134 Monterey St. left frame with 1144 Monterey St. center frame, southwest and southeast elevations, camera facing north, September 11, 2024.

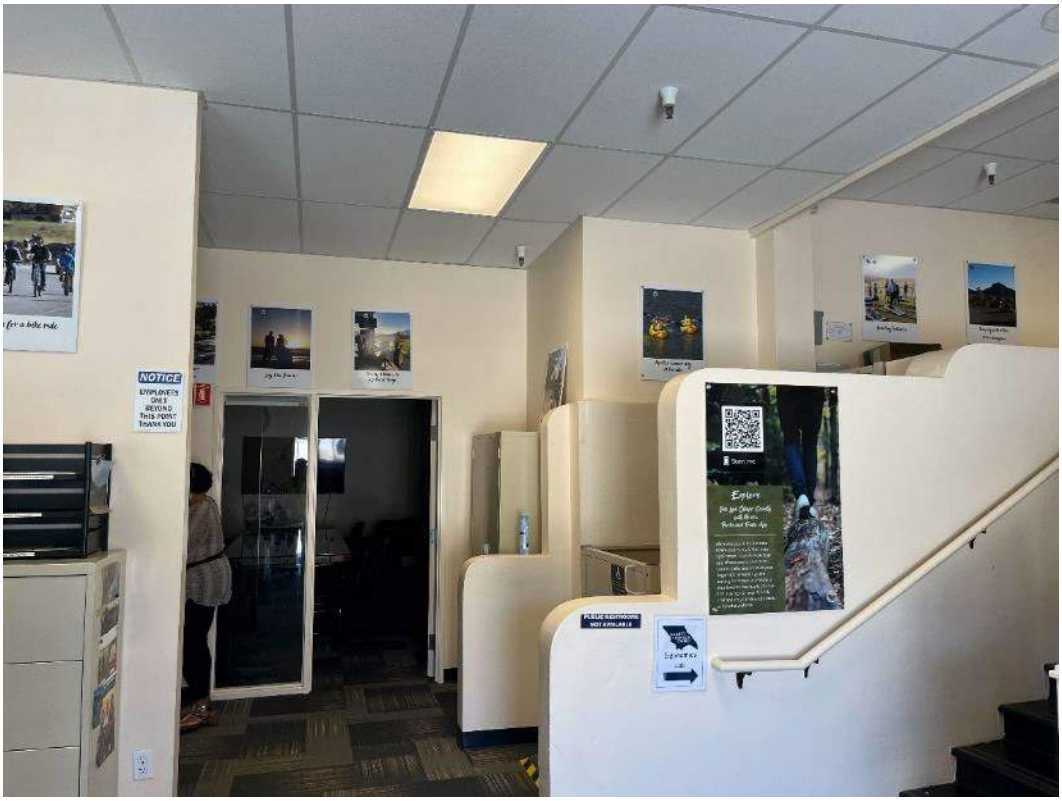
Photograph 3: 1134 Monterey St., southwest and southeast elevations, camera facing northeast, September 11, 2024.

Photograph 4: 1134 Monterey St. with 1144 Monterey St. background, northwest and southwest elevations, September 11, 2024.

The main volume (1144 Monterey Street) connects to the northeast elevation of 1134 Monterey Street and is roughly 50' x 165', stretching the entire length of the parcel. Although research has not revealed any early photographs, comparison with nearby buildings constructed about the same time, in addition to the plan and form of 1144 Monterey Street, indicate that it was originally an example of Streamline Moderne architecture. It has a flat roof and is constructed of brick with stucco cladding. Originally an automobile dealership, its south volume is a one-story auto showroom with a rounded southeast corner. A decorative clay tile mansard roof on the showroom volume has a wooden cornice with heavy decorative wood brackets. A ribbon band of aluminum-frame display windows above a tile bulkhead rounds the corner from the southeast (primary) to the northeast elevation, which faces the parking lot. A taller volume behind the showroom was originally an office with a small apartment above; the north end of the building has a large vehicle opening with roll-up door and was designed as a car repair area. A partial-width fabric awning shelters the human-scale entrances facing the parking lot, which are right of center and fitted with aluminum-frame glass doors. Fenestration consists of fixed aluminum and vinyl windows on the northeast elevation. The interior of the showroom has been converted to contemporary office use with fluorescent lighting, partitions, and other modifications but displays some rounded forms that appear to date from the original Streamline Moderne building design.

Photograph 5: 1144 Monterey St. with showroom center frame and office right frame, southeast and northeast elevations, camera facing west, September 11, 2024.

Photograph 6: 1144 Monterey St, northeast elevation, camera facing southwest, September 11, 2024.

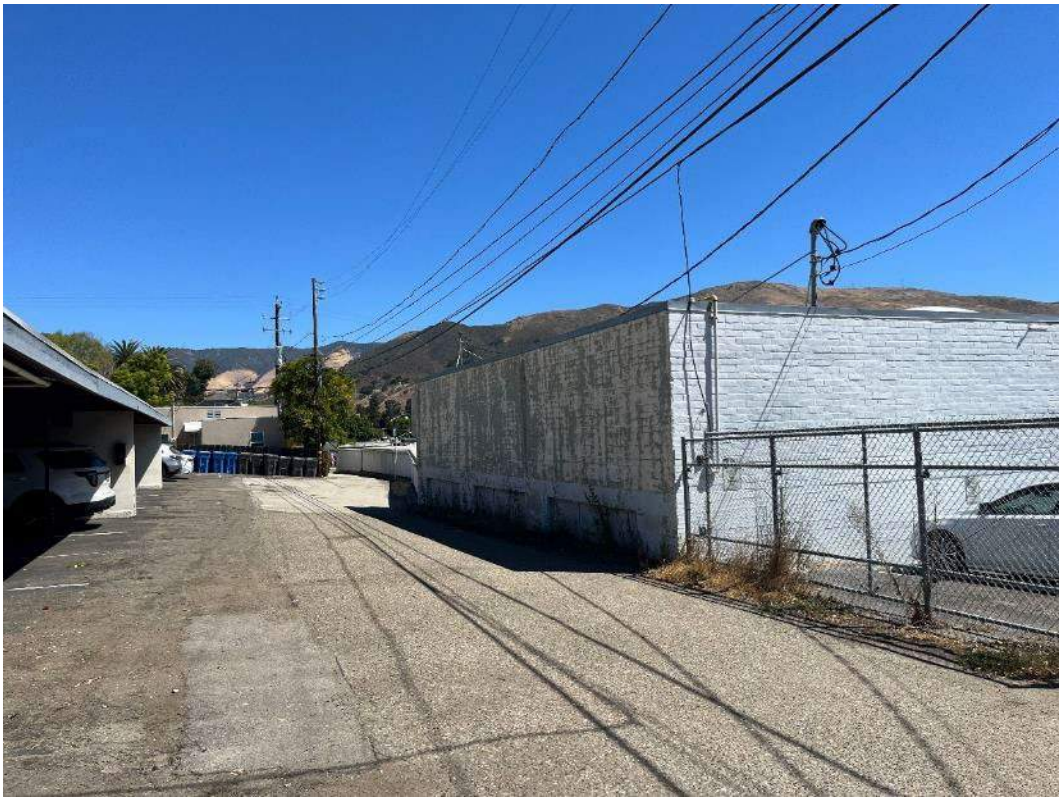


Photograph 7: Interior of 1144 Monterey St, camera facing west, September 11, 2024.

1166 Monterey Street projects from the northeast elevation of 1144 Monterey Street across the rear of the parcel. Compared to the two older buildings on the property, it appears to have been altered very little over the years. It is a rather utilitarian example of Midcentury Modern architecture that was constructed to serve as an auto repair shop. It is constructed of concrete masonry units with a stucco soffit along the west half of the main (southeast) elevation, and decorative diamond-pattern concrete masonry units on its east half. A fabric awning shelters large aluminum-frame display windows near the junction with the main building, an entrance in this area is fitted with an aluminum-frame glazed door. There are two vehicle openings with roll-up metal doors to the right of the human-scale entrance. An open carport area occupies the center of the building. The right end of the building is fitted with fixed aluminum sliding-sash windows and appears to have been designed as an office. The northwest elevation of the building is along the alley and lacks fenestration or entrances.

The buildings are all in good condition.

Photograph 8: 1166 Monterey St, southeast elevation, camera facing northwest, September 11, 2024.



Photograph 9: 1144 Monterey St. from alley with 1166 Monterey St. background, northwest elevation, facing east, September 11, 2024.

Photograph 10: View from parking lot across Monterey St, camera facing southeast, September 11, 2024.

B10. Significance (continued):

San Luis Obispo

The original inhabitants in the area were the Salinans and Chumash. During Spanish settlement of California, Father Junipero Serra founded Mission San Luis Obispo de Tolosa in 1772. After Mexico won independence from Spain in 1821, the California missions were controlled by the Mexican government. In 1845, Mexican governor, Pio Pico sold Mission San Luis Obispo to John Wilson, a Scottish sea captain who had settled in California. During the 1846 Bear Flag Revolt, the Mission was used as a base for the California Battalion under John Fremont. Starting in the mid-nineteenth century, the main industry in the area was dairy and cattle farming. In 1868, San Luis Obispo became the county seat. Around that time, stagecoach routes were established and by the 1890s the Southern Pacific Railroad lines also accessed the area, leading to further development.[1]

In 1901, California Polytechnic (Cal Poly) San Luis Obispo college was established. The school's emphasis on agricultural education supported the strong dairy industry. After 1914, the student body population declined as students enlisted in the armed forces. During World War I, navy beans subsidized by the War Relief Administration became a popular crop, along with other types of beans and peas. The port in San Luis Obispo employed local workers and allowed development of a profitable oil industry. When the first state highway was routed through San Luis Obispo County in 1915, the area began to attract automobile tourism. In the 1920s, a population boom was spurred by the rise of automobiles, along with an increase in auto-oriented tourism. At this time, the first motel was constructed in San Luis Obispo, the Milestone Mo-Tel (short for "motor hotel"). The city was a popular tourist destination due to its Mission, beaches, Spanish-inspired architecture, and vineyards.[2]

In the 1930s, while much of the state was facing the economic ramifications of the Great Depression, San Luis Obispo County's economy was supported by Camp San Luis Obispo, a military facility located on California State Route 1. Due to the camp's wartime importance, many soldiers' families settled in San Luis Obispo. In the 1970s, the camp was converted to El Chorro Regional Park.[3]

After World War II, the G.I. Bill gave veterans the opportunity to buy homes in the area, and suburban neighborhoods faced postwar expansion. Between 1940 and 1950, the San Luis Obispo population grew from 8,881 to 14,180, a nearly 60% increase. As population growth continued in the postwar era, new subdivisions of single-family homes were developed to accommodate the rising population. Completion of US Highway 101 in 1958 further stimulated automobile tourism and associated development of motels and other tourism-serving businesses near the highway. From the 1970s into the 2000s, San Luis Obispo has seen more commercial development, such as the San Luis Obispo Promenade which opened in 1998. In 2022, the population of San Luis Obispo was 48,341; the total population San Luis Obispo County was 282,424.[4]

1134 – 1166 Monterey Street

1134 Monterey Street was constructed about 1923 to serve as an automobile club office. The small Spanish Revival building served in that capacity for nearly four decades until it moved to a larger location in 1960. The property was an auto parts store in the 1960s. It was on its own parcel and was owned and operated separately from the adjacent building at 1144 Monterey Street until it was acquired by the auto dealership in the 1980s.[5]

The auto dealership building on 1144 Monterey Street was built in 1946 by John Boriack. It was originally home to the Boriack Motor Company. Born in Texas, John R. Boriack (1915-1998) moved to California in the 1930s, operating automobile garages in partnership with

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[1] Office of Historic Preservation, "San Luis Obispo de Tolosa," California State Parks, Accessed Sep. 22, 2024; Mission San Luis Obispo, "History," Accessed Sep. 22, 2024, https://missionsanluisobispo.org/visit/; Alexander Forbes, *California: A History of Upper and Lower California,* Cornhill London: Smith, Elder and Co., 1839; Historic Resources Group, "City of San Luis Obispo Citywide Historic Context Statement," Sep. 30, 2013, 13.

[2] Historic Resources Group, "City of San Luis Obispo Citywide Historic Context Statement," Sep. 30, 2013, 14-15.

[3] Historic Resources Group, "City of San Luis Obispo Citywide Historic Context Statement," Sep. 30, 2013, 92-93; San Luis Obispo County Parks "El Chorro Regional Park Campground," Accessed Sep. 22, 2024, https://slocountyparks.com/camp/el-chorro/.

[4] Historic Resources Group, "City of San Luis Obispo Citywide Historic Context Statement," Sep. 30, 2013, 115, 125; United States Census Bureau, "San Luis Obispo," Accessed, Sep. 30, 2024.

[5] *The Tribune,* "Lunch Hails Auto Club's 50th Year," April 4, 1967, 12,

his brother William. He married Livina Bruce (1922-1993) in 1941 and they had two children. After World War II, John Boriack started his own garage a few blocks west of the subject property in Downtown San Luis Obispo. Livina Boriack was a partner in the Boriack Motor Company business and acted as the company bookkeeper and a car saleswoman. The Boriacks acquired a large parcel northwest of the intersection of Monterey and Toro streets in the 1940s. The property had held a performance theater known as The Pavilion, The Pavilion Opera House, or the Civic Auditorium since the late 1880s. in 1946, Boriack demolished the old Civic Auditorium and received a permit from the City to construct a rectangular 50' x 175' reinforced concrete garage building. The new building was immediately adjacent to the existing auto club building at 1134 Monterey Street. There had been several automobile-oriented businesses on the stretch of Monterey Street between Santa Rosa and Toro streets since at least the 1920s, and the area was known as auto row. Although the used-car and trailer dealership was operational by Fall of 1946, the grand opening for the new Boriack Motor Company was in May 1947. Research did not reveal original photographs of the building, but contemporaneous newspaper stories touted the "modern design" and "up-to-date architecture and construction" of the building. About 1949, Boriack developed a small gas station at the corner of the subject property. In 1954, Boriack rebranded his company Boriack Kaiser-Willys Motor Company. In the early years, the couple lived on the car dealership property, apparently in an upstairs apartment, with their two small children.[6]

From 1951 through about 1955, Stanley V. Cole Motors leased space on the property from Boriack. Stanley Cole (1913-1989) moved to San Luis Obispo in 1925, where he and his wife, Elly Anholm Cole (1916-2001), would have two children. Cole was the manager at three theaters in San Luis Obispo before purchasing the Snow White Creamery, which he operated until 1950. In 1950, he purchased a Chrysler dealership in San Luis Obispo, forming the Stanley V. Cole Motors company.[7]

In 1956, Kimball Motor Company, owned and operated by Jim Kimball (1932-2019), took over the location. Kimball Motor Company had been formed in 1922 by Jim's father Fred. Kimball's operation at Monterey Street was quite large, with a staff of fourteen. Kimball and his wife, Lorraine Kimball (1929-2021) operated the dealership together. They also had six children together. Jim Kimball was active in the community, serving on the San Luis Obispo Chamber of Commerce, the Exchange Club, and the San Luis Obispo Architectural Review Board. About 1960, the Kimballs constructed the irregular-shaped addition along the alley behind the subject property, which was utilized for auto repair. During this era, the building had a flat roof without the current decorative clay tile roof on the volume closest to Monterey Street, and there was a tall blade sign on the main façade. The gas station was demolished in the late 1960s or 1970s. In 1972, Kimball moved his dealership to another location, and Fred Lucksinger (1921-2004) briefly moved Lucksinger Motors dealership and service and parts departments to 1144 Monterey Street. In 1974, the location was taken over by Jack Hathaway Volkswagen, which operated there through the 1980s. Jack D. Hathaway (1926-1999) was married twice, to Donna Dodge and then Ima Cheek, and had six children between the two. He lived in San Luis Obispo until his death in 1999. The decorative clay tile roof at the south end of the auto showroom building along with the heavy ornamental wood elements above the display windows are likely to have been added to the building in the early 1980s in order to integrate the 1923 and 1946 buildings stylistically. [8]

In 1988, the Kimball family reacquired the subject property and opened Kimball Volkswagen/Mitsubishi, operated by Lorraine and Jim's son Jeff Kimball. In 1994, the whole property was sold to San Luis Obispo County and remodeled for use as the Clerk-Recorder's Office. They have remained in the hands of the county and in 2024 house the County Parks and Recreation Department.[9]

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[6] *The Tribune,* "Livina B. Boriack," Feb. 19, 1993, 18, "Permits," September 4, 1946, 10, "For Sale," Oct. 25, 1946, 9, "Boriack Announces Formal Opening of New Building," May 16, 1947, 6, "First Showing of the New 1951 Plymouth," Jan. 13, 1951, 8; US Census records, San Luis Obispo County, 1950.

[7] *The Tribune,* "Obituaries: Stanley V. Cole," Jun. 24, 1989, 28.

[8] *The Tribune,* "Boriack Kaiser-Willys Motor Co.," Nov. 24, 1954, 6; *The Tribune,* "Pontiac," Sep. 8, 1956, 3; *The Tribune,* "James Kimball," May 8, 2016, C4; *The Tribune,* "Lorraine Kimball," Oct. 10, 2021, B9; *The Tribune,* "Shifts in Auto Dealerships," Aug. 2, 1972, 17.

[9] *The Tribune,* "Fictitious Business Name Statement," Jan. 15, 1990, 19; *The Tribune,* "County Clerk-Recorder's Office Shares Digs," Dec. 4, 1990, 9.

Figure 1: 1134 Monterey St., undated photograph (1923 – 1946), (*History Center of San Luis Obispo County*)

Figure 2: 1134 Monterey St. right frame with car dealership. signagevisible upper right edge , undated photograph c1950, (*History Center of San Luis Obispo County*)

Figure 3: 1144 Monterey St., 1985 (*History Center of San Luis Obispo County*)


Figure 4: Aerial of subject property (outlined in red) showing 1923 and 1946 buildings, 1947 (*USDA*).

Figure 5: Aerial of subject property showing 1923 and 1926 buildings and gas station (outlined in red) 1959 (*USDA*).

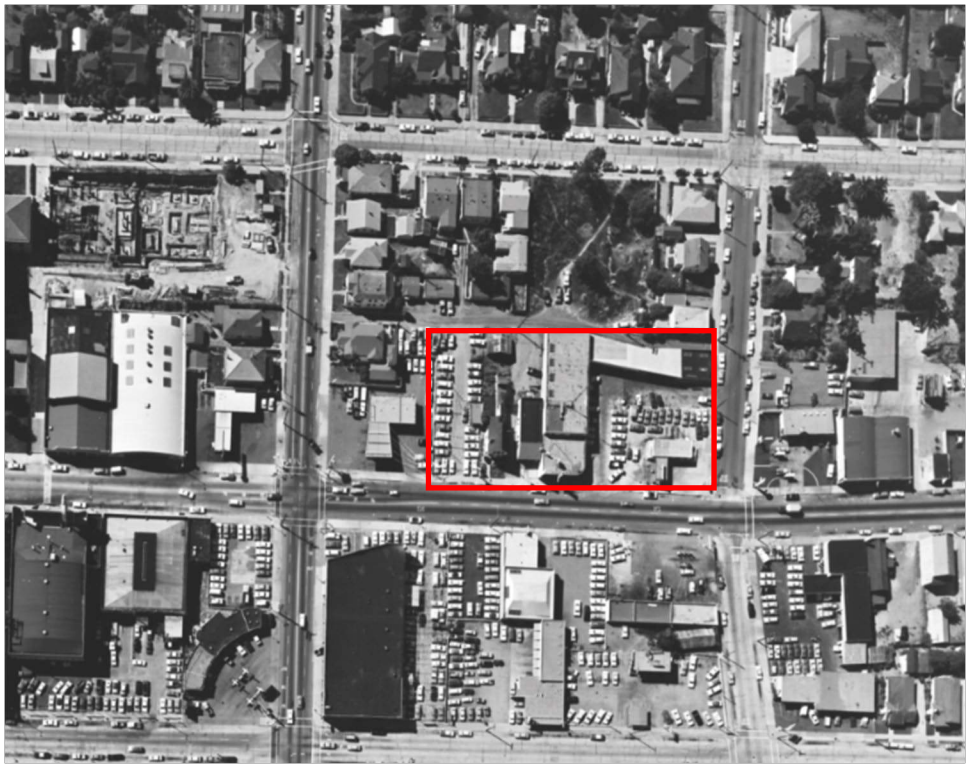


Figure 6: Aerial of subject property with three connected buildings and gas station (outlined in red) 1963 (*USDA*).

Evaluation:
The NRHP and CRHR require that a significance criterion from A-D or 1-4 (respectively) be met for a resource to be eligible.

Criterion A/1: The subject property is not associated with events that have made a significant contribution to the broad patterns of our history. The property is generally associated with mid-twentieth century commercial expansion as well as the proliferation of automobile-oriented businesses in San Luis Obispo during that era. Research has not revealed that the property is significant within those historic contexts or any other important historic context. Therefore, the property is recommended ineligible to the NRHP or CRHR under Criterion A/1.

Criterion B/2: The subject property is not associated with the life of persons important to our history. Research has revealed no important professional accomplishments or lasting impacts on local history by individuals associated with the property, and the property type has limited potential for significant association with important persons. The building has been home to a number of car dealerships, none of which have had a significant impact on the automotive industry or on local history. Several locally prominent individuals owned the property, but none were significantly associated with it for a substantial length of time. Therefore, the property lacks the strength of association required for eligibility under Criterion B/2. The property is recommended ineligible to the NRHP or CRHR under Criterion B/2.

Criterion C/3: The property is not significant for its architecture. Research has revealed no evidence that its buildings were designed by an architect or a notable local builder. Nor does the building exhibit the design elements present in architectural landmarks. The three connected buildings were constructed over a period of nearly 40 years and reflect an ad hoc approach to building design in which various forms and materials were utilized to meet changing needs over time. Furthermore, the two older buildings have been substantially altered over the years. The 1923 automobile club building was originally a good if simple example of Spanish Revival architecture. Its main façade details, which originally included a wide wood door, smooth stucco cladding, heavy classical columns, and display windows with transoms, have all been lost. Likewise, the portion of the 1946 car dealership building closest to the street appears to have been heavily altered. Research has revealed no early photographs or architectural drawings of the building, however, its large display windows, rounded south corner, flat roof, and curved interior forms as well as the fact that early aerial photographs do not show a tile roof strongly suggest that it was originally an example of Streamline Moderne architecture. Two nearby car dealership buildings across the street from the subject property were constructed during the same era and exhibit Streamline Moderne design details including similar curved corners. It is highly likely that the car showroom was altered about 1980 when it was consolidated with the former automobile club building. The 1960 volume is fairly utilitarian and lacks architectural distinction. Therefore, the property lacks both architectural significance and integrity required for historic listing based on design. For these reasons, the property is recommended ineligible to the NRHP or CRHR under Criterion C/3.

Criterion D/4: In rare instances, buildings themselves can serve as sources of important information about historic construction materials or technologies and be significant under Criterion D/4. The subject property is an example of well-understood types of construction and does not appear to be a principal source of important information in this regard.

The property is recommended ineligible for listing on the NRHP or CRHR. It does not qualify as a historical resource under CEQA.

State of California – The Resources Agency **Primary # _____**
DEPARTMENT OF PARKS AND RECREATION **HRI # _____**
PRIMARY RECORD **Trinomial _____**
NRHP Status Code _____
Other Listings _____
Review Code _____ Reviewer _____ Date _____

Page 1 **of** 6 ***Resource Name or #** (Assigned by recorder) 969 Toro Street
. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted** ***a. County** San Luis Obispo
and (P2b and P2c or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** San Luis Obispo **Date** 1965 **T** 30S ; **R** 12E ; ___ ¼ **of Sec** 26 ; ___ **B.M.**
c. Address 969 Toro Street **City** San Luis Obispo **Zip** 93401
d. UTM: (give more than one for large and/or linear resources) Zone __; _____mE/ _____mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) APN 002-326-012-000

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The 0.09-acre property is located in a residential area just off Monterey Street, San Luis Obispo's primary commercial thoroughfare. It is located across the street from the southwestern boundary of the Mill Street Historic District, a small district with a high concentration of historically and architecturally significant houses built between 1900 and the 1920s. Most of the small parcel, which slopes upward toward the north, is occupied by the house and carport; landscaping is limited to a couple of mature trees and small areas of drought-tolerant plantings. The one-story Pueblo Revival-style house, set back only about 10 feet from the sidewalk, has a flat roof and no eaves. Its main volume is rectangular in plan, with an irregular plan rear section and a carport projecting from the northwest (side) elevation. The house is clad in stucco with metal flashing at the cornice. There is an integral partial-width porch on the main (northeast) elevation that is supported by a square stucco column at the corner. It shelters the main entrance, which faces the driveway rather than the street and is fitted with a paneled wood door. It is accessed by a wide concrete step. Fenestration consists of replacement vinyl windows in various configurations. The carport projecting from the back end of the northwest elevation has a flat roof and is clad in stucco. It is accessed by a short dirt driveway and has a partially-glazed door and horizontally-oriented steel casement windows on its enclosed back section. A small addition at the rear of the house is irregular in plan with a lower-height pitched roof. A tall board fence separates the back yard from the alley behind the property. The building is in good condition and the yard is well maintained.

***P3b. Resource Attributes:** (List attributes and codes) HP2, Single family property.

***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5b. Description of Photo: (View, date, accession #) Photograph 1: 969 Toro St, northeast elevation, camera facing southwest, September 11, 2024.

***P6. Date Constructed/Age and Sources:**
☒ Historic ☐ Prehistoric ☐ Both
c1926, San Luis Obispo County Assessor

***P7. Owner and Address:**
San Luis Obispo County
1055 Monterey Street
San Luis Obispo, CA 93408

***P8. Recorded by:**(Name, affiliation, address)
Kara Brunzell, Montrose Environmental
Montrose Environmental; 1 Kaiser Plaza, Suite 340, Oakland, CA 94612

***P9. Date Recorded:** September 11, 2024

***P10. Survey Type:** (Describe) Intensive

***P11. Report Citation:**(Cite survey report and other sources, or enter "none.")

***Attachments:** NONE ☐ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record ☐ Other (list) _____

B1. Historic Name:
B2. Common Name: 969 Toro Street
B3. Original Use: residential B4. Present Use: residential
***B5. Architectural Style:** Pueblo Revival
***B6. Construction History:** (Construction date, alteration, and date of alterations) Original construction, c1926
Rear addition, 1951 – 1956
Carport constructed, 1970s
Original wood sash windows replaced, 2008
Fenestration pattern altered with removal/replacement of decorative main façade window assemblage, decorative wood beams removed from front and side elevations, c2022

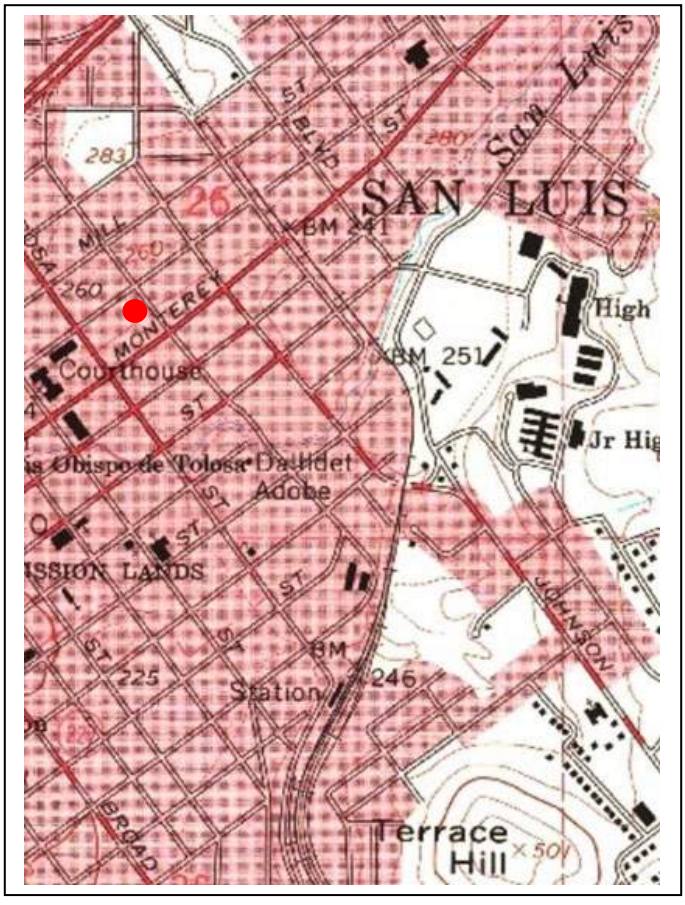
***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** _____ **Original Location:** _____
***B8. Related Features:** _____
B9. Architect: _____ b. Builder:
***B10. Significance: Theme** N/A **Area** N/A
Period of Significance N/A **Property Type** N/A **Applicable Criteria** N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

B11. Additional Resource Attributes: (List attributes and codes)
*B12. References:
(See Footnotes)
B13. Remarks:

***B14. Evaluator:** Kara Brunzell

***Date of Evaluation:** September 11, 2024

(This space reserved for official comments.)



***P3a. Description: (continued):**

Photograph 2: 969 Toro St, northwest elevation and carport, camera facing southwest, September 11, 2024.

Photograph 3: View from 969 Toro St looking across Toro St, camera facing northeast, September 11, 2024.

B10. Significance (continued):

San Luis Obispo

The original inhabitants in the area were the Salinans and Chumash. During Spanish settlement of California, Father Junipero Serra founded Mission San Luis Obispo de Tolosa in 1772. After Mexico won independence from Spain in 1821, the California missions were controlled by the Mexican government. In 1845, Mexican governor, Pio Pico sold Mission San Luis Obispo to John Wilson, a Scottish sea captain who had settled in California. During the 1846 Bear Flag Revolt, the Mission was used as a base for the California Battalion under John Fremont. Starting in the mid-nineteenth century, the main industry in the area was dairy and cattle farming. In 1868, San Luis Obispo became the county seat. Around that time, stagecoach routes were established and by the 1890s the Southern Pacific Railroad lines also accessed the area, leading to further development.[1]

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Mill Street Historic District

Established in 1987, the 20-acre Mill Street Historic District is bounded by Peach Street to the north, Palm Street to the south, Pepper Street to the east, and Toro Street to the west. It is one of five historic districts in San Luis Obispo and has the highest concentration of district contributors. There are 84 contributing historic properties within the Mill Street District. Most of the modest residences were built in the early-twentieth century (period of significance 1900 – 1920s) during a population boom. They are examples of Craftsman Bungalow, Victorian-era, Mission Revival, and Tudor Revival architecture. The mostly one- and two-story houses have front porches, recessed entries, and a 20-foot setback from the street. Many were originally owned by county officials who worked in the nearby courthouse.[5]

969 Toro Street

The building at 969 Toro Street was constructed about 1926. It is located at the edge of the Mill Street Historic District, near its southwest boundary, but is outside the district. The first known owners of the current house were James and Vittoria Luchessa, originally from

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[1] Office of Historic Preservation, "San Luis Obispo de Tolosa," California State Parks, Accessed Sep. 22, 2024; Mission San Luis Obispo, "History," Accessed Sep. 22, 2024, https://missionsanluisobispo.org/visit/; Alexander Forbes, *California: A History of Upper and Lower California,* Cornhill London: Smith, Elder and Co., 1839; Historic Resources Group, "City of San Luis Obispo Citywide Historic Context Statement," Sep. 30, 2013, 13.

[2] Historic Resources Group, "City of San Luis Obispo Citywide Historic Context Statement," Sep. 30, 2013, 14-15.

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[4] Historic Resources Group, "City of San Luis Obispo Citywide Historic Context Statement," Sep. 30, 2013, 115, 125; United States Census Bureau, "San Luis Obispo," Accessed, Sep. 30, 2024.

[5] San Luis Obispo County, "5.2.4 Mill Street Historic District," Accessed Oct. 2, 2024; 47-50; Historic Resources Group, "City of San Luis Obispo Citywide Historic Context Statement," Sep. 30, 2013; City of San Luis Obispo, Map of Historic Resources, Accessed Oct. 2, 2024, https://slocity.maps.arcgis.com/apps/dashboards/7975e61ef859427392182c62843aa011.

Switzerland, who purchased the property (which held an older house) in 1920. The Luchessas and their descendents would live in the house for many decades. James Luchessa (1863-1931) married Vittoria Antognozzi Antoneta (1867-1954) in San Luis Obispo in 1892. James Luchessa worked as a dairy rancher until 1918. According to the local newspaper, in 1929, they remodeled the residence, constructing an addition. The details of this project are unknown. They lived in the house until James Luchessa's death in 1931. Afterwards, the property was passed onto their children and grandchildren. Their daughter, Irene Luchessa Rogers (1894-1922) left behind her three young children behind when she died at the age of 28. Irene's husband, San Simeon carpenter Clarence Rogers, was apparently unable to care for the children. Her sister, Linda Luchessa Hampton (1904-2007), who was a teenager at the time, quit high school to raise them with the help of grandparents James and Vittoria. She trained as a cosmetologist and by 1930 had opened her own shop. In 1930 Linda lived in the house with her parents and all three children. Later that year, Linda married railroad blacksmith and mechanic Stuart Hampton (1896-1966), who also moved into the house.[6]

By 1940, seven members of the three-generation family were living in the tiny house: the widowed 72-year-old Vittoria, Linda and her husband Stuart, Irene Rogers' three children (who were by this time 18, 19, and 20), and 12-year-old Bradley Phillips, another grandchild. Rogers' son, Ellard Rogers (1920-1984) served in the US Army Air Corps group during World War II and the US Air Force during the Korean War, before retiring in 1968. He married Ludie Coleman in 1941, just before entering the Army, moving out of the subject property.[7]

By 1950, the Rogers children all had their own homes, and Stuart and Linda Hampton lived on the property with Vittoria and their daughter Doris, who was born in 1941. During this era, an addition at the rear of the house was constructed. Linda Hampton worked as a cosmetologist and had her own salon in the area. Stuart Hampton died at the home on Toro Street in 1966.[8]

In the 1960s, Wilmer Rogers (1921-1972) moved back to the property. He had married Geraldine Tomasini (1923-2001) in 1942. Both Wilmer and Geraldine Rogers were in the United States military during World War II. Wilmer probably moved in with Linda after Stewart's death in 1966. In the 1970s, the family had a carport constructed on the property. Wilmer died in 1972. Linda Hampton appears to have lived on at the subject property until her death.[9]

In 2007, the house was listed for sale. In 2008, the house was remodeled slightly with the replacement of the original wood-sash windows. In 2022, the windows were altered again, and decorative wood beams were removed from front and side elevations.

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[6] U.S. Federal Census, San Luis Obispo, California, "Luchessa," 1920; *The Tribune,* "More Homes to be Built," Jun. 4, 1929, 3; *The Tribune,* "Jas. Luchessa Services Held," Jun. 1, 1931, 8.

[7] *The Tribune,* "Lost and Found," May 10, 1940, 4; *Arroyo Grande Valley Herald Recorder,* "Annexation Election Set," Jul. 4, 1958, 8; *The Californian,* "San Luis Obispo Couple Married Here," Dec. 27, 1930, 4; *The Tribune,* "Plans July Wedding Rites," Jun. 18, 1941, 2; *The Tribune,* "Ellard Theodore Rogers," Oct. 10, 1984, 13.

[8] *The Tribune,* "S. E. Hampton," Apr. 19, 1966, 10; *The Tribune,* "Linda Luchessa Hampton," Mar. 15, 2007, 10.

[9] *The Tribune,* "Vital News," Jun. 11, 1942, 6; *The Tribune,* "Women on Duty with U.S. Armed Forces," May 28, 1945, 2; *The Tribune,* "Deaths: Rogers," Nov. 23, 1972, 2.

Figure 1: 969 Toro St, 1989 (*History Center of San Luis Obispo County*).

Evaluation:
The NRHP and CRHR require that a significance criterion from A-D or 1-4 (respectively) be met for a resource to be eligible.

Criterion A/1: The residential property at 969 Toro Street is not associated with events that have made a significant contribution to the broad patterns of our history. The property is generally associated with the residential development of San Luis Obispo in the early twentieth century. Research has not revealed that the property is significant within that or any other historic context. Therefore, the property is recommended ineligible to the NRHP or CRHR under Criterion A/1.

Criterion B/2: The property is not associated with the life of persons important to our history. The families that lived on the property were not significant contributors to San Luis Obispo's development, and research has revealed no important professional accomplishments or lasting impact on local history or on agriculture. It was a house that provided shelter for ordinary working people: a cosmetologist, dairy rancher, blacksmith/mechanic, and veterans. Therefore, the property lacks the strength of association required for eligibility under Criterion B/2. The property is recommended ineligible to the NRHP or CRHR under Criterion B/2.

Criterion C/3: The property is not significant for its architecture. Research has revealed no evidence that it was designed by an architect. While the building exhibits some elements of the Pueblo Revival architecture, it is not a significant example of the style. It does not exhibit the design elements present in architectural landmarks. Furthermore, original features such as decorative wood beams and wood-sash windows have been removed. For these reasons, the property lacks the significance and integrity required for historic listing and is recommended ineligible to the NRHP or CRHR under Criterion C/3.

Criterion D/4: In rare instances, buildings themselves can serve as sources of important information about historic construction materials or technologies and be significant under Criterion D/4. 969 Toro Street is an example of well-understood types of construction and does not appear to be a principal source of important information in this regard.

The property is recommended ineligible for listing on the NRHP or CRHR. It does not qualify as a historical resource under CEQA.

Appendix D

Geotechnical Investigation Report – San Luis Obispo Courthouse

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New San Luis Obispo Courthouse
Initial Study / Mitigated Negative Declaration

GEOTECHNICAL INVESTIGATION REPORT
San Luis Obispo Courthouse
1144 Monterey Street
San Luis Obispo, California

Prepared For:

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3 March 2025
750680202

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San Luis Obispo Courthouse
1144 Monterey Street
San Luis Obispo, California

1.0 INTRODUCTION

This report provides the results of our geotechnical investigation at 1144 Monterey Street in San Luis Obispo, California. Our scope of services for the Site Acquisition Phase of the San Luis Obispo Courthouse project was outlined in a document provided by the project architect, Moore Ruble Yudell (MRY), via email on 6 December 2022. Previously, we performed a preliminary geotechnical investigation for the project and presented our findings in a preliminary report dated 12 May 2023. This report compiles the available geotechnical subsurface information obtained to date and supersedes our previous report.

The location of the site is shown on Figure 1. The site is bound by Monterey palm Alley and a residential property on the northwest, Toro Street on the northeast, Monterey Street on the southeast, and an existing two-story building and a parking lot on the southwest, as shown on Figure 2. The site is irregular in shape, with maximum north-south dimensions of approximately 225 feet and east-west dimensions of approximately 350 feet. The central portion of the site is occupied by an L-shaped structure consisting of several interconnected, one- to two-story commercial buildings surrounded by paved parking lots. The central portion of the existing structure includes a basement. The northeastern portion of the site is occupied by a single-story residence and driveways.

We understand that project will include demolition and removal of the existing improvements and construction of a new courthouse. Based on conversations with MRY and preliminary site fit diagrams[1], the proposed courthouse building will be five stories at grade, with the ground floor level cut into the sloping topography to the north. The lateral extent of the structure has not been finalized; however, we understand the entire ground level of the south building face and at least 50 percent of the east and west building faces will daylight at the existing ground surface elevation of Monterey Street to the south and Toro Street to the east.

[1] Moore Ruble Yudell (2023). "New San Luis Obispo Courthouse, Site Selection Presentation."

We understand that the development will include a gated loading area. A secured parking area and sallyport are proposed at the southwest corner of the property, west of the courthouse building. Finished floor elevations and building loads were not available at the time of writing.

2.0 SCOPE OF SERVICES

The objectives of our investigation were to evaluate subsurface conditions at the site by reviewing existing data and performing a subsurface investigation, and to develop geotechnical conclusions and recommendations regarding:

- soil, rock, and groundwater conditions at the site
- site seismicity and seismic hazards, including liquefaction, seismic densification, and lateral spreading
- site geology and geologic hazards
- the most appropriate foundation type(s) for the proposed courthouse
- design criteria for the recommended foundation type(s), including vertical and lateral capacities
- estimates of building settlement, including total and differential settlements
- excavation
- cut slopes and temporary shoring for excavation support
- estimated foundation settlements, including total and differential settlements
- permanent below-grade walls and retaining walls
- concrete flatwork and flexible pavement
- site grading, including criteria for fill quality, fill placement, and compaction
- subgrade preparation and moisture protection for floor slabs
- corrosion potential of near-surface soil
- underground utilities
- mapped seismic design parameters in accordance with the 2022 California Building Code, including site classification, mapped values S_S and S_1, modification factors F_A and F_V, and S_{MS} and S_{M1}

- probabilistic seismic hazard analysis (PSHA) and deterministic analysis to develop site-specific respond spectra for the Risk-targeted Maximum Considered Earthquake (MCE_R) and Design Earthquake (DE) per the 2022 CBC and by reference ASCE 7-16

- construction considerations.

This geotechnical report is based on Langan's investigations and interpretation of the site subsurface conditions and is intended to be included with the project's criteria documents. The design-build entity (DBE) contracted to complete the project should retain a qualified geotechnical engineer to provide the following services: 1) perform an independent geotechnical investigation and prepare a design-level geotechnical report; 2) consult with the DBE as questions arise during design; 3) assist in preparing specification sections related to geotechnical issues such as earthwork, foundations, and excavation support; 4) review the project plans and Contractor submittals relating to materials and construction procedures for geotechnical work; and 5) check that the design incorporates the intent of project geotechnical recommendations. During construction, the DBE's geotechnical engineer should also provide quality assurance confirmation and perform special inspections per the Building Code for earthwork, backfill, and installation of foundations.

Langan is also performing a Phase II environmental site assessment (ESA) for the project, the results of which will be presented under separate cover. The Phase II ESA included drilling seven environmental borings at the site.

3.0 FIELD EXPLORATION AND LABORATORY TESTING

This section summarizes our geotechnical field exploration and laboratory testing programs.

3.1 Borings

To investigate the subsurface conditions at the site, we drilled eleven borings in the existing parking lots at the site. The approximate locations of the borings are presented on Figure 2. The borings were drilled during two mobilizations: one for our preliminary geotechnical investigation in February 2023 and one for our final investigation in August 2024. Prior to performing our field investigations, we obtained drilling permits from the County of San Luis Obispo Health Agency (Environmental Health Services Division), notified Underground Service Alert (USA), and checked that the drilling locations were clear of underground utilities using an independent private utility locator.

The borings were drilled using a truck-mounted drill rig equipped with hollow-stem augers operated by Exploration Geoservices, Inc. of San Jose, California. Borings B-1 through B-5 were drilled on 27 and 28 February 2023. During the drilling of boring B-4 loose sand was encountered that appeared to be abandoned trench backfill to a depth of 5 feet below the existing ground surface (bgs). Drilling was terminated, the borehole was backfilled with cement grout, and the boring was redrilled approximately two feet to the southeast (toward Monterey Street) from the original location. Borings B-6 through B-10, and P-1, were drilled on 22 and 23 August 2024. Drilling of boring B-6 was attempted in several adjacent locations and encountered shallow refusal in bedrock at a depth of about 3½ feet bgs. The other borings were drilled to depths of approximately 10 to 50 feet beneath the existing ground surface (bgs). A percolation test was performed in boring P-1.

Upon completion of drilling at boring B-9(MW), a standpipe piezometer was installed to measure groundwater levels. The remaining borings were backfilled with cement grout for borings that did not encounter groundwater and bentonite/cement grout for borings that encountered groundwater, in accordance with the requirements of the County of San Luis Obispo. The soil cuttings from the borings were collected in 55-gallon drums, which were stored temporarily on-site, tested, and eventually properly disposed.

Logs of the borings are presented in Appendix A as Figures A-1 through A-11. The soil and rock encountered in the borings was classified in accordance with the soil and rock classification charts presented on Figure A-12 and Figure A-13, respectively.

Soil samples were obtained using one of two samplers:

- Sprague & Henwood (S&H) split-barrel sampler with a 3.0-inch outside diameter and 2.5-inch inside diameter, lined with steel or brass tubes with an inside diameter of 2.43 inches
- Standard Penetration Test (SPT) split-barrel sampler with a 2.0-inch outside diameter and 1.38-inch inside diameter.

The sampler types were chosen based on the soil type being sampled and desired sample quality for laboratory testing. In general, the S&H sampler was used to obtain samples in cohesive soil and the SPT sampler was used to evaluate the penetration resistance of sandy soil.

The SPT and S&H samplers were driven with a 140-pound, above-ground, automatic hammer falling 30 inches. The samplers were driven up to 18 inches and the hammer blows required to

drive the samplers every six inches of penetration were recorded and are presented on the boring logs. The driving of samplers was discontinued if the observed (recorded) hammer blows was 50 for six inches or less of penetration. The blow counts required to drive the S&H and SPT samplers 12 inches (or less if 50 blows were achieved) were converted to approximate SPT N-values using factors of 0.8 and 1.3, respectively. The N-values are shown on the boring logs. The blow counts used for this conversion were: 1) the last two blow counts if the sampler was driven more than 12 inches, 2) the last one blow count if the sampler was driven more than six inches but less than 12 inches, and 3) the only blow count if the sampler was driven six inches or less. A summary of the borings is presented in Table 1.

TABLE 1
Summary of Borings

Boring	Approximate Ground Surface Elevation[1] (feet, NAVD88)	Total Depth (feet)	Depth to Groundwater Measured during Drilling (feet)	Groundwater Elevation (feet, NAVD88)	Date of Exploration
B-1	238.5	11.5	N/A[2]	N/A	2/27/23
B-2	233.5	50.5	N/A	N/A	2/27/23
B-3	227.5	31.0	9.0	218.5	2/27/23
B-4	225.5	30.5	6.5	219	2/28/23
B-5	229.5	31.5	N/A	N/A	2/28/23
B-6	238.2	3.7[3]	N/A	N/A	8/23/24
B-7	229.2	21.5	N/A	N/A	8/22/24
B-8	225.4	30	N/A	N/A	8/22/24
B-9(MW)	232.9	30.8	N/A	N/A	8/23/24
B-10	225.9	36.2	N/A	N/A	8/22/24 to 8/23/24
P-1	225.6	10	N/A	N/A	8/22/24

Notes:

1) Ground surface elevations are based on a topographic survey by DRG, Inc. dated 30 September 2024, as commissioned by Sherwood Design Engineers, the project civil engineer, and reference North American Vertical Datum of 1988 (NAVD88).
2) N/A indicates that groundwater was not encountered during drilling.
3) Drilling refusal was encountered in bedrock.

3.2 Laboratory Testing

The soil and rock samples recovered from the borings were re-examined in the office to confirm classifications, and representative samples were selected for laboratory testing to evaluate

engineering properties. Samples were tested to measure moisture content, dry density, gradation, fines content, Atterberg limits, expansion index, shear strength, and resistance value (R-value). Results of the geotechnical laboratory tests are included on the boring logs and in Appendix B.

Samples from the borings were also retained for analytical testing for our Phase II ESA; the analytical test results are presented in a separate report.

3.3 Soil Corrosivity Testing

Additional laboratory testing was performed to evaluate the corrosivity of the near-surface soils. The results of the corrosivity analyses and a brief corrosivity evaluation by CERCO Analytical, Inc. are presented in Appendix C.

3.4 Preliminary Naturally Occurring Asbestos Testing

Limited laboratory testing was performed in 2023 to evaluate the presence of naturally occurring asbestos (NOA) within bedrock at the site. The results of the limited NOA testing performed in 2023 are presented in Appendix C. Additional evaluation of NOA and serpentinite in the subsurface soil and bedrock was completed by Langan in 2024 as part of the Phase II Environmental Site Assessment (ESA) performed for the site and presented under separate cover.

3.5 Seismic Refraction Survey

To further evaluate the depths of bedrock and develop bedrock elevation contours, we retained Terracon Geophysical Services to perform two seismic refraction surveys at the site. The surveys were performed on 23 August 2024 at the locations shown on Figure 2. The methodology and results of the surveys are presented in Appendix D.

4.0 SITE AND SUBSURFACE CONDITIONS

4.1 Site Conditions

The ground surface at the site generally slopes down from northwest to southeast, from approximately Elevation 240 feet[2] in the northwest corner of the site to about Elevation 224 feet in the southeast corner of the site, at an inclination of about 12:1 (horizontal:vertical). The central

[2] Elevations discussed in this report are based on North American Vertical Datum of 1988 (NAVD88).

portion of the site is occupied by several interconnected, one- and two-story buildings, and paved surface parking lots. The central portion of the southern wing of the existing structure includes a basement with plan dimensions of about 30 by 45 feet and a finished floor about eight feet below the adjacent parking lot grade (approximately 4 feet below the Monterey Street sidewalk grade), according to available drawings (County of San Luis Obispo, 1994). A one-story residence, carport, and driveway are located on an adjacent parcel in the northeast portion of the site.

Based on a letter report titled, "Post-Remediation Groundwater Monitoring Results – February 2015, Former Kimball Motors, 1144 Monterey Street, San Luis Obispo," by Stantec Consulting Services dated 25 March 2015, three underground storage tanks were formerly located in the parking lot areas to the south and east of the existing buildings. We understand the tanks have been excavated and removed from the site, with the excavations backfilled with soil.

4.2 Subsurface Conditions

The results of the borings and seismic refraction surveys performed during our geotechnical investigations indicate the site is generally underlain by about 2 to 24½ feet of soil (likely alluvial deposits), underlain by bedrock. The bedrock surface generally slopes down in elevation from the north and northwest portions of the site toward the south and southeast; approximate top-of-bedrock elevation contours are presented on Figure 3.

The soil at the site generally consists of stiff to very stiff clay with variable amounts of sand and gravel, medium dense to very dense gravel with variable amounts of clay, silt, and sand, and medium dense to dense sand with variable amounts of clay and gravel. About two feet of stiff clayey fill was encountered in boring B-3 and about 3½ feet of medium dense clayey sand with gravel fill was encountered in boring B-8 below the pavement section. Loose sand fill was also encountered to a depth of about 5 feet bgs in the original location for boring B-4. Fill is also present at the former underground storage tank locations. It is not known whether the fill at the site was placed in a controlled (compacted) manner. Atterberg limits tests and expansion index testing performed on the near-surface soil indicate that it has low to very high expansion potential[3], with plasticity indices ranging from 12 to 42 and expansion indices of 78 and 86.

The bedrock consists of Franciscan Mélange shale, sandstone, siltstone, greenstone, and serpentinite. The results of the seismic refraction surveys performed at the site (Appendix D) indicate the bedrock at the site has seismic velocities ranging from about 5,000 to 8,000 feet per

[3] Highly expansive soil undergoes large volume changes with changes in moisture content.

second (fps); the seismic velocity of the bedrock increases as its depth increases. Within rock, higher seismic velocities typically correspond to harder materials that are less fractured and weathered. Conclusions regarding the rippability of bedrock at the site are discussed in Section 7.5.

Serpentinite bedrock and serpentinite inclusions were encountered in some of the borings drilled during this investigation. We understand that serpentinite rock was also encountered at a depth of about 8 feet during remediation work performed at the site in 2014. Samples of greenstone bedrock within a sheared serpentinite matrix from boring B-4 were tested in 2023 to preliminarily evaluate asbestos content. Asbestos was not detected above laboratory reporting limits in the samples analyzed. The potential for NOA at the site is discussed further in Langan's Phase II ESA report dated 20 December 2024.

As summarized in Table 1 (Section 3.1), groundwater was encountered during drilling of two of the geotechnical borings at about 9 feet bgs (about Elevation 218.5 feet) in boring B-3 and at 6.5 feet bgs (about Elevation 219 feet) in boring B-4 in February 2023. Groundwater was not encountered in the August 2024 geotechnical borings. Groundwater was encountered in one of the seven environmental borings which were drilled to depths up to 15 feet bgs in August 2024 for our Phase II ESA; boring EB-1 encountered groundwater at a depth of about 4 feet bgs (about Elevation 225.8 feet). The groundwater levels measured during drilling were not stabilized.

Stabilized groundwater levels were measured in existing groundwater monitoring wells at the site (MW-1 and MW-6) and in piezometer B-9(MW) during our site visits in 2024 and 2025 and are summarized in Table 2. Based on the estimated depth to bedrock at these locations, our measurements indicate that groundwater is perched between 2 and 5 feet above the top of bedrock. Historic data[4] from MW-1 and MW 6 indicate groundwater can be as shallow as about 1.0 to 3.9 feet bgs. Groundwater likely flows within fractures and sand seams in the bedrock and could be observed near the ground surface where bedrock is shallow.

[4] "Post-Remediation Groundwater Monitoring Results, February 2015, Former Kimball Motors" by Stantec Consulting Engineers, dated 25 March 2015.

TABLE 2
Summary of Stabilized Groundwater Levels

Monitoring Well/Piezometer ID	Approximate Ground Surface Elevation[1] (feet, NAVD88)	Measurement Date	Depth to Groundwater (feet)	Groundwater Elevation (feet, NAVD88)	Approximate Bedrock Elevation (feet, NAVD88)
MW-1	228.5	8/23/2024	3.3	225.2	223
		12/30/2024	3.4	225.1	
		2/6/2025	3.0	225.5	
MW-6	229.5	8/23/2024	3.7	225.8	222
		12/30/2024	3.1	226.4	
		2/6/2025	3.6	225.9	
B-9(MW)	232.9	8/23/2024	N/A	N/A	219.4
		12/30/2024	10.3	222.6	
		2/6/2025	8.7	224.2	

Notes:

1) Ground surface elevations are based on a topographic survey by DRG, Inc. dated 30 September 2024, as commissioned by Sherwood Design Engineers, the project civil engineer, and reference North American Vertical Datum of 1988 (NAVD88).
2) N/A indicates that groundwater was not encountered during installation of the piezometer.

4.3 Percolation Testing

We performed an in-situ percolation test at the site on 23 August 2024 at the approximate location (boring P-1) shown on Figure 2. The test location and depth were selected by Langan with input from MRY and Sherwood Design Engineers, the project civil engineer. The test was performed in an 8-inch-diameter boring that was drilled to a depth of 10 feet bgs. A 2-inch-diameter PVC casing was inserted into the borehole, and the borehole was filled with water and allowed to presoak for 24 hours. After the presoak period was complete, water level readings were measured every thirty minutes for three hours. The water level readings were used to determine a stabilized percolation rate for the soil, which was calculated to be 1/8 inch per hour.

5.0 REGIONAL GEOLOGY AND SEISMICITY

5.1 Regional Geology

The subject site is located at the southern end of the Coast Ranges geomorphic province of California. The Coast Ranges extend from Santa Barbara County along the California coast into Oregon and are comprised of relatively low, northwest-trending mountain ranges and valleys that

run subparallel to the San Andreas fault (CGS, 2002). The Coast Ranges are composed of thick Mesozoic and Cenozoic sedimentary strata dominated by the Franciscan Complex, a landslide-prone, generally weakly metamorphosed basement complex. Subduction of oceanic crust associated with the Farallon tectonic plate formed the Franciscan Complex along the western margin of the North American tectonic plate during the Mesozoic Era.

The majority of the City of San Luis Obispo is in a relatively shallow, alluvium-filled valley surrounded by hills comprised of Tertiary-aged intrusive and extrusive volcanic deposits, Miocene-aged marine sedimentary rocks of the Monterey formation, and Franciscan Complex basement rocks.

Our review of a published geologic map for the San Luis Obispo 7.5-minute quadrangle (Wiegers, 2010) indicate that the site and adjacent areas are underlain by Jurassic-aged Franciscan Mélange bedrock, described as a sheared rock mass matrix encompassing resistant blocks of various rock types. Within the site vicinity, the matrix is typically composed of shale or crushed metasandstone. Typical blocks range in size from approximately one foot to several thousand feet in diameter and include greywacke sandstone, conglomerate, chert, greenstone, serpentinite, and blueschist (Wiegers, 2021).

These bedrock conditions were generally confirmed during our investigations. A regional geologic map for the site vicinity is provided on Figure 4.

5.2 Regional Seismicity and Faulting

The project site is in a seismically active region. Numerous earthquakes have been recorded in the region in the past, and moderate to large earthquakes should be anticipated during the service life of the proposed development. The major active faults in the area are the Oceanic – West Huasna, Los Osos, Rinconada, San Luis Bay, and San Luis Range faults. These and other faults of the region are shown on Figure 5. For each of the active faults within about 60 kilometers (km) of the site, the distance from the site and estimated mean characteristic Moment magnitude[5] [2014 Working Group on California Earthquake Probabilities (WGCEP) (2015) and Uniform California Earthquake Rupture Forecast Version 3 (UCERF3) as detailed in the United States

[5] Moment magnitude is an energy-based scale and provides a physically meaningful measure of the size of a faulting event. Moment magnitude is directly related to average slip and fault rupture area.

Geological Survey Open File Report 2013-1165] are summarized in Table 2. The mean Moment magnitude presented on Table 3 was computed assuming full rupture of the segment using Hanks and Bakun (2008) relationship.

TABLE 3
Regional Faults and Seismicity

Fault Segment	Approx. Distance from fault (km)	Direction from Site	Mean Characteristic Moment Magnitude
Los Osos	4.6	Southwest	6.9
Oceanic - West Huasna	4.6	Northeast	7.0
Rinconada	13	Northeast	7.1
San Luis Bay	13	South	6.2
San Luis Range	13	Southwest	7.0
San Luis Range (So Margin)	14	Southwest	7.3
East Huasna	15	Northeast	7.1
Shoreline	17	Southwest	6.4
San Luis Range - Oceano	18	Southeast	6.4
San Luis Range - Pecho	21	Southwest	6.5
La Panza	24	Northeast	7.1
Hosgri	25	Southwest	7.5
South Cuyama	29	East	7.2
Casmalia	35	South	6.7
Lions Head	44	South	6.9
San Juan	45	Northeast	7.1
Hosgri (Extension)	48	South	6.3
San Andreas (Cholame)	58	Northeast	6.9

Note: The table above is a summary and does not include all the fault segmentation, alternate traces and low activity faults included in the UCERF3 model.

A search of the USGS ANSS Comprehensive Earthquake Catalog (ComCat), using the web-based Earthquake Archive Search and URL Builder tool, found that as of 4 October 2024, 23 earthquakes with magnitudes greater than or equal to 5.0 have occurred within a 100-km radius of the site since 1800. The approximate earthquake epicenter locations identified through this database search are provided on Figure 5.

In 1830, an earthquake with an estimated magnitude of 6.0 occurred near San Juan Bautista, California, approximately 7½ km north of the site. The Fort Tejon earthquake of 1857 was an

earthquake with an estimated maximum intensity of IX on the Modified Mercalli (MM) scale (Figure 6) and an estimated magnitude of 7.9.[6] The epicenter of this earthquake occurred on the San Andreas fault approximately 57 km northeast of the site.

The most recent major earthquake within 100 km of the site occurred on 29 September 2004 near Parkfield, California, with an epicenter approximately 76 km northeast of the site. The magnitude of this earthquake was 5.0.

6.0 SEISMIC AND GEOLOGIC HAZARDS

We evaluated the potential for geologic and seismic hazards to occur at the site in general accordance with California Geological Survey (CGS) Special Publication 117A, "Guidelines for Evaluating and Mitigating Seismic Hazards in California." The County of San Luis Obispo maintains a liquefaction susceptibility and landslide hazard-mapping database for use in seismic and geologic hazards evaluations. This database was last updated in August 2020 and was used to generate Figure 7 (Regional Seismic Hazard Zones Map). The results of our evaluation are summarized in the sections below.

6.1 Fault Rupture

Historically, ground surface fault ruptures closely follow the traces of geologically young faults. The site is not within an Earthquake Fault Zone, as defined by the Alquist-Priolo Earthquake Fault Zoning Act[7], and no active or potentially active faults exist on the site. In a seismically active area, the remote possibility exists for future faulting to occur in areas where no faults previously existed; however, we conclude the risk of surface faulting and consequent secondary ground failure at the site is low.

6.2 Landslides

The ground surface at the site generally slopes down from northwest to southeast at an average inclination of about 12:1. The County of San Luis Obispo has prepared a map that depicts landslide risk in the County of San Luis Obispo, dated August 2020. This map indicates that the

[6] Per Sieh, K., 1978.

[7] The Alquist-Priolo Act zones certain faults which are known to be active. The CGS defines active as having recorded movement within Holocene time, or within the last 11,700 years.

site is located at least 4,500 feet away from landslide risk zones located both east and west of the site, as shown on Figure 7. Based on our review of a geologic map of the San Luis Obispo quadrangle, there are no landslide deposits mapped within or near the site.

On the basis of our review of available geologic data, our subsurface investigations, and considering the gently sloping topography at and around the site, we conclude the potential for landsliding at the site is low.

6.3 Liquefaction and Associated Hazards

The site is in a seismically active area and could be subjected to strong shaking during a major earthquake during the service life of the project. Strong shaking during an earthquake can result in ground failures such as those associated with soil liquefaction[8], lateral spreading[9], and seismic densification[10]. Each of these conditions has been evaluated based on our review of available information and the results of our preliminary investigation and laboratory testing and is discussed in this section.

6.3.1 Liquefaction

When a saturated soil with little to no cohesion is shaken during a major earthquake, it can experience a temporary loss of shear strength because of a transient rise in excess pore water pressure, resulting in liquefaction. Flow failure, lateral spreading, differential settlement, loss of bearing, ground fissures, and sand boils are evidence of excess pore pressure generation and liquefaction. The County of San Luis Obispo has prepared a map depicting the relative liquefaction susceptibility in the County of San Luis Obispo, dated August 2020. This map indicates that the site is mapped within a "moderate potential" liquefaction potential hazard zone, as shown on Figure 6.

We evaluated liquefaction potential using the Boulanger and Idriss (2014) and Cetin et al. (2004) liquefaction triggering analysis methods, a site-modified peak ground acceleration (PGA_M) of

[8] Liquefaction is a phenomenon in which saturated (submerged), cohesionless soil experiences a temporary loss of strength because of the buildup of excess pore water pressure, especially during cyclic loading such as those induced by earthquake. Soils most susceptible to liquefaction are loose to medium dense sand and gravel, low plasticity silt, and some low plasticity clay deposits.

[9] Lateral spreading is a phenomenon in which surficial soil displaces along a shear zone that has formed within an underlying liquefied layer. Upon reaching mobilization, the surficial blocks are transported downslope or in the direction of a free face by earthquake and gravitational forces.

[10] Seismic densification (also referred to as cyclic densification or differential compaction) is a phenomenon in which non-saturated, cohesionless soil is densified by earthquake vibrations, causing ground surface settlement.

0.568g from our site-specific response spectra per Section 21.5 of ASCE 7-16, and SPT blowcounts from the hollow stem auger borings. We assumed a high groundwater level of 1 foot bgs in our analysis, based on the historical data from the on-site monitoring wells (see Section 4.2). Layers of medium dense clayey sand and clayey silty sand with variable gravel content about 2 to 7 feet thick were encountered in borings B-3, B-4, B-8, and B-9, and a 1½-foot thick layer of medium dense sand with clay and gravel was encountered in boring B-4. Based on our analyses, we conclude the clayey sand and clayey silty sand with variable gravel content have sufficient fines content and cohesion to resist liquefaction; however, the sand with clay and gravel encountered in boring B-4 could potentially liquefy during a major earthquake and could experience liquefaction-induced settlement.

The results of our evaluation indicate the potentially liquefiable soil at the site is thin and discontinuous, having been encountered in only one of eleven borings drilled at the site. We conclude that up to approximately ¼ inch of liquefaction-induced settlement could occur at the site during a major earthquake. Because the potentially liquefiable soil is not continuous, we judge that differential liquefaction-induced settlement equivalent to the total settlement (¼ inch) could occur over short distances.

6.3.2 Seismic Densification

Seismic densification can occur during strong ground shaking in loose, granular deposits above the water table, resulting in ground surface settlement. In general, the soil encountered above the high groundwater level is sufficiently dense and/or cohesive, and we judge the potential for seismic densification to occur during a major earthquake is low.

6.3.3 Lateral Spreading

Lateral spreading is a phenomenon in which a surficial soil displaces along a shear zone that has formed within a continuous underlying liquefied layer. The surficial blocks are transported downslope or in the direction of a free face, such as a channel, by earthquake and gravitational forces. Lateral spreading is generally the most pervasive and damaging type of liquefaction-induced ground failure generated by earthquakes.

According to Youd, Hansen, and Bartlett (1999), for significant lateral spreading displacements to occur, the soils should consist of saturated cohesionless sand with corrected blowcounts [$(N_1)_{60}$] less than 15, where liquefaction is likely to occur based on standard liquefaction analysis. The

soil layer encountered at the site that is potentially susceptible to liquefaction is thin, discontinuous, and has a corrected $(N_1)_{60}$ blowcount exceeding 15. We therefore judge the potential for lateral spreading at the site is low.

7.0 DISCUSSION AND CONCLUSIONS

We conclude the planned development is feasible from a geotechnical standpoint. The primary geotechnical considerations for the project are:

- the presence of expansive soil
- the potential for groundwater to be encountered within excavations
- the presence of undocumented fill encountered in borings B-3 and B-8
- the presence of a basement below a portion of the existing building
- selection of an appropriate foundation system to support the buildings without excessive static and differential settlements.

Our preliminary conclusions and recommendations regarding these and other geotechnical considerations are discussed in this section.

7.1 Expansive Soil

Expansive soil is subject to high volume changes during seasonal fluctuations in moisture content. These volume changes can cause cracking of foundations, floor slabs, and exterior concrete flatwork. Potentially expansive soils are defined by the 2022 CBC as soils with expansion indices (EI) greater than 20. Furthermore, moderately to very highly expansive soils have plasticity indices (PI) exceeding 15.

Where tested, the plasticity index (PI) of the near-surface soil generally ranged from 23 to 37 (moderate to high expansion potential), except for one sample with a PI of 12 (low expansion potential) and one sample with a PI of 42 (very highly expansive). The results of EI tests were 78 and 86. The very highly expansive soil was encountered in boring B-5 in an area of the site that we anticipate will be excavated for construction of the building. In this area, the finished floor and foundations will be below the zone of moisture change. Therefore, we recommend that the project design be based on the presence of moderately to highly expansive soil conditions with plasticity indices generally between 23 and 37.

Foundations, floor slabs, and exterior concrete flatwork that gain support in expansive soil should be designed and constructed to resist the effects of the expansive soil. These effects can be mitigated by moisture conditioning the expansive soil prior to compaction, providing select, non-expansive fill below floor slabs and exterior concrete flatwork, and supporting foundations below the zone of severe moisture change.

7.2 Groundwater

We anticipate the groundwater level to vary seasonally. We reviewed the groundwater levels encountered in our borings during drilling and in our piezometer, as well as new and historical data available for monitoring wells at the site. Piezometer and monitoring well measurements taken by Langan in December 2024 and February 2025 indicate the depth to the groundwater table generally varies between about 3 and 10 feet bgs, with seasonal fluctuations of up to 1½ feet, as summarized in Tables 1 and 2. Historic data from the monitoring wells indicates groundwater can be as shallow as about 1.0 to 3.9 feet bgs.

In December 2024 and February 2025, groundwater was encountered between about 2 and 5 feet above the interface between soil and bedrock. Therefore, we conclude that groundwater is likely perched on the sloping bedrock at the site. The depth to top of bedrock is variable across the site and in some areas is within three feet of the ground surface. We judge a groundwater depth of 1 foot below the existing ground surface is appropriate for design. To protect against moisture transmission, below-grade walls and the floor slab or mat will need to be waterproofed.

The foundations for the courthouse building will need to be designed to resist permanent hydrostatic uplift forces associated with the design groundwater level at 1 foot bgs, or permanent subdrains should be installed below the floor slab to relieve the hydrostatic pressure. An underslab drainage system consists of a layer of gravel below the mat or floor slab with a series of perforated pipes within the gravel blanket or in underlying trenches. Water is collected in the subdrain system and pumped to a suitable outlet, such as a storm drain. The water may need to be filtered through a sand trap system before it is discharged to the storm drain.

7.3 Corrosion Potential

CERCO Analytical, Inc. performed tests on one soil sample from the site to evaluate corrosion potential to buried metals and concrete. Test results from this evaluation are included in

Appendix C; they indicate the soil is corrosive to metals and concrete. For recommendations regarding the corrosion protection of buried metals and concrete, a licensed corrosion consultant should be retained.

7.4 Foundations and Settlement

We understand that the proposed courthouse building will be five stories, with the north face ground floor level cut into the existing topography. The bottom floor is anticipated to daylight approximately at the existing ground surface elevation along Monterey Street. We anticipate the excavation for the proposed courthouse will expose both soil and bedrock.

Structural loading estimates were not available at the time of writing. For our evaluation, we assumed dead plus live column loads of 900 kips for the courthouse. Column spacing was assumed to be 30 feet by 30 feet for our static settlement evaluation.

7.4.1 Shallow Foundations

Based on the anticipated finished floor elevation, soil will be exposed in the southern portion of the building footprint and bedrock will be exposed in the northern portion of the footprint, except in the footprint of the existing basement. The existing basement extends below the anticipated depth of new foundations. To provide adequate support where the basement is demolished, the basement will need to be backfilled with suitable material, which can consist of controlled density fill (CDF) or lean concrete.

Fill was encountered in some of the borings. Foundations should not be supported in existing fill because it is not known whether the material was compacted; it is variable in its consistency and density and could be susceptible to erratic static settlement. Where existing fill is encountered during construction, foundation excavations will need to be deepened to extend below the fill with overexcavations backfilled with CDF or lean concrete to the planned footing bottom, or the fill can be improved. Improvement of the fill can be accomplished by overexcavating and recompacting it.

We conclude the proposed structure can be supported on a shallow foundation, consisting of spread footings or a mat foundation bearing on stiff to very stiff clay, medium dense to very dense sand or gravel, engineered fill, bedrock, CDF, or lean concrete, provided:

- the foundation is designed to mitigate the presence of moderately to highly expansive soil

- total and differential settlement is acceptable
- variable springs where foundations bear on different material is acceptable
- site grading is performed per our recommendations.

For spread footings and mat foundations used for the at-grade portion of the building, where the finished floor will be within three feet of final adjacent exterior site grades and the foundation will bear on expansive soil, measures will need to be taken to mitigate the effects of moderately to highly expansive soil on the structure by deepening spread footings and providing a continuous deepened footing, grade beam, or thickened mat/slab edge at the building perimeter to reduce the potential for soil volume changes caused by surface water infiltrating beneath the at-grade floor slab/mat.

Using the assumed column loads, we estimate that properly designed and constructed spread footings or a mat bearing in stiff to very stiff clay or medium dense to very dense sand or gravel will settle up to 1 inch, with differential settlement of up to ½ inch over a horizontal distance of 30 feet. Static settlement of footings or a mat supported on competent bedrock should be less than ½ inch, with up to ¼ inch of differential settlement occurring over a horizontal distance of 30 feet. Differential settlement of about 1 inch should be anticipated over a short distance where foundations transition from areas where they bear in soil to areas where they bear in bedrock. The differential settlement can be reduced if footings are designed to bear uniformly in only soil or bedrock.

The courthouse foundations will need to be designed to resist permanent hydrostatic uplift forces, or permanent subdrains will need to be installed below the mat. Where the weight of the building and foundation elements are not sufficient to resist uplift, tiedown anchors can be used. The mat and/or floor slab should be protected from moisture transmission as recommended in Section 8.4.

7.4.2 Site Settlement at Areas with New Fill

In addition to the settlements induced by building loads, as described above, we conclude that engineered fill placed during site grading, if planned, also has the potential to settle, even if it is well compacted. We estimate the settlement of well-compacted select fill to be approximately 1 percent of the total fill thickness. Therefore, for engineered fills ranging from about 1 to 5 feet thick, we estimate ground surface settlements associated with the compression of the fill will

be up to ¾ inch. Differential settlement will depend on the uniformity of the fill thickness. Most of this settlement should occur during construction and during the first few months after completion of fill placement.

7.5 Construction Considerations

7.5.1 Site Grading

As previously discussed, the site is underlain by expansive soil. If the soil is exposed and allowed to dry during excavation for foundations and after subgrade preparation for pavements and flatwork, and it is not properly moisture-conditioned prior to placement of concrete, significant heave could occur as soil moisture levels increase after construction, which could damage overlying improvements. Therefore, it is essential to maintain moisture during construction. Typically, it is necessary to spray the exposed expansive soil with water on at least a daily basis to prevent drying.

If grading occurs during the rainy season, the clayey soil at the site may be too wet to achieve adequate compaction during fill placement and may deflect significantly under the weight of construction equipment. For these conditions, moisture conditioning may be required to lower the moisture content of the soil to a level that will promote proper compaction. Methods of moisture conditioning include mixing and turning (aerating) the soil to naturally dry the soil and lower the moisture content to an acceptable level, overexcavating the wet soil and replacing with drier material, and/or lime treatment. Aeration typically requires at least a few days of warm, dry weather to effectively dry the material.

7.5.2 Excavation

We anticipate the soil encountered at the site can generally be excavated with conventional earth-moving equipment such as loaders and backhoes. During excavation, debris, existing foundations, and concrete rubble may be encountered and should be removed. Hoe-rams, jackhammers, and other similar equipment may be needed to remove the existing basement floor and footings, as well as larger obstacles, if encountered.

The contractor will need to select equipment that is capable of excavating bedrock at the site. The results of the seismic refraction surveys performed at the site (Appendix D) indicate the bedrock at the site has seismic velocities ranging from about 5,000 to 8,000 fps; the seismic velocity of the bedrock increases as its depth increases.

Excavation charts produced by Caterpillar Tractor Company that correlate seismic velocity to site rippability indicate that bedrock with seismic velocities up to 6,000 fps is rippable with a CAT D8R/D8T bulldozer with a multi- or single-shank ripper. The results of the seismic refraction surveys indicate that the seismic velocities of the bedrock are generally less than 6,000 fps above Elevation 218 feet in the southwestern portion of the site and generally less than 6,000 fps above Elevation 225 feet in the northeastern portion of the site; therefore, we anticipate most of the excavation in rock for the northern portion of the courthouse ground floor level can be made using a large excavator or bulldozer with rippers. However, localized areas or deeper excavations in hard bedrock may require the use of a jackhammer or hoe ram for excavation. Ripping performance will depend on the bedrock bedding frequency, consolidation, intensity of fracturing and jointing of the rock mass, the condition of the equipment and the skill of the operator. Because of the highly fractured nature of the rock, there may be significant overbreak; it is unlikely smooth cuts can be made. Based on the subsurface conditions encountered during our investigations and our experience with other sites underlain by Franciscan assemblage bedrock, we anticipate blasting will not likely be necessary during construction.

Additionally, because serpentinite bedrock was encountered and the site is greater than one acre in size, the construction project will be required to comply with the California Air Resource Board (CARB) Asbestos Airborne Toxic Control Measure (ATCM) as summarized in the California Code of Regulations, Title 17, Section 93105. An Asbestos Dust Mitigation Plan (ADMP) may be required by the San Luis Obispo County Air Pollution Control District (APCD) prior to the start of construction and grading activity. NOA and serpentinite bedrock is further discussed in the Phase II ESA dated 20 December 2024.

7.5.3 Temporary and Permanent Shoring

We anticipate construction of the courthouse building will require an excavation of up to about 14 feet below the existing site grades where the ground floor level will be cut into the existing slope. Temporary shoring will be required to laterally restrain the sides of the excavation and limit the movement of adjacent improvements. There are several key considerations in selecting a suitable shoring system. Those we consider to be primary concerns are:

- protection of surrounding improvements, including roadways, utilities, and adjacent structures
- penetration of shoring supports into the soil and bedrock below the bottom of the excavation

- proper construction of the shoring system to reduce the potential for ground movement
- cost.

Based on the anticipated excavation depths, we conclude that soldier piles with wood lagging are a feasible shoring system for the project. A soldier-pile-and-lagging system consists of concrete encased steel H-beams placed in predrilled holes extending below the bottom of the excavation. Wood lagging is placed between the piles as the excavation proceeds. Drilling of the holes for the soldier piles may require casing and/or the use of drilling mud to prevent caving if localized layers of granular material are encountered.

Depending on the depth to bedrock along the shoring wall alignments, the shoring could retain soil or bedrock, or both. Likewise, the embedded portion of soldier piles below the excavation level will gain resistance in soil or bedrock, or both.

During excavation, the temporary shoring system is expected to move and deform, which could cause surrounding improvements to settle and move. The magnitude of shoring movements and resulting settlements of the ground surface behind shoring walls are difficult to estimate because they depend on many factors, including the method of installation and the contractor's skill in the shoring installation. Clough and O'Rourke (1990) summarized the measured settlements adjacent to excavations in sand and concluded that the settlements varied from 0.1 to 0.3 percent of the excavation depth. The data also show the settlements at some sites where the excavations were shored with a soldier-pile-and-lagging system were higher than these values. Therefore, for an excavation depth of about 14 feet for the new building where the shoring retains soil, we estimate settlement immediately behind the shoring wall could be on the order of ¼ to ½ inch. These settlements assume the quality of construction will meet or exceed that considered standard in the construction industry. The settlement will decrease with distance from the wall and should be negligible a distance twice the excavation depth. The settlement will also decrease where the shoring retains some bedrock.

If a cantilevered soldier-pile-and-lagging shoring system does not provide adequate lateral restraint, the shoring system could require either grouted tiebacks or internal bracing. If tiebacks extend beyond property lines, encroachment agreements from adjacent property owners and encroachment permits from the City of San Luis Obispo may be required.

If needed, a shoring system can be designed to permanently retain soil and bedrock. Permanent shoring will need to be corrosion protected and designed for static and seismic loads, as recommended in Section 8.7.

7.5.4 Dewatering

Groundwater could be encountered during construction. If groundwater is encountered in temporary excavations made during construction, such as those for the below-grade level, foundations, retaining walls, or utility trenches, the excavations will need to be dewatered before concrete or backfill are placed. It may be difficult to dewater where groundwater is perched in soil above the bedrock.

Groundwater will need to be managed if it is encountered during temporary shoring installation and building excavation. To prevent migration of soil particles into the excavation with the groundwater, a filter fabric can be installed behind the lagging for the temporary shoring. For dewatering of the building excavation, water can be collected in gravel-filled sumps and pumped out of the excavation, or an underslab drainage system (discussed in Section 7.2) can be designed as a temporary system if the weight of the completed building is sufficient to offset the uplift water pressure. For temporary underslab drainage, depending on the actual flow of water encountered during construction, pumps and sand traps may not be needed.

8.0 RECOMMENDATIONS

Recommendations for earthwork, foundation support, seismic design, and other geotechnical aspects of the project are presented in the following sections of this report.

8.1 Earthwork

The following subsections present our recommendations for site preparation, subgrade preparation, fill placement, lime treatment, and utility trenches.

8.1.1 Site Preparation

Demolition in areas to be developed should include removal of existing pavement, foundations, floor slabs, utilities, and other underground obstructions. Existing below-grade walls and foundations should be demolished and removed where they are in conflict with new construction. We recommend existing structures be removed to a depth of at least 3 feet below the bottom of the proposed foundations, and deeper where needed to allow for construction of underslab utilities.

The existing monitoring wells and piezometer B-9(MW) should be abandoned in accordance with County of San Luis Obispo Health Agency requirements. Any vegetation and organic topsoil should be stripped in areas to receive new site improvements. Stripped organic soil can be stockpiled for later use in landscaped areas, if approved by the owner and architect; organic topsoil should not be used as compacted fill. Undocumented fill encountered during demolition and site preparation should be overexcavated and recompacted in accordance with the recommendations in Section 8.1.3.

Demolished asphalt and concrete at the site may be crushed to provide recycled construction materials, including Class 2 aggregate base (AB), provided their use is acceptable from an environmental standpoint. Where recycled Class 2 AB will be used beneath pavements, it should meet requirements of the Caltrans Standard Specifications. Crushed asphalt and concrete that do not meet the Caltrans specifications for aggregate base can be mixed with onsite soil and used as general site fill. Where crushed concrete or asphalt is used in fill, particles between 1½ and 3 inches in greatest dimension should comprise no more than 30 percent of the fill by weight.

Existing underground utilities beneath areas to receive new improvements should be removed or abandoned in-place by filling them with grout. The procedure for in-place abandonment of utilities should be evaluated on a case-by-case basis and will depend on the location of utilities relative to new improvements. However, in general, existing utilities within four feet of final grades should be removed, and the resulting excavation should be properly backfilled following the recommendations presented in this section.

Excavations and/or voids created during demolition should be backfilled with properly compacted engineered fill, controlled-density fill (CDF), or lean concrete. Prior to backfill of the basement, holes should be cored through the floor slab to facilitate drainage.

8.1.2 Subgrade Preparation

The near-surface soils have low to very high expansion potential. In general, the soil subgrade exposed after demolition, stripping, and site clearing, as well as subgrade that will receive new fill or at-grade improvements, should be scarified to a depth of 12 inches, moisture-conditioned to at least three percent above optimum moisture content, and compacted to between 88 and 93 percent relative compaction[11]. In areas where the soil subgrade has low expansion potential,

[11] Relative compaction refers to the in-place dry density of soil expressed as a percentage of the maximum dry density of the same material, as determined by the ASTM D1557 laboratory compaction procedure.

the subgrade should be scarified to a depth of 12 inches, moisture-conditioned to above optimum moisture content, and compacted to at least 90 percent relative compaction. An exception to these recommendations occurs at vehicular pavement areas, where the upper six inches of the pavement soil subgrade should be compacted to at least 95 percent relative compaction, regardless of expansion potential. The subgrade should be kept moist until covered by fill or improvements. Bedrock exposed at subgrade does not need to be scarified and recompacted.

Within the footprint of the proposed courthouse building, where the structure is underlain by soil rather than bedrock and the finished floor elevation is within three feet of lowest adjacent exterior soil subgrade elevation, we recommend at least 18 inches of non-expansive soil, consisting of select fill or lime-treated soil, be provided below the floor slab or mat foundation. If desired, for improved performance of concrete flatwork, we recommend flatwork be underlain by at least 12 inches of engineered, non-expansive (select or lime treated) soil. Criteria for select fill are provided in Section 8.1.3. Lime treatment may be used in lieu of select fill as discussed in Section 8.1.4.

If soft or loose soil is encountered at subgrade, the unsuitable material should be removed and recompacted, or replaced with other suitable fill material. The prepared subgrade should be kept moist until it is covered with fill or other improvements. If the compacted subgrade is disturbed, it should be re-rolled to provide a smooth, firm surface. Clay exposed at the foundation level may be susceptible to disturbance under construction equipment traffic. Heavy construction equipment should not be allowed directly on the final subgrade. It may be necessary to lime treat or to place a temporary layer of crushed rock to protect the final subgrade.

8.1.3 Fill Placement

We anticipate fill placement at the site will occur during general site grading and placement of select fill. Additional fill and backfill is anticipated for utility trenches and around foundations and below-grade walls.

We anticipate that soil excavated during construction will generally be acceptable for use as general site fill and backfill from a geotechnical standpoint. On-site soil is not acceptable for use as select fill. Soil excavated near or below the groundwater will require significant drying before it can be used as engineered fill. Excavated bedrock may be crushed and reused as general site fill. Any on site soil or crushed bedrock used as fill and backfill should meet the following criteria:

- be free of organic matter or other deleterious material

- contain no rocks or lumps larger than three inches in greatest dimension
- be non-hazardous and approved by the project geotechnical engineer, corrosion consultant, and environmental consultant.

Select fill should consist of either on-site or imported fill that meets the following criteria:

- be free of organic matter or other deleterious material
- contain no rocks or lumps larger than three inches in greatest dimension
- have a low expansion potential (defined by a liquid limit of less than 40 and plasticity index lower than 12)
- have at least 20 percent fines (particles passing the No. 200 sieve)
- be non-hazardous
- be approved by the project geotechnical engineer, corrosion consultant, and environmental consultant.

General site fill consisting of on-site expansive clay should be placed in horizontal lifts not exceeding eight inches in uncompacted thickness, moisture-conditioned to at least three percent above optimum moisture content, and compacted to between 88 and 93 percent relative compaction. On-site soil with low expansion potential and select fill should be placed in horizontal lifts not exceeding eight inches in uncompacted thickness, moisture-conditioned to near optimum moisture content, and compacted to at least 90 percent relative compaction for fill thicknesses equal or less than five feet and 95 percent compaction for fill thicknesses greater than five feet. If imported clean sand (having less than 10 percent fines) is used as backfill, it should be compacted to at least 95 percent relative compaction regardless of fill thickness.

8.1.4 Lime Treatment

As an alternative to placement of select fill below the building floor slab/mat and exterior concrete flatwork, the soil subgrade (measured below Class 2 aggregate base) can be treated in place with at least five to seven percent (to be determined by laboratory testing performed by the contractor) dolomitic quicklime by dry weight of soil. If this alternative is selected, we recommend that the upper 18 inches be treated for the building floor slab and the upper 12 inches be treated for the exterior concrete flatwork. Prior to lime treatment, we recommend the site be graded to a level pad elevation and all below-grade obstructions be removed. The soil treated with lime should be mixed and compacted in one lift. The lime should be thoroughly blended with the soil and allowed

to cure for 24 hours prior to compaction. The lime-treated soil should be moisture-conditioned to above optimum moisture content and compacted to at least 90 percent relative compaction. Lime-treated soil should be removed from landscaping areas as it will inhibit growth of vegetation. It should be noted that disposal of lime-treated soil is typically expensive because of the high pH of the treated soil.

A specialty subcontractor typically performs lime treatment, and we recommend this work be performed only by an experienced contractor. Field quality control measures should include checking the depth of lime treatment, degree of pulverization, lime spread rate measurement, lime content measurement, and moisture content and density measurements, and mixing efficiency. Quality control will also include laboratory tests for expansion potential and plasticity index on representative samples. If the lime treatment alternative is selected, we recommend that the specialty subcontractor prepare a soil treatment specification for review prior to construction.

8.1.5 Utility Trenches

Utility trenches should be excavated a minimum of four inches below the bottom of pipes or conduits and have clearances of at least four inches on both sides. Where necessary, trench excavations should be shored and braced, in accordance with all safety regulations, to prevent cave-ins.

The corrosivity test results provided in Appendix C should be reviewed and corrosion protection measures provided for underground utilities, if needed. A corrosion engineer should be retained if corrosion recommendations are required.

Backfill for utility trenches should be compacted according to the recommendations presented for the general site fill. Jetting of trench backfill is not permitted. To provide uniform support, pipes or conduits should be bedded on a minimum of four inches of sand or fine gravel. After pipes and conduits are tested, inspected (if required), and approved, they should be covered to a depth of six inches with sand or fine gravel, which should then be mechanically tamped or compacted with a vibratory plate. Backfill should then be placed as recommended for fill. Where utility trenches extend below the design groundwater level (1 foot bgs), any gravel with less than 10 percent fines used as pipe bedding, shading, or cover should be wrapped in a filter fabric such as Mirafi 140N; filter fabric is not needed where sand or Class 2 permeable material are used as backfill.

Where utility trenches backfilled with sand or gravel enter the building footprint, an impermeable plug consisting of native clay or lean concrete, at least five feet in length and the full depth and width of the trench, should be installed at the edge of the building. Further, where sand- or gravel-backfilled trenches cross planter areas and pass below asphalt or concrete pavements, an impermeable plug consisting of native clay or lean concrete, at least five feet in length and the full depth and width of the trench, should be installed at the edge of the pavement. The purpose of these plugs is to reduce the potential for water to become trapped in trenches beneath the buildings, concrete slabs, and pavements. This trapped water can cause heaving of soils beneath slabs and softening of soils beneath pavements.

Special care should be taken in controlling utility backfilling in pavement areas. Poor compaction may cause excessive settlements, resulting in damage to exterior improvements.

8.2 Foundations

Foundations for the courthouse are anticipated to bear on both soil and bedrock. The proposed structure can be supported on spread footings or a mat bearing on stiff to very stiff clay, medium dense to very dense sand or gravel, bedrock, or engineered fill, CDF, or lean concrete.

For spread footings and mat foundations used for the at-grade portion of the building, where the finished floor will be within three feet of final adjacent exterior site grades and the foundation will bear on expansive soil, interior spread footings bearing on soil should be deepened to bear at least 36 inches below lowest adjacent soil subgrade. In addition, a continuous deepened footing, grade beam, or thickened mat/slab edge extending at least 36 inches below the lowest adjacent soil subgrade should be constructed at the building perimeter to reduce the potential for soil volume changes caused by surface water infiltrating beneath the at-grade floor slab/mat. If at least three feet of select fill will be placed to raise grades for the building pad, the minimum footing/thickened edge embedment depth may be decreased to 24 inches.

Where the finished floor is at least three feet below lowest adjacent exterior subgrade, footings should extend at least 18 inches below the lowest adjacent soil subgrade. Footings that bear in rock should extend at least 12 inches into competent bedrock. Continuous footings should be at least 18 inches wide and isolated footings should be at least 24 inches wide.

We recommend footings or a mat bearing in stiff clay, medium dense sand, or engineered fill be designed for an allowable bearing capacity of 4,000 psf for dead-plus-live loads. Footings or a mat bearing in bedrock or CDF/lean concrete that extends to bedrock should be designed for an

allowable bearing capacity of 8,000 psf for dead-plus-live loads. These allowable bearing capacities include a factor of safety of about 2. For total loads, including wind and seismic loads, these allowable bearing capacities can be increased by one third, which results in a factor of safety of 1.5. The CDF and lean concrete should have a minimum unconfined compressive strength of 150 pounds per square inch (psi).

If foundations are designed for the bearing capacities for bedrock but excavations encounter soil during construction, the excavations should be deepened to expose competent bedrock. The excavations can be backfilled with lean concrete or CDF to the planned foundation bottom. The lean concrete or CDF should have a minimum unconfined compressive strength of 150 psi.

To reduce the potential for surcharging adjacent underground utilities or adjacent foundations, the foundations should bear below an imaginary 1.5:1 (horizontal to vertical) plane projected upward from the bottom edge of the utility or adjacent foundation. Alternatively, the utility or adjacent foundation will need to be designed to accommodate the surcharge from the foundations.

Lateral loads can be resisted by a combination of passive resistance acting against the vertical faces of the mat or footings and friction along their base. To compute lateral passive resistance, we recommend using an equivalent fluid weight (triangular distribution) of 130 pounds per cubic foot (pcf) in soil (below the design groundwater level of 1 foot bgs) and a passive pressure (uniform distribution) of 5,000 psf in bedrock. Frictional resistance should be computed using a base friction coefficient of 0.3, assuming the foundation bears directly on soil or bedrock. If any type of membrane is placed under the foundations, the friction coefficient may be lower, typically between 0.15 and 0.25, depending on the type of membrane used. The passive pressure and frictional resistance values include a factor of safety of at least 1.5 and may be used in combination without reduction.

The courthouse foundations will need to be designed to resist permanent hydrostatic uplift forces, or permanent subdrains should be installed below the mat. Where the weight of the building and foundation elements are not sufficient to resist uplift, tiedown anchors can be used. The mat and floor slab should be protected from moisture transmission as recommended in Section 8.4.

8.3 Tiedown Anchors

Tiedown anchors can be used to resist uplift loads where the weight of the buildings and foundation elements are not sufficient to resist hydrostatic uplift loads. Uplift resistance can be developed in skin friction between the anchor shafts and the surrounding soil and rock. Tiedown anchors should be spaced at least four shaft diameters apart, or four feet, whichever is greater. The uplift capacity of tiedown anchors will depend on the construction procedure used to install them. For a preliminary estimate of bond lengths, we recommend using an allowable pullout capacity of 1,400 psf for small diameter, post-grouted anchors. This preliminary pullout capacity includes a factor of safety of 2.0 which is appropriate for sustained uplift loads, assuming load testing is performed. If tiedowns are used for temporary loads only, a factor of safety of 1.5 can be used, assuming load testing is performed. This capacity corresponds to an ultimate pullout capacity of 2,800 psf. Anchor capacities should be verified in the field by proof and performance test programs as described below.

Tiedowns should be double corrosion protected because they are permanent. High strength bars or strands may be used as tensile reinforcement in the anchors. For stressing, the steel bar and strand should have at least 10 and 15 feet of free length, respectively.

We recommend all tiedowns be post-grouted. We recommend the first two tiedowns and at least 10 percent of the remaining anchors be performance-loaded to at least 200 percent of the design static load or 150 percent of the seismic load, whichever is greater, under the Geotechnical Engineer's observation. The test load should not exceed 0.8 times the specified minimum tensile strength of the tendon. The remaining tiedowns should be proof tested to 150 percent of the static design load or 125 percent of the seismic load, whichever is greater. The proof load should be held for at least 10 minutes without significant yielding of the anchor. Replacement anchors should be provided, as directed by the structural engineer, for anchors that fail the test. After testing, all anchors should be loaded to 10 percent of their design load (higher if specified by the structural engineer) and locked off.

In the performance test, the load applied to the anchor and its movement are measured during several cycles of incremental loading and unloading. A proof test is a simple test used to measure the total movement of the anchor during one cycle of incremental loading. For both performance and proof tests, the maximum test load should be held for a minimum of 10 minutes, with readings taken at 0, 1, 2, 3, 6, and 10 minutes. If the difference between the 1- and 10-minute reading is less than 0.04 inch during the loading, the test is discontinued. If the difference is more

than 0.04 inch for a performance test, the holding period is extended to 60 minutes, and the movements should be recorded at 15, 20, 25, 30, 45, and 60 minutes. If the difference is more than 0.04 inch for a proof test, the load should be maintained, and the observation is continued until the creep rate can be determined.

The Geotechnical Engineer should evaluate the test results and determine whether the anchors are acceptable. An anchor with a ten-minute hold is acceptable if the anchor carries the maximum test load with less than 0.04-inch movement between one and 10 minutes, and total movement at the maximum test load exceeds 80 percent of the theoretical elastic elongation of the unbonded length. An anchor with a 60-minute hold is acceptable if the anchor carries the maximum test load with less than 0.08-inch movement between six and 60 minutes, and total movement at the maximum test load exceeds 80 percent of the theoretical elastic elongation of the unbonded length. If the total movement of the anchor at the maximum test load does not exceed 80 percent of the theoretical elastic elongation of the unbonded length, the anchor should be replaced by the contractor.

8.4 Floor Slabs

If a mat is used for foundation support for the structure, the top of the mat can be used as the ground floor, or a topping slab can be placed above the mat to provide a smooth wearing surface. If footings are used for foundation support, floor slabs can be designed to bear on grade.

If a floor slab is used and on-site expansive soil is exposed at slab subgrade, the floor slab should be underlain by at least 18 inches of non-expansive soil where the finished floor elevation of the slab is within three feet of lowest exterior soil subgrade. If a mat is used and on-site expansive soil is exposed at mat subgrade, the mat should be underlain by at least 18 inches of non-expansive soil where the bottom of the mat is within three feet of lowest exterior soil subgrade. The layer of non-expansive soil is not needed where intact bedrock is exposed at floor slab/mat subgrade.

Where the floor slab/mat is deeper than three feet below the lowest adjacent exterior soil subgrade, it should bear on prepared subgrade as presentation in Section 8.1.2 or on undisturbed bedrock. The slab/mat should be waterproofed and designed to resist hydrostatic uplift pressures, using a design groundwater level of 1 foot below the ground surface.

8.5 Underdrain System

As an alternative to designing the mat foundation or floor slab for hydrostatic uplift, an underslab drainage system can be used beneath the mat or floor slab, in conjunction with waterproofing. An underslab drainage system should consist of at least 12 inches of gravel consisting of Class 2 permeable material or open graded crushed rock (¾ to 1½ inch gradation) placed on a slightly sloping subgrade (0.5 percent minimum). The gravel blanket should extend across the entire slab footprint and should underlain by a filter fabric (Mirafi 140N or equivalent). Perforated collector pipes and pumps should be installed to collect the water captured by the gravel blanket and transmit it to solid pipes that carry the water to a suitable outlet. The perforated pipes typically consist of six-inch minimum-diameter PVC (SDR 35) and are installed in trenches with a minimum slope of one percent, a minimum of six inches deep, at a maximum horizontal spacing of 30 feet. The pipes are surrounded by at least four inches of gravel on all sides.

8.6 Permanent Below-Grade and Retaining Walls

The northern face and portions of the northerly east and west faces of the courthouse's ground level will require below-grade walls. We understand retaining walls may also be necessary. Below-grade and retaining walls should be designed to resist earth pressures. Walls that retain six feet of soil or more should be designed to resist both static lateral earth pressures and lateral pressures caused by earthquakes. The more critical condition of either the at-rest pressure or the active pressure plus seismic increment should be checked. We used the procedures outlined in Sitar et al. (2012) to compute the applicable seismic increment. At-rest and total equivalent fluid weights (active plus seismic increment) for Design Earthquake (DE) and Risk-Targeted Maximum Considered Earthquake (MCE_R) levels of shaking at the site, assuming level backfill conditions, are presented in Table 4.

TABLE 4
Equivalent Fluid Weights for Below-Grade Wall Design

Retained Material	Static Conditions		Seismic Conditions[1]			
	Unrestrained Walls Active Condition (pcf)	Restrained Walls At-Rest Condition (pcf)	Seismic Increment (pcf)		Total (Active Plus Seismic Increment) (pcf)	
			DE[2]	MCE_R[3]	DE	MCE_R
FILL Above the Groundwater Level[4] and Drained	45	65	32	49	77	94
FILL Below the Groundwater Level and/or Undrained	85	100	17	25	102	110
BEDROCK Above the Groundwater Level[4] and Drained	22	38	27	40	49	62
BEDROCK Below the Groundwater Level and/or Undrained	74	82	14	21	88	95

Notes:
1. The more critical condition of either at-rest pressure (static condition) or active pressure plus a seismic pressure increment (seismic condition) should be checked for walls 6 feet or higher.
2. DE = Design Earthquake, PGA = 0.415g from Site-Specific Response Spectra
3. MCE_R = Risk-Targeted Maximum Considered Earthquake, PGA = 0.623g from Site-Specific Response Spectra
4. Applicable to walls where above the design groundwater level (1 foot below the ground surface) and backdrained to prevent the buildup of hydrostatic pressure.
5. Structural engineer to determine appropriate load combinations for design of below-grade walls.

For walls retaining slopes, the active and at-rest earth pressures provided in Table 4 should be increased by the factors in Table 5 for the appropriate slope configuration, when evaluating the static and seismic loading conditions.

TABLE 5
Sloping Ground Surface Condition
Surcharge Factors for Active and At-Rest Pressures

Sloping Condition (horizontal to vertical)[1]	Factor to Increase Active and At-Rest Pressures
Level (H:V)	1.0
4:1	1.2
3:1	1.3
2:1	1.5

Where surcharge loads are present above an imaginary line projected up at an inclination of 1½:1 from the bottom of a wall, a surcharge pressure should be included in the wall design. In addition, the walls should be designed for surcharge loads where there will be construction equipment, stockpiled soil, or other surcharge loads within a horizontal distance of 1½ times the wall height. If these conditions exist, the Geotechnical Engineer should compute the additional pressure increment for the loading conditions.

Where vehicular traffic will pass within 10 feet of the walls, traffic loads should be considered in the design of the walls. Traffic loads may be modeled by a uniform horizontal pressure of 100 psf applied on the upper 10 feet of the walls.

To protect against moisture migration, below-grade walls should be waterproofed, and water stops should be placed across all construction joints. The waterproofing should be placed directly against the backside of the walls. The waterproofing should be designed by a consultant with local experience. Walls should be properly backdrained if they are designed for the drained condition above the design groundwater level (1 foot below the ground surface). One acceptable method for back-draining below-grade walls is to place a prefabricated drainage panel against the backside of the walls. If temporary shoring is used, the panel may be placed directly on the shoring prior to casting the wall. The Geotechnical Engineer should check the manufacturer's specifications regarding the proposed prefabricated drainage panel material to verify it is appropriate for its intended use.

As an alternative to using prefabricated drainage panel, the walls may be drained using Caltrans Class 2 permeable material (Caltrans Standard Specifications Section 68-1.025) or clean crushed drain rock wrapped in a geotextile filter fabric (Mirafi 140N or equivalent). The gravel drain should be at least 12 inches wide and should extend up the back of the wall to about 2 feet below the ground surface; the upper 2 feet should be covered with a cap of native soil to reduce infiltration of surface water.

The drainage panel or gravel backdrain should extend down weep holes, or to a four-inch-diameter PVC collector pipe or "flat" equivalent pipe (such as AdvanEdge) at the base of the wall. If used, the PVC collector pipe should be surrounded on all sides by at least four inches of Caltrans Class 2 permeable material (see Caltrans Standard Specifications Section 68-1.025), or clean crushed rock wrapped in filter fabric (Mirafi 140N or equivalent. If a flat pipe surrounded by a filter fabric is used, it is not necessary to surround it with rock. The pipe should be connected to a suitable discharge point. A separate discharge pipe should be provided for the retaining wall backdrains and the underdrainage system beneath the floor slab/mat, if used. If water is collected in a sump, a pumping system may be required to carry the water to the storm drain system.

Retaining wall foundations should be designed in accordance with the recommendations previously provided for the building foundations. The wall footings should be deepened to bear at least 36 inches below the lowest adjacent soil subgrade.

8.7 Temporary and Permanent Slopes, Temporary and Permanent Shoring, and Dewatering

We anticipate construction of the courthouse building will require an excavation of up to about 14 feet below the existing site grades. Recommendations for slope cuts, temporary shoring, and dewatering are provided in this section.

8.7.1 Temporary Cut Slopes

We judge that temporary cut slopes may be made on a 1½:1 (horizontal: vertical) inclination provided groundwater is not present and they are not surcharged by equipment or building material. Temporary cuts in bedrock may be made vertical; however, the height of any vertical segment should not exceed six feet unless shoring is used. If poor rock quality or adverse bedding is present, cuts in rock should be flattened and/or retained using temporary shoring. Where there is insufficient space to slope the sides of the proposed excavation and where excavations extend below groundwater, temporary shoring will be required. The safety of

workers and equipment in or near excavations is the responsibility of the contractor. The contractor should be familiar with the most recent OSHA Trench and Excavation Safety standards.

8.7.2 Permanent Cut and Fill Slopes

If planned, permanent cut slopes in soil should be graded no steeper than 2:1 (horizontal to vertical). Unretained cuts in bedrock may be graded as steep as 1:1, depending on the rock fracturing, hardness, and weathering. If poor rock quality or adverse bedding is present, rock slopes should be flattened and/or retained using rock bolts.

If fill is planned along existing slopes, the fill should be keyed and benched into the slope to reduce the potential for differential settlement and movement of the fill. Prior to placement of fill, the exposed subgrade should be scarified, moisture-conditioned, and compacted as previously discussed in Section 8.1.2. If the final fill surface will be sloped, we recommend the fill slope be overbuilt by placing and compacting horizontal lifts of fill as described in Section 8.1.3. Subsequently, the fill slope should be cut back to achieve the proper slope inclination. We recommend that fill slopes be designed to have a maximum slope inclination of 2:1.

8.7.3 Temporary and Permanent Shoring

We anticipate cantilevered shoring will be feasible for excavations on the order of 14 feet deep or less. Cantilevered shoring should be designed using the equivalent fluid weights for unrestrained walls in soil or rock presented in Table 4 (Section 8.6). The depth to the interface of soil and rock can be estimated using top of bedrock elevation contours on Figure 3. We recommend the undrained equivalent fluid weights in Table 4 be used unless a dewatering system is installed. These values are considered appropriate for an active condition, which assumes that some movement of the supported soil is tolerable. If movement of the soil is not acceptable, the at-rest equivalent fluid weights in Table 4 should be considered. For shoring consisting of soldier beams and lagging, the active and at-rest earth pressures should be assumed to act over the full width of the shoring above the excavation and over one soldier beam width below the excavation.

If the shoring will be used as part of a permanent retention system, all system components should be corrosion protected, and the shoring design should consider seismic loads and incorporate factors of safety consistent with permanent structures.

If traffic is anticipated within a distance equal to the shoring depth, a uniform lateral surcharge load of 100 pounds per square foot (psf) acting on the upper 10 feet should be used in the design. An increase in lateral design pressure for the shoring may be required where heavy construction equipment or stockpiled materials will be within a distance equal to the shoring depth. The increase in pressure should be determined after the surcharge loads are known. If this condition exists, the Geotechnical Engineer should be consulted, and the additional pressure increment can be computed on a case-by-case basis.

Passive resistance can be computed using an equivalent fluid weight of 130 pcf where soil is present and a uniform pressure of 5,000 psf (rectangular distribution) in bedrock. These passive pressure values include a factor of safety of about 1.5. For beams spaced at least three shaft diameters, center-to-center, the passive resistances can be assumed to act over three soldier beam[12] widths.

The shoring designer should evaluate the required penetration depth of the soldier piles. The soldier piles should have sufficient axial capacity to support the vertical load component of any vertical load acting on the piles. To compute the axial capacity of the piles, we recommend using an allowable skin friction on the perimeter of the piles below the excavation level of 500 psf in soil and 1,000 psf in rock; these values include a factor of safety of 2. Vertical support from end bearing is neglected.

8.7.4 Dewatering

The excavation for the proposed building will likely extend below groundwater. Unless the temporary shoring is designed to cut off water flow into the excavation, a filter fabric (Mirafi 140N or equivalent) should be installed behind the shoring lagging to prevent migration of soil particles into the excavation with the groundwater. Groundwater encountered within the building excavation should be collected in gravel-filled sumps at the base of the excavation and pumped out of the excavation.

Another option for managing the groundwater at the base of the building excavation is to install a temporary underdrain system (as discussed in Sections 7.2 and 7.5.4 and recommended in Section 8.5) to dewater until the weight of the building is sufficient to offset the uplift water pressure. For temporary underslab drainage, depending on the actual flow of water encountered

[12] The soldier beam width is defined as the diameter of the drilled hole for beams backfilled with lean or structural concrete with an unconfined compressive strength of at least 50 pounds per square inch (psi).

during construction, the pumps and sand traps required for a permanent system may not be needed. The site dewatering should be designed by an experienced dewatering designer and implemented by an experienced dewatering contractor in coordination with the shoring designer and contractor.

Where groundwater is encountered in utility trench or footing excavations, dewatering will be required before concrete or backfill are placed. The groundwater should be managed sufficiently to allow for a stable working surface at the bottom of the excavation for constructability.

8.8 Pavement and Concrete Flatwork Design

Our recommendations for flexible and rigid pavement and concrete flatwork are presented in this section.

8.8.1 Flexible and Rigid Pavement

The State of California resistance value (R-value) method was used to develop the recommended asphalt concrete pavement sections. A laboratory test indicates that the near-surface soil has a resistance value (R-value) lower than 5. Based on our understanding of the soils at the site, we judge that an R-value of 5 is representative of the variability in the near surface soils and is appropriate for design.

Recommendations for pavement sections for Traffic Indices (TI) ranging from 4.5 to 7.5 and an R-value of 5 are presented in Table 6.

TABLE 6
Asphalt Concrete Pavement Section
Soil R-Value = 5

TI	Asphalt Concrete (inches)	Class 2 Aggregate Base R-value = 78 (inches)
4.5	2.5	9.5
5.0	3.0	10
5.5	3.0	12
6.0	3.5	13
6.5	4.0	13.5
7.0	4.0	15.5
7.5	4.5	16.5

Where rigid pavement is required, for loading and service areas, we recommend a minimum of six inches of concrete for medium traffic (TI of 5.5 or lower) and a minimum of eight inches of concrete for heavy traffic (TIs of 6 and higher). The concrete should be underlain by at least six inches of Class 2 aggregate base.

Pavement components should conform to the current State of California Department of Transportation (Caltrans) Standard Specifications. The subgrade should be prepared following the recommendations in Section 8.1.2 to provide a smooth, non-yielding surface. Aggregate base should be moisture conditioned and compacted to at least 95 percent relative compaction. Recycled aggregate base is acceptable provided it meets the Caltrans criteria for Class 2 material.

8.8.2 Concrete Flatwork

Exterior concrete flatwork should be underlain by at least four inches of aggregate base compacted to at least 95 percent relative compaction. The near-surface soils are moderately to highly expansive. If desired for improved performance where expansive soil is present, hardscape improvements should be underlain by at least 12 inches of engineered, non-expansive (select or lime-treated) soil that extends at least three feet beyond the slab edges. The subgrade should be prepared following the guidance in Section 8.1.2 to provide a smooth, non-yielding surface.

8.9 Site Drainage

Positive surface drainage should be provided around the new improvements to direct surface water away from the structure. To reduce the potential for water ponding adjacent to the building, we recommend the ground surface within a horizontal distance of ten feet measured perpendicular to the face of the wall be designed to slope down and away from the building with a surface gradient of at least five percent in unpaved areas and two percent in paved areas in accordance with CBC Section 1804A.4. In addition, roof downspouts should be discharged into controlled drainage facilities to keep the water away from the building.

Drainage control design should include provisions for positive surface gradients so that surface runoff is not permitted to pond, particularly adjacent to structures, or on roadways or pavements. Surface runoff should be directed away from the building to properly designed and installed drop inlets.

To reduce the potential for irrigation water entering the pavement section, vertical curbs adjacent to landscaped areas should extend through any aggregate base and at least six inches into the underlying soil. In heavily watered areas, it may also be necessary to install a subdrain behind the curb to intercept excess irrigation water.

8.10 Stormwater Treatment Methods

8.10.1 Infiltration Potential

Infiltration at the site will be limited by the presence of expansive, clayey soil and the relatively shallow groundwater and bedrock; the tested percolation rate is about 1/8 inch per hour.

We reviewed available estimated soil properties from the United States Department of Agriculture (USDA) Web Soil Survey utility. The USDA establishes hydrologic soil groups, which are groups of soils having similar runoff potential under similar storm and cover conditions. The USDA data indicates that near surface soils at the site can be estimated as hydrologic soil groups C and D. Hydraulic soil groups C and D have a moderate and high runoff potential when thoroughly wet, respectively.

8.10.2 Bioretention Systems

Typically, the bottom of the bioretention system is recommended to be a minimum of two feet or more above the groundwater table. Given the potential for shallow groundwater to be present at the site, and the limitations regarding infiltration potential of the on-site soil, unlined bioretention systems may not be suitable for the site.

The soil within a bioretention system should typically have an infiltration rate sufficient to draw down any pooled water within 48 hours after a storm event. Because the soil subgrade beneath bioretention areas will likely be expansive clay, which has a relatively low infiltration rate, an underdrain system with a waterproof liner on the sides and bottom of the bioretention swale should be installed.

Overflow from bioretention areas should be directed to the storm drain system away from building foundations and slabs. If bioretention systems are closer than five feet from foundation elements, passive resistance of foundation elements towards the bioretention system should be neglected.

8.11 Seismic Design

8.11.1 Mapped Values

Based on the results of our geotechnical investigation, the soil and bedrock conditions encountered at this site, and nearby shear wave velocity measurements[13], we conclude the site can be classified as Site Class C (very dense soil and soft rock), in accordance with the 2022 CBC and ASCE 7-16.

Accordingly, the following mapped seismic coefficients for design in accordance with the provisions of the 2022 CBC and ASCE 7-16 can be used:

- Risk-Targeted Maximum Considered Earthquake (MCE_R) S_S and S_1 of 1.067g and 0.393g, respectively
- Site Coefficients F_a and F_v of 1.2 and 1.5, respectively
- MCE_R spectral response acceleration parameters at short periods, S_{MS}, and at one-second period, S_{M1}, of 1.280g and 0.590g, respectively
- Design Earthquake (DE) spectral response acceleration parameters at short period, S_{DS}, and at one-second period, S_{D1}, of 0.854g and 0.393g, respectively
- Site modified peak ground acceleration (PGA_M) of 0.568g.

8.11.2 Site-Specific Response Spectra

We performed probabilistic seismic hazard analysis (PSHA) and deterministic analysis to develop site-specific recommended horizontal spectra at the ground surface for the building for the Risk-Targeted Maximum Considered Earthquake (MCE_R) and Design Earthquake (DE) consistent with ASCE 7-16 and 2022 CBC. Details of our analysis for the MCE_R earthquake are presented in Appendix E.

The recommended spectra are presented on Figure 8 for 5 percent damping; digitized values of the MCE_R and DE spectra, respectively, for damping ratio of 5 percent are presented in Table 7.

[13] Kayen, R., Thompson, E., Minasian, D., and Carkin B. (2005). "Shear-Wave Velocity of the Ground Near Sixty California Strong Motion Recording Sites by the Spectral Analysis of Surface Waves (SASW) Method and Harmonic-Wave Sources." U.S. Geological Survey.

TABLE 7

Recommended MCE_R, and DE Spectra
Spectral Acceleration (g's)

Period (seconds)	MCE_R	DE
0.01	0.623	0.415
0.10	1.212	0.808
0.20	1.491	0.994
0.30	1.424	0.949
0.40	1.262	0.841
0.50	1.110	0.740
0.75	0.801	0.534
1.00	0.588	0.392
1.50	0.357	0.238
2.00	0.246	0.164
3.00	0.157	0.105
4.00	0.118	0.079
5.00	0.094	0.063

Note:
1. DE and MCE_R correspond to the Design Earthquake and Risk-Targeted Maximum Considered Earthquake, respectively, per CBC 2022/ASCE 7-16.

Because site-specific procedure was used to determine the recommended response spectra, the corresponding values of S_{MS}, S_{M1}, S_{DS} and S_{D1} per Section 21.4 of ASCE 7-16 should be used, as shown in Table 8.

TABLE 8

Design Spectral Acceleration Value

Parameter	Spectral Acceleration Value (g's)
S_{MS}[14]	1.342
S_{M1}[15]	0.588
S_{DS}[14]	0.895
S_{D1}[15]	0.392

9.0 FUTURE GEOTECHNICAL SERVICES

The recommendations provided in this report are based on Langan's investigations and interpretation of the site subsurface conditions and are considered preliminary. The design-build entity (DBE) contracted to complete the project should retain a qualified geotechnical engineer to provide the following services: 1) perform an independent geotechnical investigation and prepare a design-level geotechnical report; 2) consult with the DBE as questions arise during design; 3) assist in preparing specification sections related to geotechnical issues such as earthwork, foundations, and excavation support; 4) review the project plans and Contractor submittals relating to materials and construction procedures for geotechnical work; and 5) check that the design incorporates the intent of project geotechnical recommendations. During construction, the DBE's geotechnical engineer should also provide quality assurance confirmation and perform special inspections per the Building Code for earthwork, backfill, and installation of foundations.

10.0 CONTRACTOR RESPONSIBILITIES

The Contractor is responsible for construction quality control, which includes satisfactorily constructing the foundation system and any associated temporary works to achieve the design intent while not adversely impacting or causing loss of support to neighboring properties, structures, utilities, roadways, etc. Construction activities that can alter the existing ground

[14] S_{DS} is based on the site-specific response spectra and is based on 90 percent of the maximum spectral acceleration within the period range of 0.2 to 5 seconds; it is governed by 90 percent of the spectral acceleration at a period of 0.2 seconds. S_{MS} is 1.5 times S_{DS}.

[15] S_{D1} is based on the site-specific response spectra and is the maximum of the product of period, T, and spectral acceleration, Sa, for periods from 1.0 to 2.0 seconds; it is governed by the product of the period and spectral acceleration at a period of 1.0 second. S_{M1} is 1.5 times S_{D1}.

conditions such as excavation, fill placement, foundation construction, etc. can also induce stresses, vibrations, and movements in nearby structures and utilities, and disturb occupants. Contractors are solely responsible to ensure that their activities will not adversely affect the structures and utilities. Contractors must also take all necessary measures to protect the existing structures, utilities, etc. during construction.

11.0 LIMITATIONS

This report has been prepared to assist the Owner and Performance Criteria team and is only applicable to the planning of the specific project identified. Final recommendations for design of the project will be provided by the DBE's geotechnical engineer.

The conclusions and recommendations provided in this report result from Langan's interpretation of the geologic and geotechnical conditions existing at the site inferred from a limited number of borings and seismic refraction surveys, as well as architectural information provided by MRY, the criteria architect. Information on subsurface strata and groundwater levels shown on the logs represent conditions encountered only at the locations indicated and at the time of investigation. Actual subsurface conditions may vary. The information in this report cannot be utilized or depended on by engineers or contractors who are involved in evaluations or designs of facilities on adjacent properties which are beyond the limits of that which is the specific subject of this report.

Environmental services provided by Langan for the project included performing a Phase II Environmental Site Assessment for the development, the results of which have been presented in a separate report.

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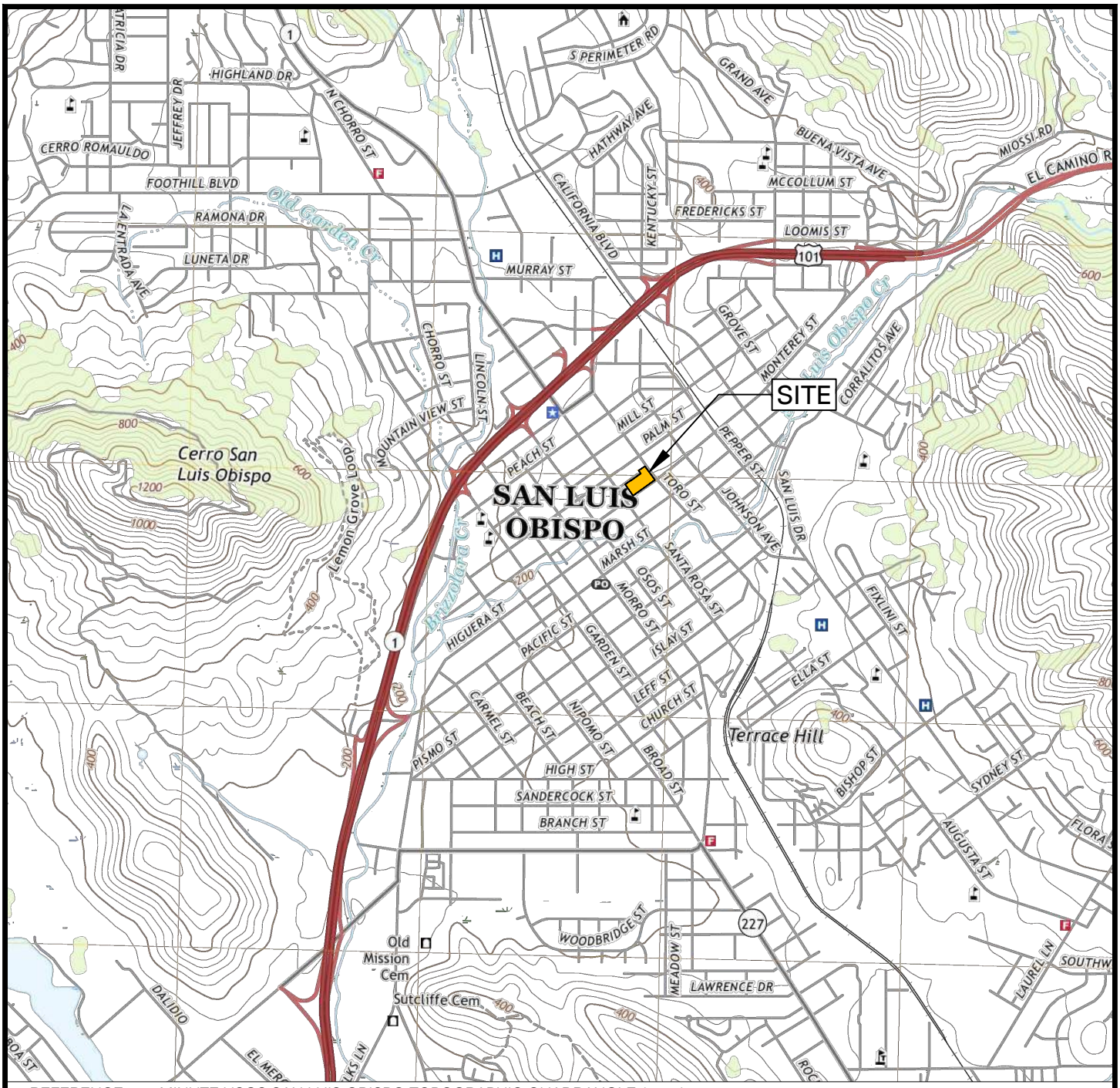
FIGURES



REFERENCE: 7.5-MINUTE USGS SAN LUIS OBISPO TOPOGRAPHIC QUADRANGLE (2015)

0 2,000 Feet

Approximate scale

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Project
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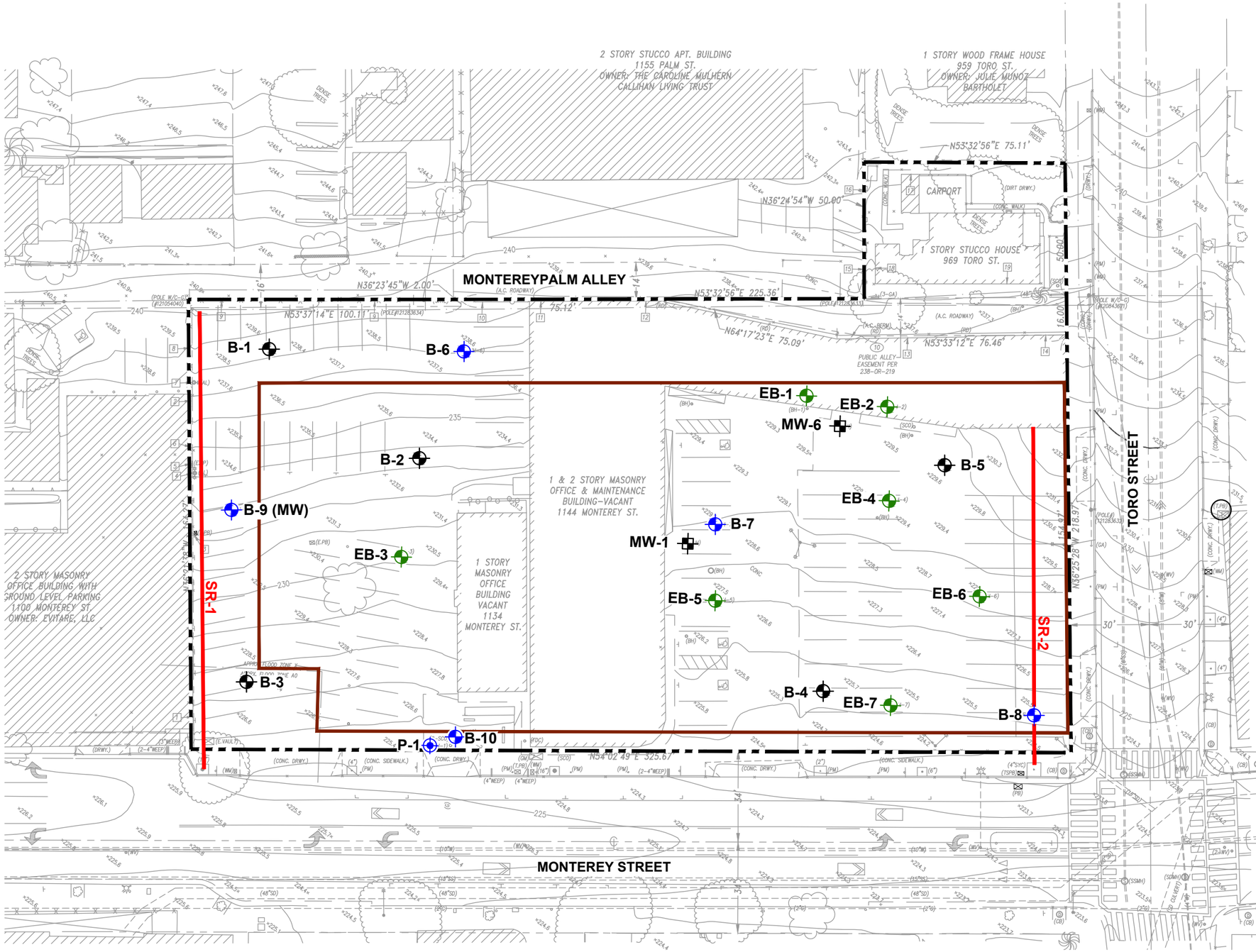
1144 MONTEREY STREET
SAN LUIS OBISPO
SAN LUIS OBISPO COUNTY CALIFORNIA

Figure Title
SITE LOCATION MAP

Project No.	750680202
Date	10/11/2024
Drawn By	AG
Checked By	JDO

Figure
1

Filename: \\langan.com\data\OAK\data2\750680201\Project Data\CAD_01\IRV files\GEOTECHNICAL FIGURES.dwg Date: 10/2/2024 Time: 08:43 User: agekas Style Table: Langan.stb Layout: SLM_1144Monterey



EXPLANATION

- **B-6** — Approximate location of geotechnical boring by Langan, August 2024
- **P-1** — Approximate location of percolation test by Langan, August 2024
- **B-1** — Approximate location of geotechnical boring by Langan, February 2023
- **EB-1** — Approximate location of environmental boring by Langan, August 2024
- **MW-1** — Approximate location of monitoring well by others
- Site boundary
- Approximate elevation of existing ground (feet, NAVD88)
- Approximate limits of the proposed courthouse structure
- **SR-1** — Approximate location of seismic refraction line, August 2024

Notes:
1. Background from a topographic survey prepared by DRG, Inc. dated 7 October 2024.
2. Elevations reference the North American Vertical Datum of 1988 (NAVD88).
3. Proposed courthouse extents from "New San Luis Obispo Courthouse, Site Selection Presentation," by Moore Ruble Yudell, dated 12 April 2023.

0 40 Feet
Approximate scale

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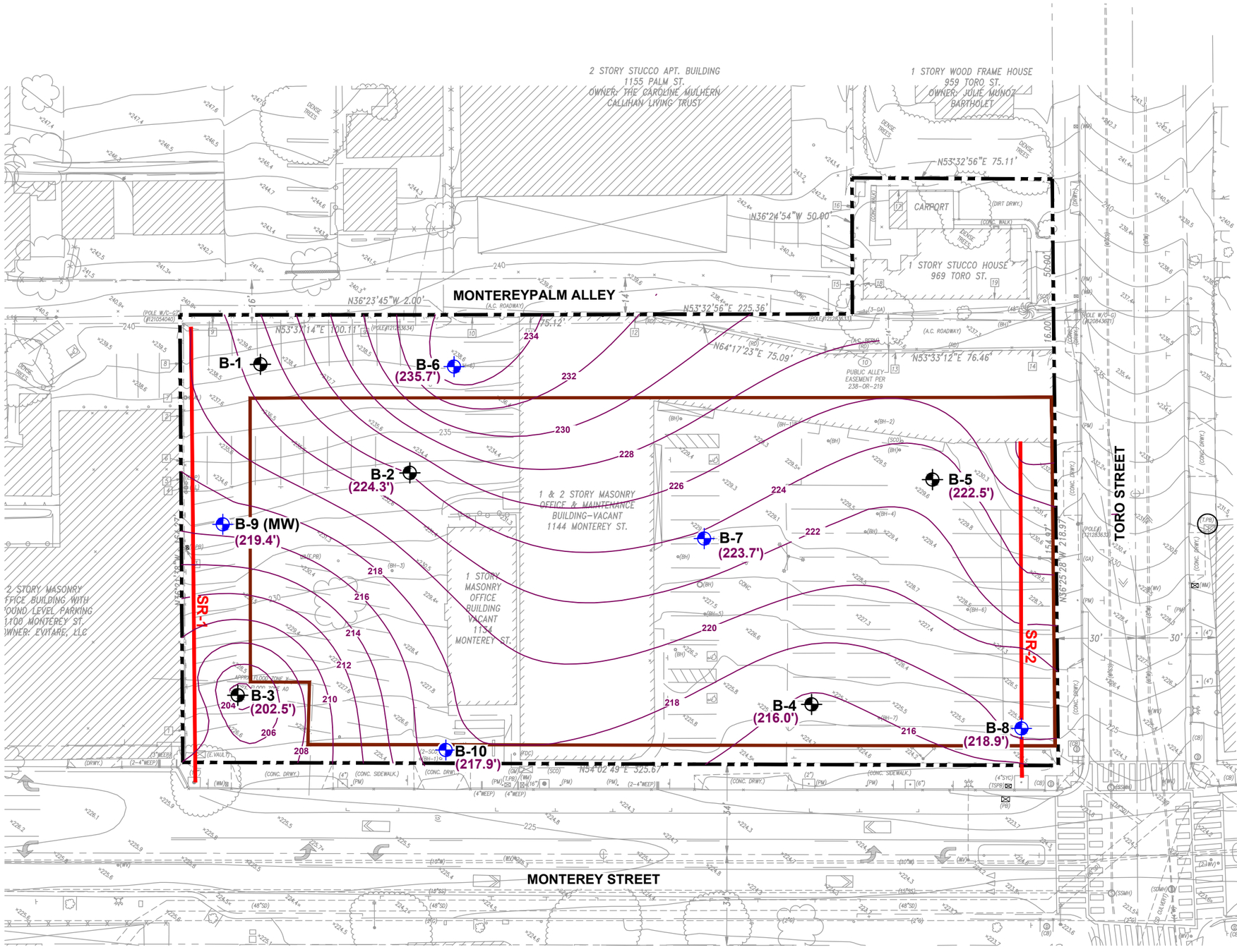
Figure Title: SITE PLAN

Project No.	Figure No.
750680202	2
Date: 10/11/2024	
Drawn By: AG	
Checked By: JOD	

Filename: \\langan.com\data\OAK\data2\750680201\Project Data\CAD_01\750680201-B-SP0102.dwg Date: 10/14/2024 Time: 09:33 User: agekas Style Table: Apple LaserWriter 8500.ctb Layout: 1144 Monterey St_Figure 2



EXPLANATION

- **B-6** — Approximate location of geotechnical boring by Langan, August 2024
- **B-1** — Approximate location of geotechnical boring by Langan, February 2023
- Site boundary
- Approximate limits of the proposed courthouse structure
- **SR-1** — Approximate location of seismic refraction line, August 2024
- **(224')** — Approximate elevation of top of bedrock (feet)
- **222** — Contour of approximate elevation of top of bedrock (feet)

Notes:
1. Background from a topographic survey prepared by DRG, Inc. dated 7 October 2024.
2. Elevations reference the North American Vertical Datum of 1988 (NAVD88).
3. Proposed courthouse extents from "New San Luis Obispo Courthouse, Site Selection Presentation," by Moore Ruble Yudell, dated 12 April 2023.

0 40 Feet
Approximate scale

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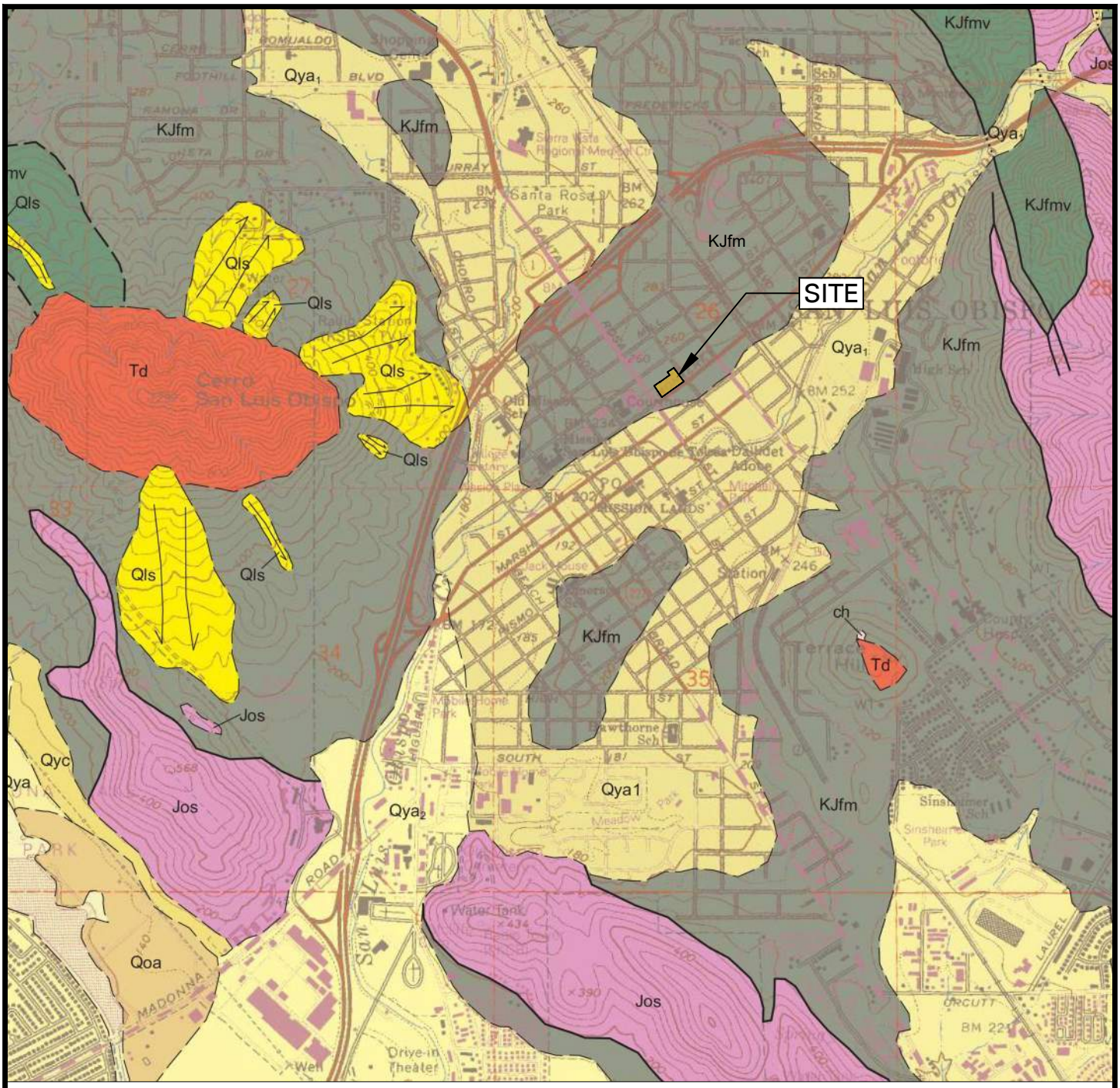
Figure Title
ELEVATION OF TOP OF BEDROCK

Project No.	Figure No.
750680202	3
Date: 10/11/2024	
Drawn By: AG	
Checked By: JOD	

Filename: \\langan.com\data\OAK\data2\750680201\Project Data\CAD_01\750680201-B-SP0102.dwg Date: 10/14/2024 Time: 09:32 User: agekas Style Table: Apple LaserWriter 8500.ctb Layout: 1144 Monterey St_Figure 3



LEGEND:

Qls	LANDSLIDE DEPOSITS
Qya	YOUNG ALLUVIAL FLOOD-PLAIN DEPOSITS (LOCALLY DIVIDED BY RELATIVE AGE, 2 = YOUNGEST, 1 = OLDEST)
Qyc	YOUNG COLLUVIAL DEPOSITS
Qoa	OLD ALLUVIAL FLOOD-PLAIN DEPOSITS
Td	MORRO ROCK - ISLAY HILL VOLCANIC INTRUSIVE COMPLEX
Jos	SERPENTINIZED ULTRAMAFIC ROCK
	FRANCISCAN COMPLEX
KJfm	MÉLANGE
KJfmv	METAVOLCANIC ROCKS

0 2,000 Feet

Approximate scale

REFERENCE: CGS GEOLOGIC MAP OF THE SAN LUIS OBISPO 7.5-MINUTE QUADRANGLE, VERSION 1 (WIEGERS, 2010).

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Figure Title
REGIONAL GEOLOGIC MAP

Project No.	750680202
Date	10/11/2024
Drawn By	AG
Checked By	JDO

Figure 4

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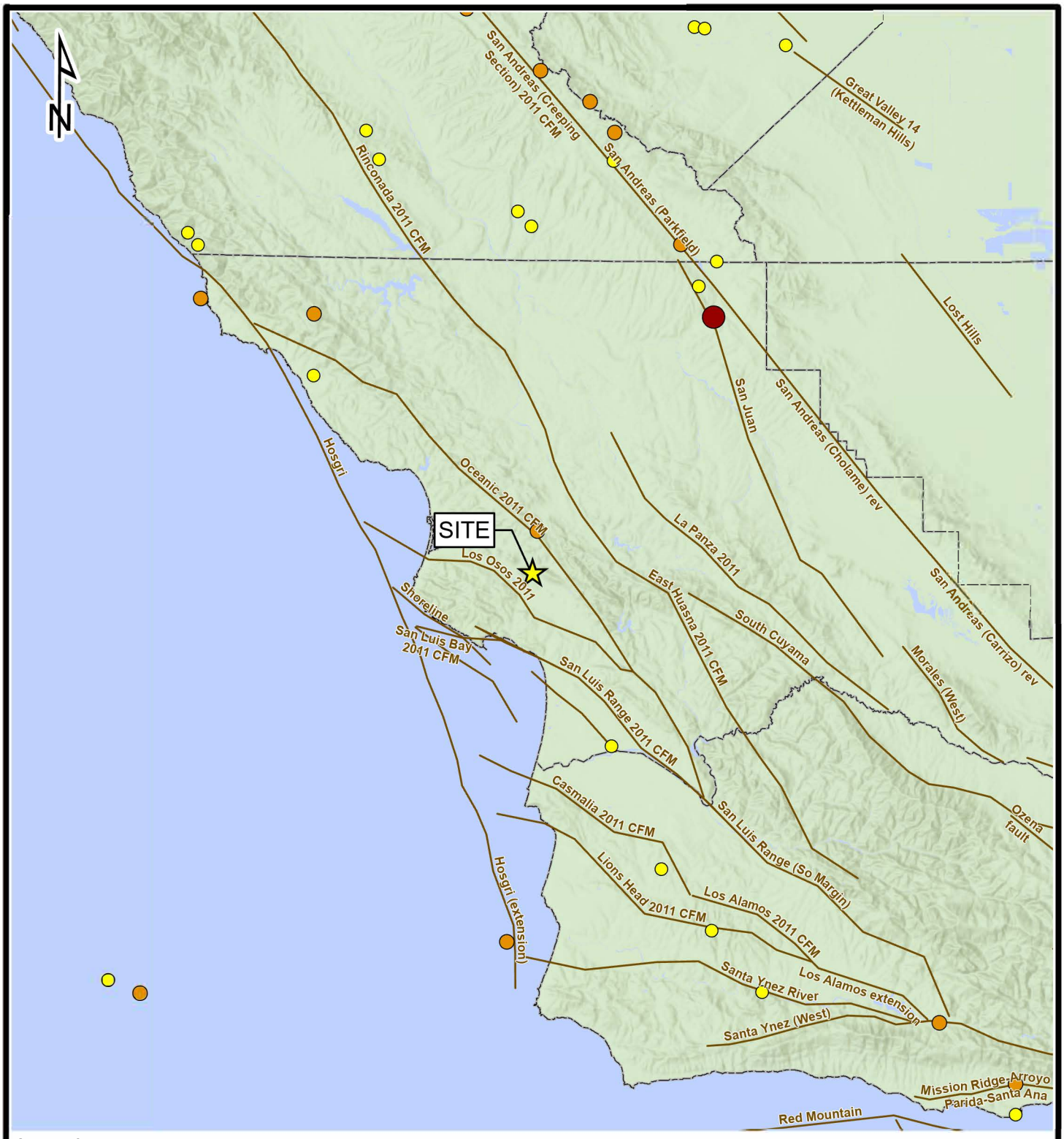

Legend

- Site Location
- Fault
- County Boundary

Earthquake Epicenter Magnitude

- Magnitude 5 to 5.9
- Magnitude 6 to 6.9
- Magnitude 7 to 7.4
- Magnitude 7.5 to 8

20 0 20
SCALE IN KILOMETERS

Notes:
1. Quaternary fault data displayed are provided by the CGS Map Sheet 48: Fault based seismic sources used in the Uniform California Earthquake Rupture Forecast, Version (UCERF3).
2. Earthquake Epicenter (Magnitude) data queried with a magnitude of 5+ from 01/01/1800 to present, from the ANSS Comprehensive Earthquake Catalog (ComCat), downloaded 04/19/2023.
3. Basemap and county boundaries provided by USGS and California Department of Transportation.
4. Map displayed in California State Coordinate System, California (Teale) Albers, North American Datum of 1983 (NAD83), Meters.

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Figure Title
MAP OF MAJOR FAULTS AND EARTHQUAKE EPICENTERS

Project No.	750680202
Date	10/11/2024
Drawn By	AC
Checked By	JDO

Figure 6

Path: \\langan.com\data\OAK\data2\750680201\Project Data\ArcGIS\APRX\SLO Courthouse_750680201.aprx

I Not felt by people, except under especially favorable circumstances. However, dizziness or nausea may be experienced.
Sometimes birds and animals are uneasy or disturbed. Trees, structures, liquids, bodies of water may sway gently, and doors may swing very slowly.

II Felt indoors by a few people, especially on upper floors of multi-story buildings, and by sensitive or nervous persons.
As in Grade I, birds and animals are disturbed, and trees, structures, liquids and bodies of water may sway. Hanging objects swing, especially if they are delicately suspended.

III Felt indoors by several people, usually as a rapid vibration that may not be recognized as an earthquake at first. Vibration is similar to that of a light, or lightly loaded trucks, or heavy trucks some distance away. Duration may be estimated in some cases.
Movements may be appreciable on upper levels of tall structures. Standing motor cars may rock slightly.

IV Felt indoors by many, outdoors by a few. Awakens a few individuals, particularly light sleepers, but frightens no one except those apprehensive from previous experience. Vibration like that due to passing of heavy, or heavily loaded trucks. Sensation like a heavy body striking building, or the falling of heavy objects inside.
Dishes, windows and doors rattle; glassware and crockery clink and clash. Walls and house frames creak, especially if intensity is in the upper range of this grade. Hanging objects often swing. Liquids in open vessels are disturbed slightly. Stationary automobiles rock noticeably.

V Felt indoors by practically everyone, outdoors by most people. Direction can often be estimated by those outdoors. Awakens many, or most sleepers. Frightens a few people, with slight excitement; some persons run outdoors.
Buildings tremble throughout. Dishes and glassware break to some extent. Windows crack in some cases, but not generally. Vases and small or unstable objects overturn in many instances, and a few fall. Hanging objects and doors swing generally or considerably. Pictures knock against walls, or swing out of place. Doors and shutters open or close abruptly. Pendulum clocks stop, or run fast or slow. Small objects move, and furnishings may shift to a slight extent. Small amounts of liquids spill from well-filled open containers. Trees and bushes shake slightly.

VI Felt by everyone, indoors and outdoors. Awakens all sleepers. Frightens many people; general excitement, and some persons run outdoors.
Persons move unsteadily. Trees and bushes shake slightly to moderately. Liquids are set in strong motion. Small bells in churches and schools ring. Poorly built buildings may be damaged. Plaster falls in small amounts. Other plaster cracks somewhat. Many dishes and glasses, and a few windows break. Knickknacks, books and pictures fall. Furniture overturns in many instances. Heavy furnishings move.

VII Frightens everyone. General alarm, and everyone runs outdoors.
People find it difficult to stand. Persons driving cars notice shaking. Trees and bushes shake moderately to strongly. Waves form on ponds, lakes and streams. Water is muddied. Gravel or sand stream banks cave in. Large church bells ring. Suspended objects quiver. Damage is negligible in buildings of good design and construction; slight to moderate in well-built ordinary buildings; considerable in poorly built or badly designed buildings, adobe houses, old walls (especially where laid up without mortar), spires, etc. Plaster and some stucco fall. Many windows and some furniture break. Loosened brickwork and tiles shake down. Weak chimneys break at the roofline. Cornices fall from towers and high buildings. Bricks and stones are dislodged. Heavy furniture overturns. Concrete irrigation ditches are considerably damaged.

VIII General fright, and alarm approaches panic.
Persons driving cars are disturbed. Trees shake strongly, and branches and trunks break off (especially palm trees). Sand and mud erupts in small amounts. Flow of springs and wells is temporarily and sometimes permanently changed. Dry wells renew flow. Temperatures of spring and well waters varies. Damage slight in brick structures built especially to withstand earthquakes; considerable in ordinary substantial buildings, with some partial collapse; heavy in some wooden houses, with some tumbling down. Panel walls break away in frame structures. Decayed pilings break off. Walls fall. Solid stone walls crack and break seriously. Wet grounds and steep slopes crack to some extent. Chimneys, columns, monuments and factory stacks and towers twist and fall. Very heavy furniture moves conspicuously or overturns.

IX Panic is general.
Ground cracks conspicuously. Damage is considerable in masonry structures built especially to withstand earthquakes; great in other masonry buildings - some collapse in large part. Some wood frame houses built especially to withstand earthquakes are thrown out of plumb, others are shifted wholly off foundations. Reservoirs are seriously damaged and underground pipes sometimes break.

X Panic is general.
Ground, especially when loose and wet, cracks up to widths of several inches; fissures up to a yard in width run parallel to canal and stream banks. Landsliding is considerable from river banks and steep coasts. Sand and mud shifts horizontally on beaches and flat land. Water level changes in wells. Water is thrown on banks of canals, lakes, rivers, etc. Dams, dikes, embankments are seriously damaged. Well-built wooden structures and bridges are severely damaged, and some collapse. Dangerous cracks develop in excellent brick walls. Most masonry and frame structures, and their foundations are destroyed. Railroad rails bend slightly. Pipe lines buried in earth tear apart or are crushed endwise. Open cracks and broad wavy folds open in cement pavements and asphalt road surfaces.

XI Panic is general.
Disturbances in ground are many and widespread, varying with the ground material. Broad fissures, earth slumps, and land slips develop in soft, wet ground. Water charged with sand and mud is ejected in large amounts. Sea waves of significant magnitude may develop. Damage is severe to wood frame structures, especially near shock centers, great to dams, dikes and embankments, even at long distances. Few if any masonry structures remain standing. Supporting piers or pillars of large, well-built bridges are wrecked. Wooden bridges that "give" are less affected. Railroad rails bend greatly and some thrust endwise. Pipe lines buried in earth are put completely out of service.

XII Panic is general.
Damage is total, and practically all works of construction are damaged greatly or destroyed. Disturbances in the ground are great and varied, and numerous shearing cracks develop. Landslides, rock falls, and slumps in river banks are numerous and extensive. Large rock masses are wrenched loose and torn off. Fault slips develop in firm rock, and horizontal and vertical offset displacements are notable. Water channels, both surface and underground, are disturbed and modified greatly. Lakes are dammed, new waterfalls are produced, rivers are deflected, etc. Surface waves are seen on ground surfaces. Lines of sight and level are distorted. Objects are thrown upward into the air.

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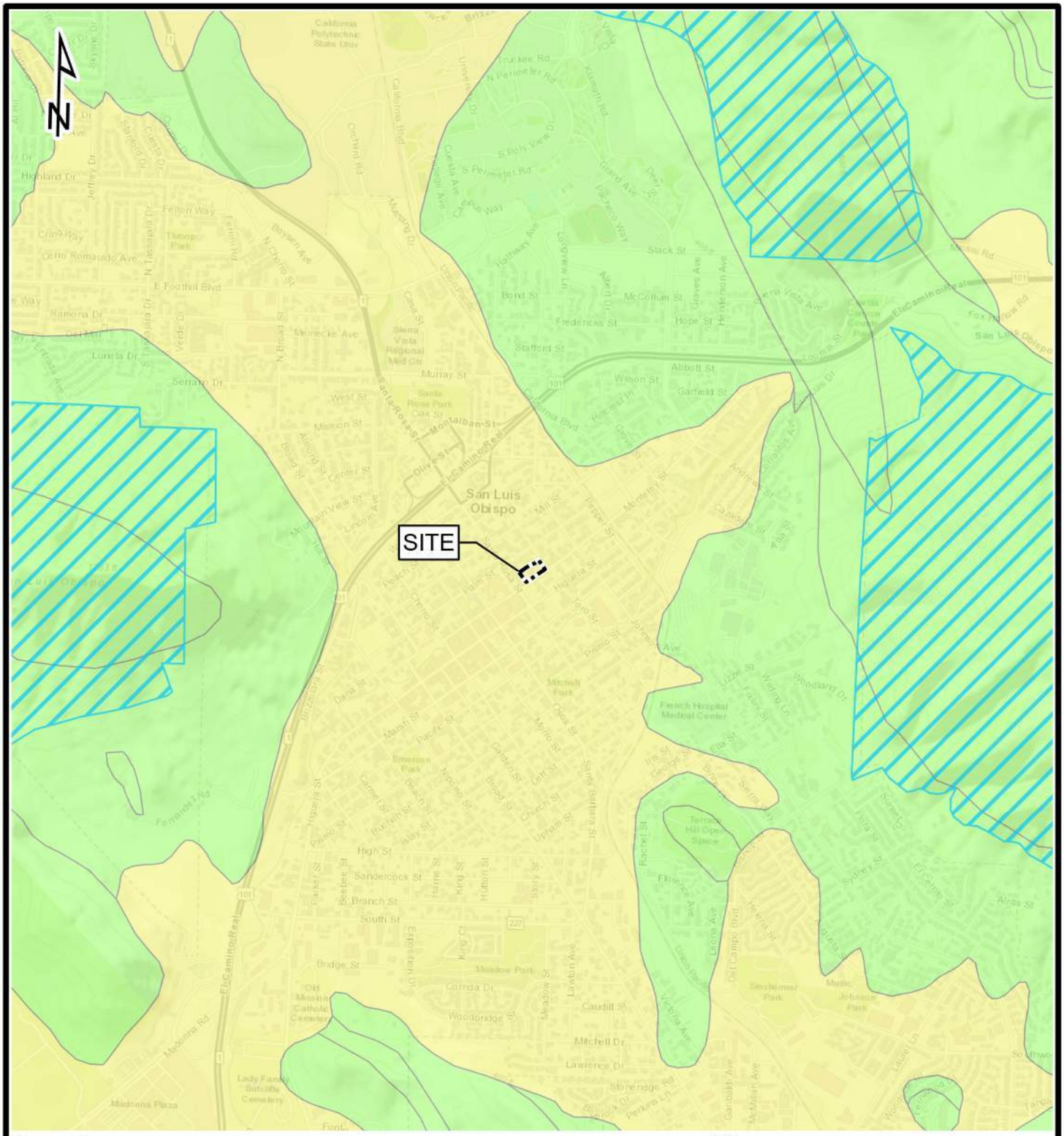
Figure Title
MODIFIED MERCALLI INTENSITY SCALE

Project No.	750680202
Date	10/11/2024
Drawn By	AG
Checked By	JDO

Figure 6

Filename: \\langan.com\data\OAK\data2\750680201\Project Data\CAD_01\750680201-B-GI0101_SiteLocMap.dwg Date: 10/2/2024 Time: 08:57 User: agekas Style Table: Langan.stb Layout: 1144 Monterey_figure 5 MM Scale (2)



Legend

- Approximate Site Boundary
- Landslide Risk

Liquefaction Risk

- Low Potential
- Moderate Potential

Notes:
1. Geology and Liquefaction Hazard Layers provided by the County of San Luis Obispo.
1. Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online, National Geographic Society, i-cubed.
3. All features shown are approximate.

2,000 0 2,000

SCALE IN FEET

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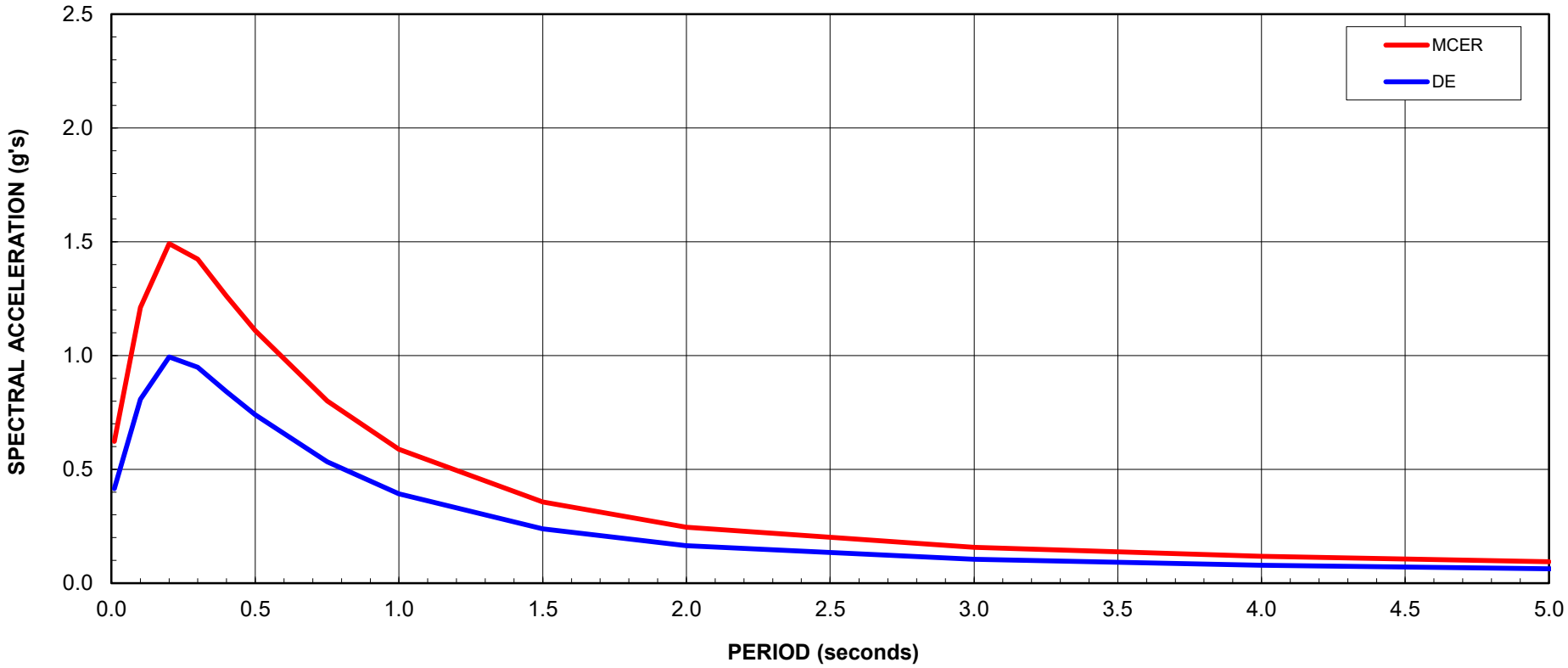
Figure Title
REGIONAL SEISMIC HAZARD ZONES MAP

Project No.	Figure
750680202	7
Date: 10/11/2024	
Drawn By: AC	
Checked By: JDO	

Path: \\langan.com\data\OAK\data2\750680201\Project Data\ArcGIS\APRX\SLO Courthouse_750680201.aprx



Notes

1. Damping Ratio = 5%
2. Estimated V_{S30} = 400 m/s

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Figure Title
RECOMMENDED HORIZONTAL SPECTRA

Project No. 750680202
Date 10/11/2024
Scale AS SHOWN
Prepared By: JDO

Figure No. 8

APPENDIX A

LOGS OF BORINGS

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring B-1**

Boring location:	See Site Plan, Figure 2	Logged by:	R. Nelson
Date started:	2/27/23	Date finished: 2/27/23	Drilled By: Exploration Geoservices Inc.
Drilling method:	Hollow Stem Auger		
Hammer weight/drop:	140 lbs./30 inches	Hammer type: Automatic	
Samplers:	Sprague & Henwood (S&H)		

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 238.5 feet[2]						
0					AB	1 inch asphalt concrete (AC) 6 inches aggregate base (AB)						
1					CL	CLAY (CL) red-brown, stiff, moist, trace fine to medium sand						
3	BULK					Expansion Index = 86, see Figure B-4 Corrosion Test, see Appendix D						
5	S&H		8 12 13	20	CL	CLAY with SAND (CL) yellow-brown, very stiff, moist, fine sand Triaxial Test, see Figure B-6	TxUU	600	4,110		20.1	106
8	S&H		12 18 24	34	SC	CLAYEY SAND with GRAVEL (SC) gray-brown, dense, moist, fine- to coarse-grained, fine angular gravel				25.3	22.5	
10	S&H		9 13 18	25	GC	CLAYEY GRAVEL with SAND (GC) gray-brown, medium dense, moist, fine angular gravel, fine- to coarse-grained sand				26.0	24.7	92

Boring terminated at a depth of 11.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.
PP = Pocket penetrometer.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.:	Figure:
750680202	A-1

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring B-2**

Boring location: See Site Plan, Figure 2

Date started: 2/27/23 Date finished: 2/27/23

Drilling method: Hollow Stem Auger

Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic

Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

Logged by: R. Nelson
Drilled By: Exploration Geoservices Inc.

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 233.5 feet[2]						
0						2 inches asphalt concrete (AC)						
1						CLAY with SAND (CH) dark brown, stiff, moist, coarse sand LL = 52, PI = 28, see Figure B-1						
2	BULK				CH							
3												
4												
5						CLAYEY SILTY GRAVEL with SAND (GC-GM) orange-brown, dense, moist, fine angular gravel, coarse-grained sand LL = 52, PI = 23, see Figure B-1						
6	S&H		12 18 26	35						30.0	21.2	
7					GC-GM							
8												
9												
10						SILTSTONE olive-brown, low hardness, friable, little weathered, dark brown stain along fractures [FRANCISCAN MELANGE]						
11	S&H		12 27 36	50								
12												
13												
14												
15						SHALE dark gray, low hardness, friable slightly weathered [FRANCISCAN MELANGE]						
16	S&H		18 40 50/ 5"	72/ 11"								
17												
18												
19												
20						weakly oxidized, occasional calcite veins						
21	SPT		20 33 50/ 5"	108/ 11"								
22												
23												
24												
25												
26	SPT		32 40 50/ 6"	117								
27												
28												
29												
30												

LANGAN

Project No.: 750680202 Figure: A-2a

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-2

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft[2]	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	SPT		50/ 5"	65/ 5"		SANDSTONE gray, moderately hard, weak, fresh [FRANCISCAN MELANGE]						
32												
33												
34						SHALE dark gray, low hardness, weak, slightly weathered, with serpentinite inclusions, occasional calcite veins [FRANCISCAN MELANGE]						
35	SPT		32 50/ 6"	65/ 6"								
36												
37												
38												
39												
40	SPT		43 50/ 6"	65/ 6"								
41												
42												
43												
44												
45	SPT		50/ 4"	65/ 4"		clay matrix						
46												
47												
48												
49												
50	SPT		50/ 5"	65/ 5"								
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												

Boring terminated at a depth of 50.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-2b

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-3

Boring location: See Site Plan, Figure 2
Logged by: R. Nelson
Date started: 2/27/23 Date finished: 2/27/23
Drilled By: Exploration Geoservices Inc.
Drilling method: Hollow Stem Auger
Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic
Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION (Ground Surface Elevation: 227.5 feet[2])	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
0					AB	2 inches asphalt concrete (AC) 9 inches aggregate base (AB)						
2	BULK				CH	CLAY with SAND (CH) gray-brown and red-brown, stiff, moist, coarse sand, trace fine subrounded gravel [FILL] LL = 59, PI = 33, see Figure B-1						
3	SPT		10 50/ 6"	65/ 6"						26.3	17.2	
4					GC	CLAYEY GRAVEL with SAND (GC) olive and light brown, very dense, moist, fine to coarse subangular gravel, fine-grained sand						
5												
6	SPT		7 20 18	49							13.8	
7					SC	CLAYEY SAND with GRAVEL (SC) olive, light brown and red-brown, dense, moist, fine- to coarse-grained, fine subangular to angular gravel [ALLUVIUM]						
8												
9						▽ (2/27/23, 10:58 am) CLAYEY GRAVEL with SAND (GC) olive, light brown and red-brown, dense, wet, fine to coarse subangular to angular gravel composed of chert, fine- to coarse-grained sand Particle Size Analysis, see Figure B-2						
10	SPT		13 17 16	43						19.5	9.3	
11					GC							
12												
13												
14						CLAYEY SAND (SC) gray-brown, orange-brown and olive, medium dense, wet, fine- to coarse-grained, fine to coarse subangular to subrounded gravel [ALLUVIUM]						
15										37.0	36.5	
16	SPT		5 7 8	20								
17					SC							
18												
19						▽ (2/27/23, 10:25 am)						
20						CLAYEY SAND with GRAVEL (SC) olive, light brown and dark brown, medium dense, wet, fine- to coarse-grained, fine to coarse subangular to subrounded gravel Particle Size Analysis, see Figure B-2						
21	S&H		5 13 20	26						27.0	27.9	98
22					SC							
23												
24												
25	SPT		25 50/ 5"	65/ 5"		SHALE gray with white calcite veins, low hardness, friable, slightly weathered [FRANCISCAN MELANGE]						
26												
27												
28												
29												
30												

LANGAN

Project No.: 750680202 Figure: A-3a

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-3

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft[2]	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	SPT		26 50/ 5"	65/ 5"		SHALE (continued) low hardness to moderately hard						
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												
47												
48												
49												
50												
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												

Boring terminated at a depth of 31 feet below ground surface.
Boring backfilled with bentonite/cement grout.
Groundwater encountered at 9.0 feet (2/27/23, 10:58am) and 19.0 feet (2/27/23, 10:25am) at time of drilling.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-3b

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring B-4**

Boring location: See Site Plan, Figure 2

Date started: 2/28/23 Date finished: 2/28/23

Drilling method: Hollow Stem Auger

Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic

Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

Logged by: R. Nelson
Drilled By: Exploration Geoservices Inc.

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 225.5 feet[2]						
0						3 inches asphalt concrete (AC)						
1						12 inches concrete						
2						CLAYEY SILTY SAND with GRAVEL (SC-SM) brown, medium dense, moist, fine- to coarse-grained, fine angular gravel						
3												
4					SC-SM							
5												
6	SPT		9 7 5	16		LL = 37, PI = 12, see Figure B-1				28.1	16.6	
7						▽ (2/28/23, 10:55 am)						
8	S&H		2 8 13	17	SP-SC	SAND with CLAY and GRAVEL (SP-SC) olive, medium dense, wet, fine- to coarse-grained, fine angular gravel				7.1	14.4	
9												
10						GREENSTONE olive with dark brown, manganese oxide staining along fractures, low hardness, friable to weak, moderately weathered, some sand and clay infill in fractures, weakly oxidized, sheared serpentinite matrix [FRANCISCAN MELANGE] Asbestos Test, see Appendix C						
11	SPT		9 13 17	39								
12												
13												
14												
15	SPT		22 50/ 1"	65/ 1"		Asbestos Test, see Appendix C						
16												
17												
18												
19												
20	SPT		22 44 50/ 5"	122/ 11"		SHALE dark gray, low hardness, friable, slightly weathered, occasional calcite veins, sheared matrix with sandstone inclusions [FRANCISCAN MELANGE]						
21												
22												
23												
24												
25	SPT		36 50/ 2"	65/ 2"		GREENSTONE olive-gray, low hardness, friable to weak, little weathered [FRANCISCAN MELANGE]						
26												
27												
28						SERPENTINITE matrix with chert blocksolive-gray (serpentinite) and red-brown (chert), low hardness, friable to weak, little weathered						
29												
30												

LANGAN

Project No.:	Figure:
750680202	A-4a

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-4

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft[2]	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	SPT		50/ 6"	65/ 6"		SERPENTINITE (continued)						
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												
47												
48												
49												
50												
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												

Boring terminated at a depth of 30.5 feet below ground surface.
Boring backfilled with bentonite/cement grout.
Groundwater encountered at a depth of 6.5 feet (2/28/23, 10:55am) at time of drilling.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-4b

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-5

Boring location: See Site Plan, Figure 2
Logged by: R. Nelson
Drilled By: Exploration Geoservices Inc.

Date started: 2/28/23 Date finished: 2/28/23

Drilling method: Hollow Stem Auger

Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic

Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 229.5 feet[2]						
0						2 inches asphalt concrete (AC)						
1						CLAY with SAND and GRAVEL (CH) olive-brown, very stiff, moist, fine sand, fine angular gravel						
2												
3	BULK				CH	LL = 62, PI = 42, see Figure B-1 R-Value Test, see Figure B-7						
4												
5												
6	S&H		12 15 13	22			PP		3,000			
7						SHALE						
8	S&H		14 26 31	46		gray-brown, soft to low hardness, friable, slightly weathered, weakly oxidized [FRANCISCAN MELANGE]						
9												
10												
11	S&H		17 28 50/ 5"	62/ 11"		dark gray with orange-brown oxidation along fractures						
12												
13												
14												
15	SPT		11 33 50/ 5"	108/ 11"								
16												
17												
18												
19												
20	SPT		18 26 50/ 6"	99		dark gray, low hardness, friable, fresh, sandstone blocks, occasional calcite veins						
21												
22												
23												
24												
25	SPT		27 34 50/ 5"	109/ 11"								
26												
27												
28												
29												
30												

LANGAN

Project No.: 750680202 Figure: A-5a

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-5

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft[2]	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	SPT		16 24 44	88		SHALE (continued)						
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												
47												
48												
49												
50												
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												

Boring terminated at a depth of 31.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.
PP = Pocket penetrometer.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-5b

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-6

Boring location: See Site Plan, Figure 2
Logged by: H. Li
Date started: 8/23/24 Date finished: 8/23/24
Drilled By: Exploration Geoservices Inc.
Drilling method: Hollow Stem Auger
Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic
Samplers: Standard Penetration Test (SPT)

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 238.2 feet[2]						
0						3 inches asphalt concrete (AC)						
1					CL	SANDY CLAY with GRAVEL (CL) dark brown to brown, stiff, moist, fine to coarse sand, fine to coarse subrounded to angular gravel (rock fragments)						
2	HA	⊠										
3						FRANCISCAN MELANGE light gray and olive-brown, hard, moderately strong, little weathered to fresh						
4	SPT	▬	50/ 2"	65/ 2"								
5–30												

Boring terminated at a depth of 3.7 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-6

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring B-7**

Boring location: See Site Plan, Figure 2

Date started: 8/22/24 Date finished: 8/22/24

Drilling method: Hollow Stem Auger

Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic

Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

Logged by: H. Li
Drilled By: Exploration Geoservices Inc.

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 229.2 feet[2]						
0						4.5 inches asphalt concrete (AC)						
0						4.5 inches aggregate base (AB)						
2	HA				CL	SANDY CLAY (CL) yellow-brown to olive, medium stiff to stiff, moist, fine to coarse sand, trace fine angular gravel and rootlets						
4	HA				CL	SANDY CLAY (CL) olive-gray, very stiff, moist, fine to coarse sand, with fine to coarse subangular to angular gravel [RESIDUAL SOIL]						
6	S&H		13 16 19	28		SHALE yellow-brown, soft to low hardness, friable, deeply weathered [FRANCISCAN MELANGE]						
8	S&H		12 18 32	40		dark gray, low hardness, weak, moderate to little weathered interbedded olive-gray sandstone						
10	S&H		18 29 36	52		olive-gray						
16	SPT		12 24 50	96		with greenstone blocks						
21	SPT		15 18 37	72		gray to light gray, with serpentinite						

Boring terminated at a depth of 21.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.

[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202 Figure: A-7

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring B-8**

Boring location: See Site Plan, Figure 2

Date started: 8/22/24 Date finished: 8/22/24

Drilling method: Hollow Stem Auger

Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic

Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

Logged by: H. Li
Drilled By: Exploration Geoservices Inc.

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 225.4 feet[2]						
0						6 inches asphalt concrete (AC)						
1						2 inches aggregate base (AB)						
2	HA				SC	CLAYEY SAND with GRAVEL (SC) yellow-brown, medium dense, moist, fine- to coarse-grained, fine to coarse angular gravel [FILL] Corrosion Test, see Appendix D						
3												
4	HA											
5					CL	SANDY CLAY with GRAVEL (CL) yellow-brown, medium stiff, moist, fine to coarse sand, fine to coarse subangular gravel						
6	S&H		7 8 11	15	CL	CLAY WITH SAND (CL) gray-brown, stiff to hard, moist, fine sand [RESIDUAL SOIL] Particle Size Analysis, see Figure B-2	PP		<4,500	82.7	18.8	107
7												
8	S&H		9 10 18	22		SHALE gray-brown, soft to low hardness, friable, moderate to deeply weathered [FRANCISCAN MELANGE]						
9												
10												
11	S&H		7 15 25	32		SANDSTONE yellow-brown, crushed, low hardness, friable, moderately weathered [FRANCISCAN MELANGE]						
12												
13												
14												
15	S&H		50/ 5"	40/ 5"		hard						
16												
17						SHALE dark gray, low hardness, little weathered to fresh [FRANCISCAN MELANGE]						
18												
19												
20												
21	SPT		15 17 18	46								
22												
23												
24												
25						light gray, friable to weak						
26	SPT		17 27 32	77								
27												
28												
29						friable, little weathered						
30	SPT		27 23 32	72								

Boring terminated at a depth of 30 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.
PP = Pocket Penetrometer.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.

[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202

Figure: A-8

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

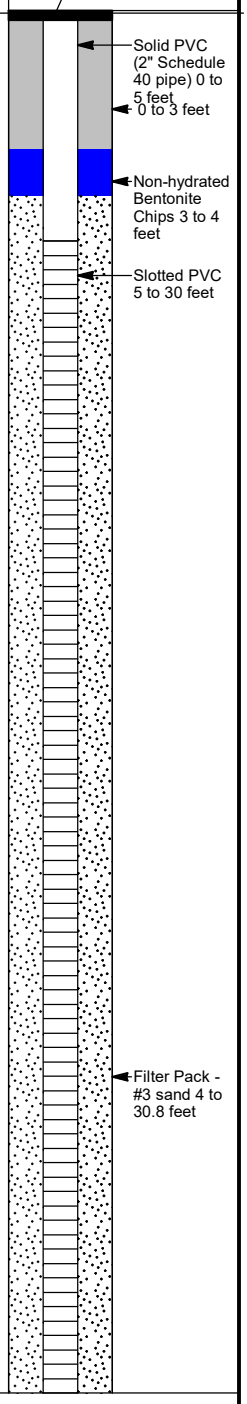
Log of Piezometer B-9 (MW)

Boring location: See Site Plan, Figure 2
Date started: 8/23/24 Date finished: 8/23/24
Drilling method: Hollow Stem Auger
Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic
Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

Logged by: H. Li
Drilled By: Exploration Geoservices Inc.

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 232.9 feet[2]						
0						2 inches asphalt concrete (AC)						
1					CL	SANDY CLAY (CL) yellow-brown, stiff, moist, fine to coarse sand						
2	HA											
3					CL	SANDY CLAY with GRAVEL (CL) yellow-brown, stiff, moist, fine to coarse sand, fine subangular gravel						
4	HA											
5			9			CLAYEY SAND WITH GRAVEL (SC) brown, medium dense, moist, trace rock fragments Particle Size Analysis, see Figure B-3						
6	S&H		10 19	23			PP		<4,500	40.2	20.8	99
7			15			yellow-brown, dense, moist, fine to coarse, subangular to angular gravel, fine to coarse sand						
8	S&H		24 27	41								
9					SC							
10			12									
11	S&H		20 22	34		Particle Size Analysis, see Figure B-3				21.1	16.9	107
12												
13												
14						SHALE gray, soft, friable, deeply weathered [FRANCISCAN MELANGE]						
15			46									
16	S&H		50/ 5"	40/ 5"								
17												
18												
19												
20			16			low hardness, weak, moderately weathered						
21	SPT		25 50	98								
22												
23												
24												
25			19			friable, deeply weathered						
26	SPT		50/ 4"	65/ 4"								
27												
28												
29												
30												

PIEZOMETER COMPLETION INFORMATION



LANGAN

Project No.: 750680202 Figure: A-9a

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Piezometer B-9 (MW)

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	LABORATORY TEST DATA: Confining Pressure Lbs/Sq Ft	LABORATORY TEST DATA: Shear Strength Lbs/Sq Ft	LABORATORY TEST DATA: Fines %	LABORATORY TEST DATA: Natural Moisture Content, %	LABORATORY TEST DATA: Dry Density Lbs/Cu Ft	PIEZOMETER COMPLETION INFORMATION
31	SPT		26 50/ 4"	65/ 4"		weak, moderately weathered							End Cap From 30 To 30.8 Feet
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													

Boring terminated at a depth of 30.8 feet below ground surface.
Boring converted to a piezometer.
Groundwater not encountered at time of drilling.
PP = Pocket Penetrometer.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-9b

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring B-10**

Boring location: See Site Plan, Figure 2

Date started: 8/22/24 Date finished: 8/23/24

Drilling method: Hollow Stem Auger

Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic

Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

Logged by: H. Li
Drilled By: Exploration Geoservices Inc.

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 225.9 feet[2]						
0						5 inches concrete						
1	HA	☒				CLAY with SAND and GRAVEL (CL) dark brown, stiff, moist, fine to coarse sand, with fine to coarse subrounded gravel, micaceous						
2												
3					CL							
4	HA	☒				Corrosion Test, see Appendix D						
5												
6	S&H		5 10 22	26	SC	CLAYEY SAND WITH GRAVEL (SC) olive with orange mottling, medium dense, moist, fine- to coarse-grained, subangular to angular Particle Size Analysis, see Figure B-3				33.2	26.9	84
7												
8	S&H		12 18 24	34	CL	SANDY CLAY (CL) yellow, hard, moist, fine sand						
9						SHALE olive-gray, low hardness, weak, moderately weathered, trace sandstone [FRANCISCAN MELANGE]						
10						olive-gray to dark gray						
11	S&H		10 17 28	36								
12												
13												
14												
15	S&H		33 50/ 4"	40/ 4"								
16												
17												
18												
19												
20	SPT		18 30 41	92								
21												
22												
23												
24												
25	SPT		16 42 50/ 5"	120/ 11"								
26						light gray, friable, deeply weathered, trace serpentinite/greenstone						
27												
28												
29												
30												

LANGAN

Project No.: 750680202 Figure: A-10a

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-10

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft[2]	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	SPT		13 27 38	85		SHALE (continued) with serpentinite/greenstone						
32												
33												
34												
35	SPT		25 42 50/ 2	120/ 8"								
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												
47												
48												
49												
50												
51												
52												
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54												
55												
56												
57												
58												
59												
60												

Boring terminated at a depth of 36.2 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-10b

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring P-1**

Boring location:	See Site Plan, Figure 2	Logged by:	H. Li
Date started:	8/22/24	Date finished: 8/22/24	Drilled By: Exploration Geoservices Inc.
Drilling method:	Hollow Stem Auger		
Hammer weight/drop:	140 lbs./30 inches	Hammer type: Automatic	
Samplers:	NA		

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 225.6 feet[1]						
0						5 inches concrete						
1						SANDY CLAY with GRAVEL (CH) red-brown to dark brown, medium stiff to stiff, moist, fine sand LL = 56, PI = 37, see Figure B-1						
2												
3	HA				CH	Expansion Index = 78, see Figure B-5 R-Value Test, see Figure B-8						
4												
5												
6												
7						SANDY CLAY (CL) gray-brown, moist, medium stiff to stiff, medium to fine sand, trace fine subangular gravel						
8					CL							
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												

Boring terminated at a depth of 10 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.

[1] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

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Project No.:	Figure:
750680202	A-11

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		Symbols	Typical Names
Coarse-Grained Soils (more than half of soil > no. 200 sieve size	**Gravels** (More than half of coarse fraction > no. 4 sieve size)	**GW**	Well-graded gravels or gravel-sand mixtures, little or no fines
		GP	Poorly-graded gravels or gravel-sand mixtures, little or no fines
		GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	Sands (More than half of coarse fraction < no. 4 sieve size)	**SW**	Well-graded sands or gravelly sands, little or no fines
		SP	Poorly-graded sands or gravelly sands, little or no fines
		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
Fine -Grained Soils (more than half of soil < no. 200 sieve size)	**Silts and Clays** LL = < 50	**ML**	Inorganic silts and clayey silts of low plasticity, sandy silts, gravelly silts
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, lean clays
		OL	Organic silts and organic silt-clays of low plasticity
	Silts and Clays LL = > 50	**MH**	Inorganic silts of high plasticity
		CH	Inorganic clays of high plasticity, fat clays
		OH	Organic silts and clays of high plasticity
Highly Organic Soils		**PT**	Peat and other highly organic soils

GRAIN SIZE CHART

Classification	Range of Grain Sizes	
	U.S. Standard Sieve Size	Grain Size in Millimeters
Boulders	Above 12"	Above 305
Cobbles	12" to 3"	305 to 76.2
Gravel	3" to No. 4	76.2 to 4.76
coarse	3" to 3/4"	76.2 to 19.1
fine	3/4" to No. 4	19.1 to 4.76
Sand	No. 4 to No. 200	4.76 to 0.075
coarse	No. 4 to No. 10	4.76 to 2.00
medium	No. 10 to No. 40	2.00 to 0.420
fine	No. 40 to No. 200	0.420 to 0.075
Silt and Clay	Below No. 200	Below 0.075

Unstabilized groundwater level

Stabilized groundwater level

PP = Pocket Penetrometer

TV = Torvane

SAMPLE DESIGNATIONS/SYMBOLS

Sample taken with Sprague & Henwood split-barrel sampler with a 3.0-inch outside diameter and a 2.43-inch inside diameter. Darkened area indicates soil recovered

Classification sample taken with Standard Penetration Test sampler

Undisturbed sample taken with thin-walled tube

Disturbed sample

Sampling attempted with no recovery

Core sample

Analytical laboratory sample

Sample taken with Direct Push or Drive sampler

Sonic

SAMPLER TYPE

C Core barrel

CA California split-barrel sampler with 2.5-inch outside diameter and a 1.93-inch inside diameter

D&M Dames & Moore piston sampler using 2.5-inch outside diameter, thin-walled tube

O Osterberg piston sampler using 3.0-inch outside diameter, thin-walled Shelby tube

PT Pitcher tube sampler using 3.0-inch outside diameter, thin-walled Shelby tube

S&H Sprague & Henwood split-barrel sampler with a 3.0-inch outside diameter and a 2.43-inch inside diameter

SPT Standard Penetration Test (SPT) split-barrel sampler with a 2.0-inch outside diameter and a 1.38- or 1.5-inch inside diameter - see report text

ST Shelby Tube (3.0-inch outside diameter, thin-walled tube) advanced with hydraulic pressure

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Project
SAN LUIS OBISPO COURTHOUSE
1144 MONTEREY STREET
SAN LUIS OBISPO
SAN LUIS OBISPO COUNTY CALIFORNIA

Figure Title
SOIL CLASSIFICATION CHART

Project No. 750680202
Date 10/11/2024
Drawn By AG
Checked By JDO

Figure
A-12

Filename: C:\bms\langan-pw-01\d0288439\FG01-750680201-B-GI0101.dwg Date: 10/2/2024 Time: 09:22 User: agekas Style Table: Langan.stb Layout: SOIL CHART

I FRACTURING

Intensity	Size of Pieces in Feet
Very little fractured	Greater than 4.0
Occasionally fractured	1.0 to 4.0
Moderately fractured	0.5 to 1.0
Closely fractured	0.1 to 0.5
Intensely fractured	0.05 to 0.1
Crushed	Less than 0.05

II HARDNESS

1. **Soft** - reserved for plastic material alone.
2. **Low hardness** - can be gouged deeply or carved easily with a knife blade.
3. **Moderately hard** - can be readily scratched by a knife blade; scratch leaves a heavy trace of dust and is readily visible after the powder has been blown away.
4. **Hard** - can be scratched with difficulty; scratch produced a little powder and is often faintly visible.
5. **Very hard** - cannot be scratched with knife blade; leaves a metallic streak.

III STRENGTH

1. **Plastic** or very low strength.
2. **Friable** - crumbles easily by rubbing with fingers.
3. **Weak** - an unfractured specimen of such material will crumble under light hammer blows.
4. **Moderately strong** - specimen will withstand a few heavy hammer blows before breaking.
5. **Strong** - specimen will withstand a few heavy ringing hammer blows and will yield with difficulty only dust and small flying fragments.
6. **Very strong** - specimen will resist heavy ringing hammer blows and will yield with difficulty only dust and small flying fragments.

IV WEATHERING - The physical and chemical disintegration and decomposition of rocks and minerals by natural processes such as oxidation, reduction, hydration, solution, carbonation, and freezing and thawing.

D. Deep - moderate to complete mineral decomposition; extensive disintegration; deep and thorough discoloration; many fractures, all extensively coated or filled with oxides, carbonates and/or clay or silt.

M. Moderate - slight change or partial decomposition of minerals; little disintegration; cementation little to unaffected. Moderate to occasionally intense discoloration. Moderately coated fractures.

L. Little - no megascopic decomposition of minerals; little of no effect on normal cementation. Slight and intermittent, or localized discoloration. Few stains on fracture surfaces.

F. Fresh - unaffected by weathering agents. No disintegration of discoloration. Fractures usually less numerous than joints.

ADDITIONAL COMMENTS:

V CONSOLIDATION OF SEDIMENTARY ROCKS: usually determined from unweathered samples. Largely dependent on cementation.

U = unconsolidated
P = poorly consolidated
M = moderately consolidated
W = well consolidated

VI BEDDING OF SEDIMENTARY ROCKS

Splitting Property	Thickness	Stratification
Massive	Greater than 4.0 ft.	very thick-bedded
Blocky	2.0 to 4.0 ft.	thick bedded
Slabby	0.2 to 2.0 ft.	thin bedded
Flaggy	0.05 to 0.2 ft.	very thin-bedded
Shaly or platy	0.01 to 0.05 ft.	laminated
Papery	less than 0.01	thinly laminated

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Project
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Figure Title
PHYSICAL PROPERTIES CRITERIA FOR ROCK DESCRIPTIONS

Project No. 750680202
Date 10/11/2024
Drawn By AG
Checked By JDO

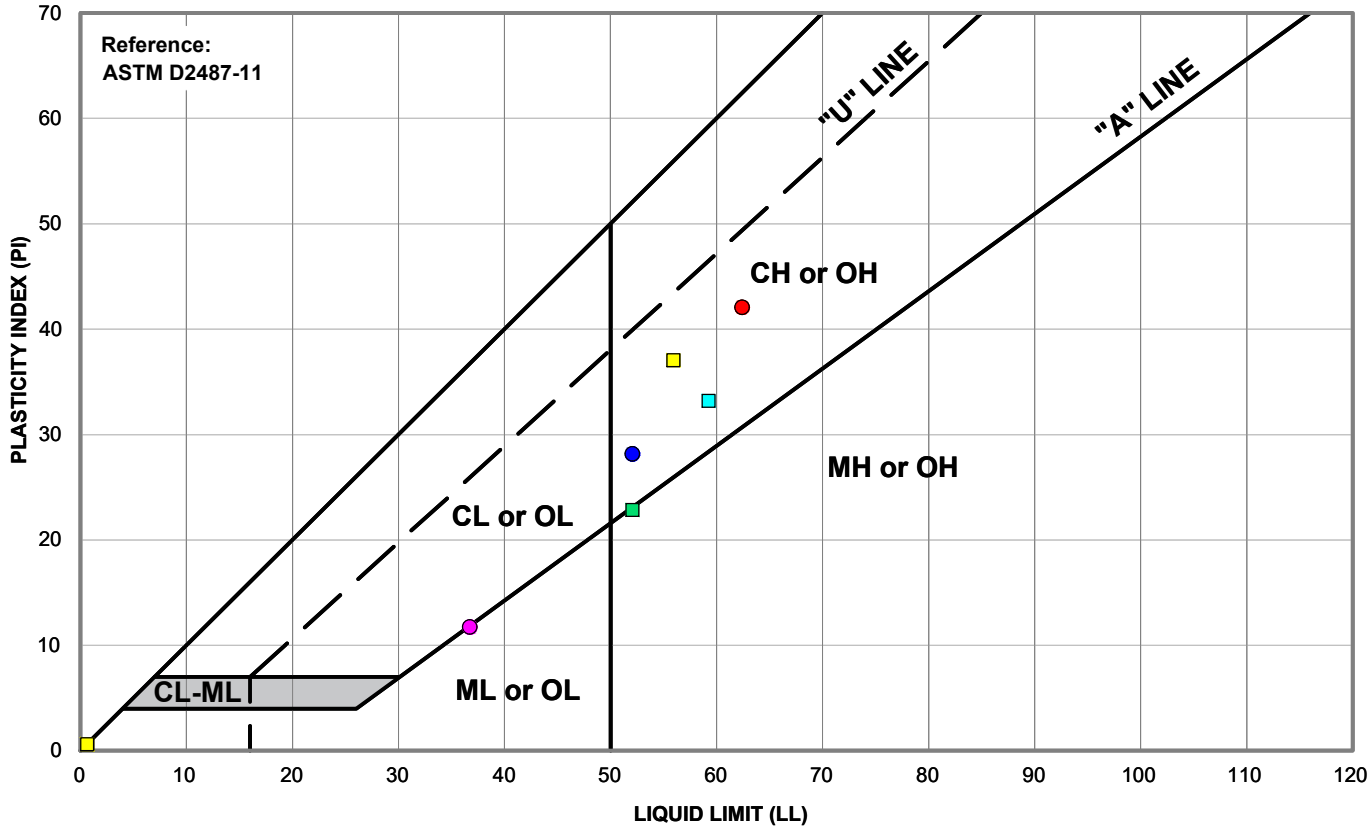
Figure
A-13

Filename: C:\bms\langan-pw-01\d0288439\FG01-750680201-B-GI0101.dwg Date: 10/2/2024 Time: 09:23 User: agekas Style Table: Langan.stb Layout: ROCK CHART

APPENDIX B

LABORATORY TEST RESULTS

PLASTICITY CHART



Symbol	Source	Description and Classification	Natural M.C. (%)	Liquid Limit (%)	Plasticity Index (%)	% Passing #200 Sieve
●	B-2 at 2 feet	CLAY with SAND (CH), dark brown	--	52	28	--
■	B-2 at 6 feet	CLAYEY SILTY GRAVEL with SAND (GC-GM), orange-brown	21.2	52	23	30.0
■	B-3 at 1.5 feet	CLAY with SAND (CH), gray-brown and red-brown	--	59	33	--
●	B-4 at 5 feet	CLAYEY SILTY SAND with GRAVEL (SC-SM), brown	16.6	37	12	28.1
●	B-5 at 1 to 5 feet	CLAY with SAND and GRAVEL (CH), olive-brown	--	62	42	--
■	P-1 at 0.5 to 5 feet	SANDY CLAY with GRAVEL (CH), red-brown to dark brown	--	56	37	--

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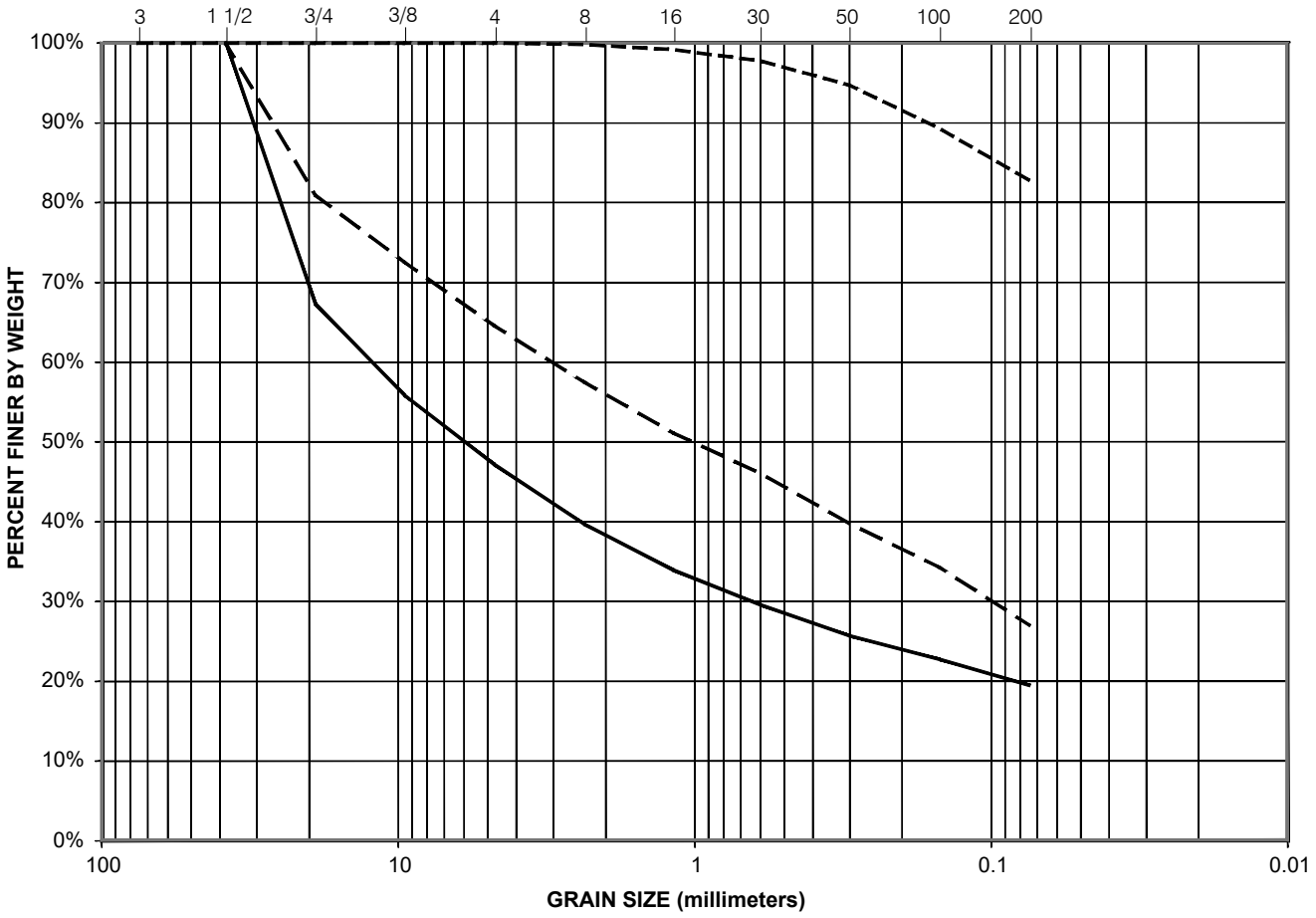
Figure Title
PLASTICITY CHART

Project No. 750680202
Date 10/11/2024
Drawn By AG
Checked By JDO

Figure
B-1

Filename: C:\bms\langan-pw-01\d0288439\FG01-750680201-B-GI0101.dwg Date: 10/9/2024 Time: 16:56 User: agekas Style Table: Langan.stb Layout: B-1 PLASTICITY CHART

U.S. Standard Sieve Size (in.) — U.S. Standard Sieve Numbers — Hydrometer



Sample Source	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
B-3 at 10 feet	32.6	20.1	8.9	10.7	8.2	19.5	
B-3 at 21 feet	19.0	16.3	8.7	13.1	15.9	27.0	
B-8 at 6 feet	0	0	0.2	2.1	15.0	82.7	

Symbol	Sample Source	Classification
———	B-3 at 10 feet	CLAYEY GRAVEL with SAND (GC), olive, light brown and red-brown
– – – –	B-3 at 21 feet	CLAYEY SAND with GRAVEL (SC), olive, light brown and dark brown
- - - - - -	B-8 at 6 feet	CLAY with SAND (CL), gray-brown

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Project
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1144 MONTEREY STREET
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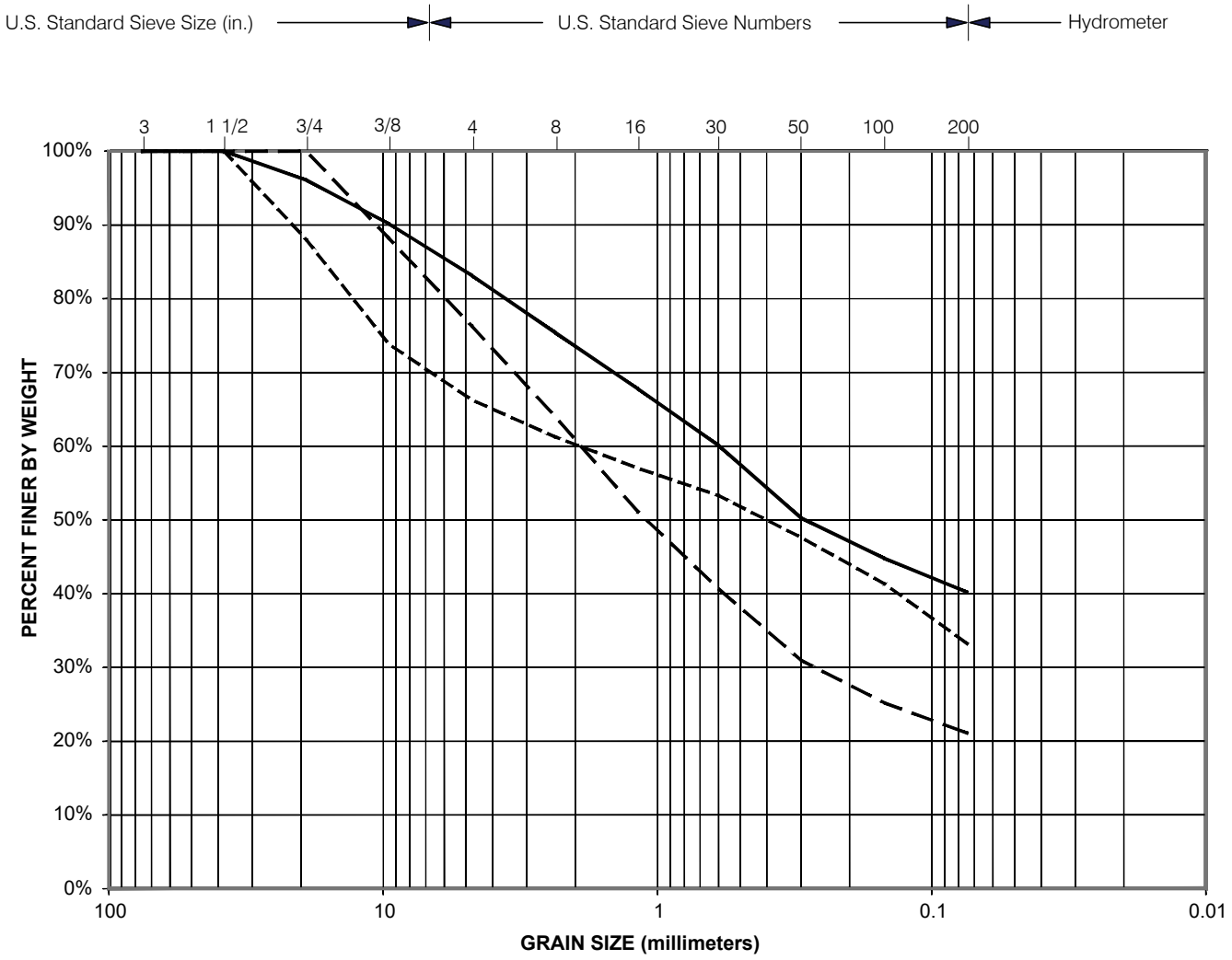
Figure Title
PARTICLE SIZE ANALYSIS

Project No. 750680202
Date 10/11/2024
Drawn By JPC/AG
Checked By JDO

Figure
B-2

Filename: C:\bms\langan-pw-01\d0288439\FG01-750680201-B-GI0101.dwg Date: 10/11/2024 Time: 14:45 User: agekas Style Table: Langan.stb Layout: B-2 PARTICLE SIZE



Sample Source	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
B-9 at 6 feet	0	9.9	14.6	15.3	20.0	40.2	
B-9 at 11 feet	0	11.8	24.2	23.3	19.6	21.1	
B-10 at 6 feet	0	26.2	12.6	7.9	20.1	33.2	

Symbol	Sample Source	Classification
———	B-9 at 6 feet	CLAYEY SAND with GRAVEL (SC), brown
– – – –	B-9 at 11 feet	CLAYEY SAND with GRAVEL (SC), yellow-brown
– – – – – –	B-10 at 6 feet	CLAYEY SAND with GRAVEL (SC), olive with orange mottlling

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Project
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Figure Title
PARTICLE SIZE ANALYSIS

Project No. 750680202
Date 10/11/2024
Drawn By AG
Checked By JDO

Figure
B-3

Filename: C:\bms\langan-pw-01\d0288439\FG01-750680201-B-GI0101.dwg Date: 10/11/2024 Time: 14:46 User: agekas Style Table: Langan.stb Layout: B-3 PARTICLE SIZE

COOPER TESTING LABORATORY

Expansion Index

ASTM D-4829-07 _X

CTL Job No.:	010-1170	**Boring:**	B-1 (1144 Monterey Street)	**Date:**	3/20/2023
Client:	Langan Engineering & Environmental Services	**Sample:**	BULK	**By:**	PJ
Project Name:	San Luis Obisbo Courthouse	**Depth:**	1-5'		
Project No:					
Visual Description:	CLAY (CL), red-brown				

Processing:

Percent Passing #4 Sieve

Total Air Dry Weight:	N/A
Wt. Retained on #4 Sieve:	N/A
% Retained	N/A
% Passing #4 Sieve:	N/A

Sample Dimensions

Height (in.)= 1.001 **Diameter (in.) =** 4.017

Moisture Calcs

	Initial	Final
Tare #		
Wet Wt. + Tare, (gm)	679.4	734.9
Dry Wt. + Tare, (gm)	635.7	635.7
Tare Wt., (gm)	113.2	113.2
Wt. Of Water, (gm)	43.7	99.2
% Water	13.4	30.3

Remolding:

Tamp two lifts, 15 blows/lift @ slightly below optimum moisture content

	Initial	Final	
Ring & Sample:	566.2	621.7	grams
Ring:	195.6	195.6	grams
Remolded Wet Wt.:	370.6	426.1	grams
Wet Density	111.3	117.9	pcf
Dry Density	98.2	90.4	pcf
% Sat. = (2.7)(dry dens.)(m/c) / 168.48 - (dry dens.)	50.4	94.9	UBC Saturation range 49-51% ASTM Saturation range 48-52%

Expansion Test:

Date	Time	Dial	Delta h, %
3/16/2023	14:55	0.0000	0.000
3/16/2023	15:07	-0.0213	2.128
3/17/2023	11:22	-0.0857	8.561
3/17/2023	13:56	-0.0858	8.571
		Total Dial	8.6

Tested with 1 psi Surcharge

Remarks:

Expansion Index Results

initial dial - final dial / initial sample height x 1000

EI = 86

This test is a simplified index test and may not show the full potential for expansion and/or shrinkage. Use result with caution! See ASTM D 3877 or D4546

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Project: SAN LUIS OBISPO COURTHOUSE
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Figure Title: EXPANSION INDEX TEST REPORT

Project No. 750680202
Date 10/11/2024
Drawn By JPC
Checked By JDO

Figure B-4

Filename: C:\bms\langan-pw-01\d0288439\FG01-750680201-B-GI0101.dwg Date: 10/2/2024 Time: 11:11 User: agekas Style Table: Langan.stb Layout: B-4 Expansion Index Report

COOPER TESTING LABORATORY

Expansion Index

ASTM D-4829-07 _X

CTL Job No.:	010-1177	**Boring:**	P-1	**Date:**	9/19/2024
Client:	Langan	**Sample:**	1	**By:**	PJ
Project Name:	San Luis Obispo CH	**Depth:**	0.5-5.0'		
Project No:	750680202.1.1				

Visual Description: SANDY CLAY with GRAVEL (CH), red-brown to dark brown

Processing:

Percent Passing #4 Sieve

Total Air Dry Weight:	N/A
Wt. Retained on #4 Sieve:	N/A
% Retained	N/A
% Passing #4 Sieve:	N/A

Sample Dimensions

Height (in.)= 1.007 **Diameter (in.) =** 4.007

Moisture Calcs

	Initial	Final
Tare #		
Wet Wt. + Tare, (gm)	779.6	831.9
Dry Wt. + Tare, (gm)	733.7	733.7
Tare Wt., (gm)	57.7	57.7
Wt. Of Water, (gm)	45.9	98.1
% Water	14.6	31.2

Remolding:

Tamp two lifts, 15 blows/lift @ slightly below optimum moisture content

	Initial	Final	
Ring & Sample:	721.9	774.1	grams
Ring:	361.7	361.7	grams
Remolded Wet Wt.:	360.2	412.5	grams
Wet Density	108.1	114.8	pcf
Dry Density	94.3	87.5	pcf
% Sat. = $\frac{(2.7)(\text{dry dens.})(m/c)}{168.48 - (\text{dry dens.})}$	50.1	91.1	UBC Saturation range 49-51% ASTM Saturation range 48-52%

Expansion Test:

Date	Time	Dial	Delta h, %
9/17/2024	12:34	0.0000	0.000
9/17/2024	12:36	-0.0013	0.129
9/17/2024	12:43	-0.0200	1.986
9/17/2024	15:44	-0.0744	7.388
9/18/2024	10:11	-0.0783	7.776
9/18/2024	12:31	-0.0784	7.786
		Total Dial	7.8

Tested with 1 psi Surcharge

Remarks:

Expansion Index

$\frac{\text{initial dial - final dial}}{\text{initial sample height}} \times 1000$

Results

EI = 78

This test is a simplified index test and may not show the full potential for expansion and/or shrinkage. Use result with caution! See ASTM D 3877 or D4546

LANGAN

Langan CA, Inc.
1814 Franklin Street, Suite 505
Oakland, CA 94612

T: 510.874.7000 F: 510.874.7001 www.langan.com

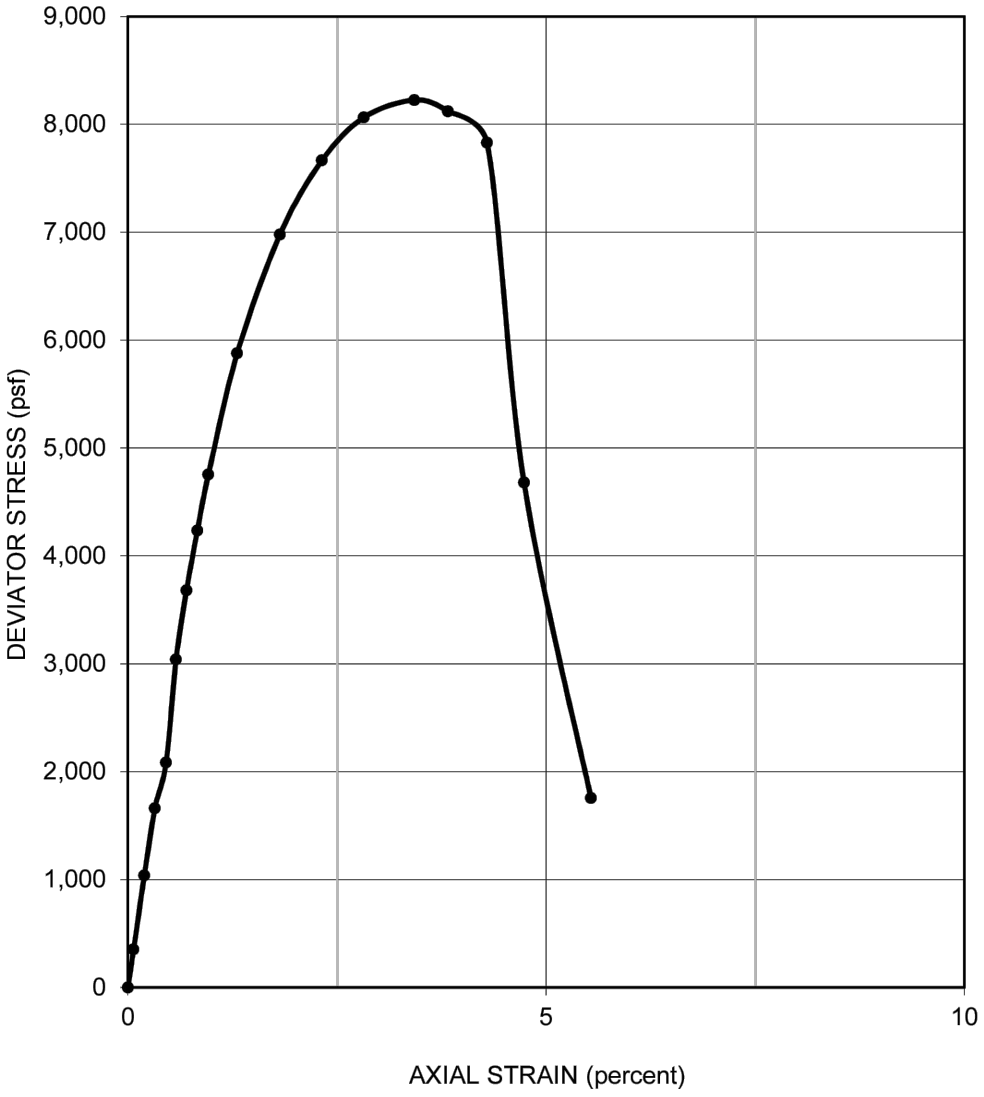
Project: SAN LUIS OBISPO COURTHOUSE
1144 MONTEREY STREET
SAN LUIS OBISPO
SAN LUIS OBISPO COUNTY CALIFORNIA

Figure Title: EXPANSION INDEX TEST REPORT

Project No. 750680202
Date 10/11/2024
Drawn By JPC
Checked By JDO

Figure B-5

Filename: C:\bms\langan-pw-01\d0288439\FG01-750680201-B-GI0101.dwg Date: 10/11/2024 Time: 14:51 User: agekas Style Table: Langan.stb Layout: B-5 Expansion Report



SAMPLER TYPE: Sprague & Henwood			SHEAR STRENGTH:	4,110	psf
DIAMETER (in.): 2.38	HEIGHT (in.): 4.99		STRAIN AT FAILURE:	3.4	%
MOISTURE CONTENT:	20.1	%	CONFINING PRESSURE:	600	psf
DRY DENSITY:	106	pcf	STRAIN RATE:	0.75	% / min
DESCRIPTION: CLAY with SAND (CL), yellow-brown			SOURCE:	B-1 at 6 feet	

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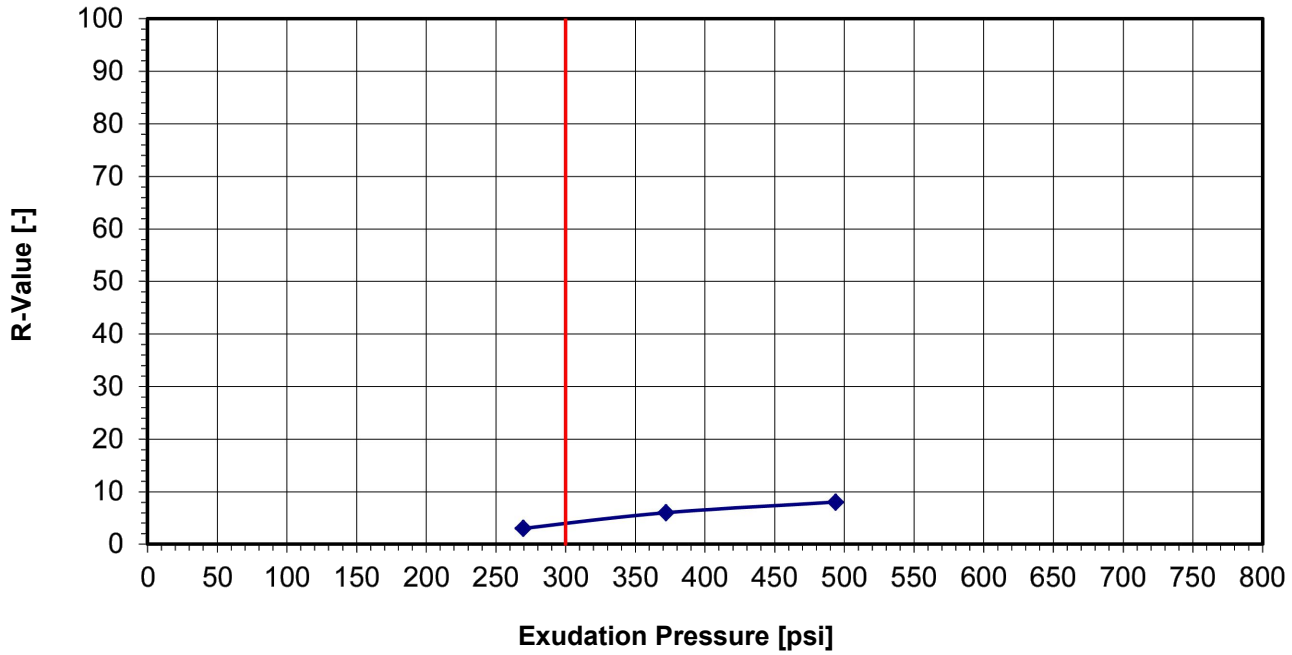
Project
SAN LUIS OBISPO COURTHOUSE
1144 MONTEREY STREET
SAN LUIS OBISPO
SAN LUIS OBISPO COUNTY CALIFORNIA

Figure Title
UNCONSOLIDATED-UNDRAINED TRIAXIAL COMPRESSION TEST

Project No. 750680202
Date 10/11/2024
Drawn By JPC
Checked By JDO

Figure
B-6

Filename: C:\bms\langan-pw-01\d0288439\FG01-750680201-B-GI0101.dwg Date: 10/2/2024 Time: 11:21 User: agekas Style Table: Langan.stb Layout: B-4 TXUU



Sample ID	A	B	C	D
Water Content (%)	23.6	20.9	18.6	--
Dry Density (pcf)	98.9	103.1	107.2	--
Exudation Pressure (psi)	270	372	494	--
Expansion Pressure (psf)	0	0	0	--
Resistance Value (R)	3	6	8	--

Sample Source	Sample Description	Sand Equivalent	Expansion Pressure	R-Value
B-5 at 1 to 5 feet	CLAY with SAND and GRAVEL (CH), olive-brown	--	--	<5

LANGAN
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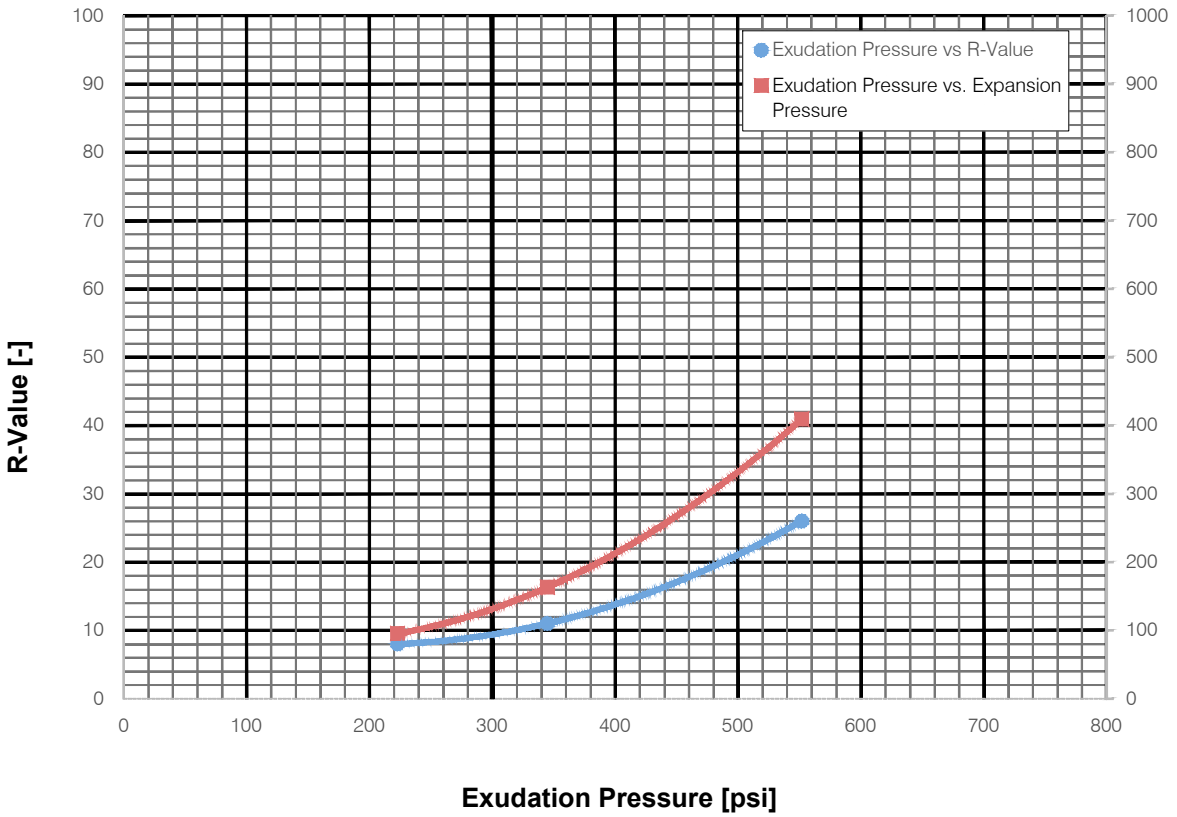
Project
SAN LUIS OBISPO COURTHOUSE
1144 MONTEREY STREET
SAN LUIS OBISPO
SAN LUIS OBISPO COUNTY CALIFORNIA

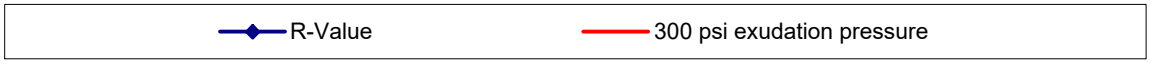
Figure Title
RESISTANCE VALUE TEST REPORT

Project No. 750680202
Date 10/11/2024
Drawn By JPC
Checked By JDO

Figure
B-7

Filename: C:\bms\langan-pw-01\d0288439\FG01-750680201-B-GI0101.dwg Date: 10/2/2024 Time: 11:23 User: agekas Style Table: Langan.stb Layout: B-5 R-VALUE TEST REPORT





Sample ID	A	B	C	D
Water Content (%)	21.2	24.0	26.0	--
Dry Density (pcf)	102.3	100.3	92.6	--
Exudation Pressure (psi)	552	345	223	--
Expansion Pressure (psf)	409	163	95	--
Resistance Value (R)	26	11	8	--

Sample Source	Sample Description	Sand Equivalent	Expansion Pressure	R-Value
P-1 at 0.5 to 5 feet	SANDY CLAY with GRAVEL (CH), red-brown to dark brown	--	--	9

LANGAN
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Project
SAN LUIS OBISPO COURTHOUSE
1144 MONTEREY STREET
SAN LUIS OBISPO
SAN LUIS OBISPO COUNTY CALIFORNIA

Figure Title
RESISTANCE VALUE TEST REPORT

Project No. 750680202
Date 10/11/2024
Drawn By JPC
Checked By JDO

Figure
B-8

Filename: C:\bms\langan-pw-01\d0288439\FG01-750680201-B-GI0101.dwg Date: 10/10/2024 Time: 09:25 User: agekas Style Table: Langan.stb Layout: B-8 R-VALUE

APPENDIX C

CORROSIVITY AND PRELIMINARY ASBESTOS CONTENT TEST RESULTS

CERCO analytical
1100 Willow Pass Court, Suite A
Concord, CA 94520-1006
925 462 2771 Fax. 925 462 2775
www.cercoanalytical.com

18 September, 2024

Job No. 2409026
Cust. No. 10727

Mr. Jon Oyan
Langan
135 Main Street, Suite 1500
San Francisco, CA 94105

Subject: Project No.: 750680202
Project Name: San Luis Obispo CH
Corrosivity Analysis – ASTM Methods

Dear Mr. Oyan:

Pursuant to your request, CERCO Analytical has analyzed the soil samples submitted on September 12, 2024. Based on the analytical results, this brief corrosivity evaluation is enclosed for your consideration.

Based upon the resistivity measurements, both samples are classified as "corrosive". All buried iron, steel, cast iron, ductile iron, galvanized steel and dielectric coated steel or iron should be properly protected against corrosion depending upon the critical nature of the structure. All buried metallic pressure piping such as ductile iron firewater pipelines should be protected against corrosion.

The chloride ion concentrations are 51 mg/kg and 17 mg/kg. Because the chloride ion concentrations are less than 300 mg/kg, they are determined to be insufficient to attack steel embedded in a concrete mortar coating.

The sulfate ion concentrations are 120 mg/kg and 52 mg/kg and are determined to be insufficient to damage reinforced concrete structures and cement mortar-coated steel at these locations.

The pH of the soils are 7.37 and 9.33, which does not present corrosion problems for buried iron, steel, mortar-coated steel and reinforced concrete structures.

The redox potentials are 190-mV and 210-mV. Sample No. 001 is indicative of potentially "moderately corrosive" soils and Sample No.002 is indicative of potentially "slightly corrosive" soils resulting from anaerobic soil conditions.

This corrosivity evaluation is based on general corrosion engineering standards and is non-specific in nature. For specific long-term corrosion control design recommendations or consultation, please call *JDH Corrosion Consultants, Inc. at (925) 927-6630.*

We appreciate the opportunity of working with you on this project. If you have any questions, or if you require further information, please do not hesitate to contact us.

Very truly yours,
CERCO ANALYTICAL, INC.

J. Darby Howard, Jr., P.E.
President

JDH/jdl
Enclosure

CERCO analytical
1100 Willow Pass Court, Suite A
Concord, CA 94520-1006
925 462 2771 Fax. 925 462 2775
www.cercoanalytical.com

Client: Langan
Client's Project No.: 750680202
Client's Project Name: San Luis Obispo CH
Date Sampled: not indicated
Date Received: 12-Sep-24
Matrix: Soil
Authorization: Chain of Custody

Date of Report: 18-Sep-2024

Job/Sample No.	Sample I.D.	Redox (mV)	pH	Conductivity (umhos/cm)*	Resistivity (100% Saturation) (ohms-cm)	Sulfide (mg/kg)*	Chloride (mg/kg)*	Sulfate (mg/kg)*
2409026-001	B-8, sample no. 1 @ 1.5'	190	9.33	-	1,000	-	51	120
2409026-002	B-10, sample no. 2 @ 3.5'	210	7.37	-	530	-	17	52

Method:	ASTM D1498	ASTM D4972	ASTM D1125M	ASTM G57	ASTM D4658M	ASTM D4327	ASTM D4327
Reporting Limit:	-	-	10	-	50	15	15
Date Analyzed:	13-Sep-2024	13-Sep-2024	-	17-Sep-2024	-	13-Sep-2024	13-Sep-2024

Julia Clauson
Chemist

* Results Reported on "As Received" Basis
N.D. - None Detected

Quality Control Summary - All laboratory quality control parameters were found to be within established limits

CERCO analytical
1100 Willow Pass Court, Suite A
Concord, CA 94520-1006
925 462 2771 Fax. 925 462 2775
www.cercoanalytical.com

28 March, 2023

Job No. 2303015
Cust. No. 11308

Mr. Taylor Gater
Langan Engineering
1814 Franklin St., Suite 505
Oakland, CA 94612

Subject: Project No.: 750680201.700.004.0
Project Name: San Luis Obispo Courthouse
Corrosivity Analysis – ASTM Test Methods

Dear Mr. Gater:

Pursuant to your request, CERCO Analytical has analyzed the soil samples submitted on March 13, 2023. Based on the analytical results, a brief corrosivity evaluation is enclosed for your consideration.

Based upon the resistivity measurements, both samples are classified as "corrosive". All buried iron, steel, cast iron, ductile iron, galvanized steel and dielectric coated steel or iron should be properly protected against corrosion depending upon the critical nature of the structure. All buried metallic pressure piping such as ductile iron firewater pipelines should be protected against corrosion.

The chloride ion concentrations reflect none detected with a reporting limit of 15 mg/kg.

The sulfate ion concentrations are none detected and 120 mg/kg and are determined to be insufficient to damage reinforced concrete structures and cement mortar-coated steel at these locations.

The pH of the soils are 7.21 and 7.90, which does not present corrosion problems for buried iron, steel, mortar-coated steel and reinforced concrete structures.

The redox potentials are 170-mV and 260-mV. Sample No.002 is indicative of potentially "moderately corrosivc" soil and Sample No.001 is indicative of potentially "slightly corrosive" soil resulting from anaerobic soil conditions.

This corrosivity evaluation is based on general corrosion engineering standards and is non-specific in nature. For specific long-term corrosion control design recommendations or consultation, please call JDH Corrosion Consultants, Inc. at (925) 927-6630.

We appreciate the opportunity of working with you on this project. If you have any questions, or if you require further information, please do not hesitate to contact us.

Very truly yours,
CERCO ANALYTICAL, INC.

Sharon Moore
for J. Darby Howard, Jr., P.E.
President

JDH/jdl
Enclosure

CERCO analytical
1100 Willow Pass Court, Suite A
Concord, CA 94520-1006
925 462 2771 Fax. 925 462 2775
www.cercoanalytical.com

Client: Langan
Client's Project No.: 750680201.700.004.0
Client's Project Name: San Luis Obispo Courthouse
Date Sampled: Not Indicated
Date Received: 13-Mar-2023
Matrix: Soil
Authorization: Signed Chain of Custody

Date of Report: 28-Mar-2023

Job/Sample No.	Sample I.D.	Redox (mV)	pH	Resistivity (As Received) (ohms-cm)	Resistivity (100% Saturation) (ohms-cm)	Sulfide (mg/kg)*	Chloride (mg/kg)*	Sulfate (mg/kg)*
2303015-001	B-1 - 1144 Monterey Street	260	7.21	-	1,300	-	N.D.	120
2303015-002	B-3 - 2191 Johnson Avenue	170	7.90	-	1,200	-	N.D.	N.D.

Method:	ASTM D1498	ASTM D4972	ASTM G57	ASTM G57	ASTM D4658M	ASTM D4327	ASTM D4327
Reporting Limit:	-	-	-	-	50	15	75
Date Analyzed:	23-Mar-2023	23-Mar-2023	-	24-Mar-2023 & 28-Mar-2023	-	23-Mar-2023	23-Mar-2023

Sherri Moore
Chemist

* Results Reported on "As Received" Basis
N.D. - None Detected

Quality Control Summary - **All laboratory quality control parameters were found to be within established limits**

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder:	2303A07
Report Created for:	Langan 1814 Franklin Street, Suite 505 Oakland, CA 94612
Project Contact:	Taylor Gater
Project P.O.:	
Project:	750680201/700/004.0; San Luis Obispo Courthouse-1144 Monterey Street
Project Received:	03/14/2023

Analytical Report reviewed & approved for release on 03/21/2023 by:

Yen Cao

Project Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com

CA ELAP 1644 ♦ NELAP 4033 ORELAP

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2303A07

Project: 750680201/700/004.0; San Luis Obispo Courthouse- 1144 Monterey Street

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.)

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2303A07

Project: 750680201/700/004.0; San Luis Obispo Courthouse- 1144 Monterey Street

TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

k20	CARB 435 Exception 1 - No asbestos detected. The limit of quantitation (LOQ) = 0.1%.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Langan	**WorkOrder:**	2303A07
Date Received:	03/14/2023 15:10	**Extraction Method:**	CARB 435 Asbestos
Date Prepared:	03/15/2023	**Analytical Method:**	435 CARB
Project:	750680201/700/004.0; San Luis Obispo Courthouse- 1144 Monterey Street	**Unit:**	%

Asbestos (CARB 435) 1000 Point Count

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-4, Sample 3 at 10 feet depth	2303A07-001A	Soil	02/28/2023 17:00	Microscope	265820

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.10	1	03/16/2023 10:00

Analyst(s): DA

Analytical Comments: k20

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-4, Sample 4 at 15 feet depth	2303A07-002A	Soil	02/28/2023 17:00	Microscope	265820

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.10	1	03/16/2023 10:50

Analyst(s): DA

Analytical Comments: k20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2303A07 **ClientCode: TWRK**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☐ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Excel

Report to:
Taylor Gater
Langan
1814 Franklin Street, Suite 505
Oakland, CA 94612
(415) 955-9040 FAX: (415) 955-9041

Email: tgater@langan.com
cc/3rd Party:
PO:
Project: 750680201/700/004.0; San Luis Obispo Courthouse- 1144 Monterey Street

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: **5 days;**

Date Received: **03/14/2023**
Date Logged: **03/15/2023**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
2303A07-001	B-4, Sample 3 at 10 feet depth	Soil	2/28/2023 17:00	☐	A	A										
2303A07-002	B-4, Sample 4 at 15 feet depth	Soil	2/28/2023 17:00	☐	A	A										

Test Legend:

1	CARB435_1000	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Agustina Venegas

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Taylor Gater
Contact's Email: tgater@langan.com

Project: 750680201/700/004.0; San Luis Obispo Courthouse- 1144 Monterey Street
Comments:

Work Order: 2303A07
QC Level: LEVEL 2
Date Logged: 3/15/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	B-4, Sample 3 at 10 feet depth	Soil	Asbestos, CARB 435, 1000 Point	1	Plastic Baggie, Medium	☐	☐	☐	2/28/2023 17:00	5 days	3/21/2023		☐	☐
002A	B-4, Sample 4 at 15 feet depth	Soil	Asbestos, CARB 435, 1000 Point	1	Plastic Baggie, Medium	☐	☐	☐	2/28/2023 17:00	5 days	3/21/2023		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

MAI Work Order # 2303A07

McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701
Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Dry Weight | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | Detect Summary

Report To: Taylor Gater — Bill To: Langan Engineering & Environmental Services
Company: Langan Engineering and Environmental Services
Address: 1814 Franklin Street Suite 505, Oakland, CA 94612
Email: tgater@langan.com — Tele: 805-748-8639
Project Name: San Luis Obispo Courthouse - 1144 Monterey Street — Project #: 750680201 / 700 / 004.0
Project Location: San Luis Obispo, California — PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
B-4, Sample 3 at 10 feet depth	2/28/2023	5:00PM	1	Soil/Rock	N/A
B-4, Sample 4 at 15 feet depth	2/28/2023	5:00PM	1	Soil/Rock	N/A

Analysis Requested

Multi Range as Gas, Diesel, and Motor Oil (8021/8015) (Multi Range TPH)	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs) 8260B	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)*	Baylands Requirements	Lab to filter sample for dissolved metals analysis	Asbestos CARB 435 - 1000 pt		
																●		
																●		

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Jon Ogan / Langan	3/14			3/14/23	1345
	3/14/23	1510		3/14/2023	1510

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 3.0 °C Initials

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Langan	Date and Time Received:	3/14/2023 15:10
Project:	750680201/700/004.0; San Luis Obispo Courthouse- 1144 Monterey Street	Date Logged:	3/15/2023
		Received by:	Agustina Venegas
WorkOrder №:	2303A07 Matrix: Soil	Logged by:	Agustina Venegas
Carrier:	Antonio Mason (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☐	No	☑		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 3°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

APPENDIX D

GEOPHYSICAL TEST RESULTS

Geophysical Report

San Luis Obispo Courthouse

1144 Monterey Street

San Luis Obispo, California

September 18, 2024

Terracon Project No. NS245101

Prepared for:

LANGAN

ENGINEERING & ENVIRONMENTAL SERVICES

Prepared by:

Terracon

Geophysical Services

Terracon Consultants, Inc. – Sonoma County Office 321A Blodgett Street Cotati, California 94931

(707) 796-7170 terracon.com

September 18, 2024

Langan Engineering and Environmental Services, Inc.
1814 Franklin Street, Suite 505
Oakland, California 94612

Attention: Ms. Elena Ayers

Subject: San Luis Obispo Courthouse
1144 Monterey Street
San Luis Obispo, California
Terracon Project No. NS245101

Dear Ms. Ayers,

This report presents the findings of a geophysical investigation performed by Terracon Consultants, Inc., Sonoma County Office (Terracon), formerly NORCAL Geophysical Consultants. The survey was performed for Langan Engineering and Environmental Services, Inc. (Langan) at 1144 Monterey Street, San Luis Obispo, California. The investigation was performed using the seismic refraction (SR) geophysical survey method.

This geophysical investigation is supplemental to a geotechnical investigation currently underway by Langan. The work was authorized under a Langan Subcontractor Authorization for Langan Project No. 750680202, dated August 1, 2024. Terracon Professional Geophysicist David T. Hagin (CA PGp No. 1033) and Staff Geophysicist Max T. C. Sperry conducted the survey on August 23, 2024.

The scope of Terracon's services for this project consisted of using geophysical methods to characterize the subsurface. The accuracy of our findings is subject to specific site conditions and limitations inherent to the techniques used. We performed our services in a manner consistent with the standard of care ordinarily exercised by members of the profession currently employing similar methods. No warranty, with respect to the performance of services delivered under this agreement, express or implied, is made by Terracon.

We appreciate having the opportunity to provide our services for this project. If you have any questions or require additional geophysical services, please do not hesitate to call on us.

Sincerely,
Terracon Consultants, Inc.

David T. Hagin
California Professional Geophysicist
PGp 1033

PROFESSIONAL GEOPHYSICIST
DAVID T HAGIN
No. 1033
STATE OF CALIFORNIA
9-18-2024

Donald J. Kirker, SME
California Professional Geophysicist
PGp No. 997

PROFESSIONAL GEOPHYSICIST
DONALD KIRKER
No. 997
STATE OF CALIFORNIA
9-18-2024

1.0 INTRODUCTION

San Luis Obispo County is currently in the acquisition phase for the development of a new courthouse. Langan is currently performing a geotechnical evaluation of the commercial site at 1144 Monterey Street for development. This geophysical investigation is supplemental to Langan's geotechnical investigation. Langan provided information regarding the depth to rock (shale) at two locations. Rock was encountered at 6.5-ft in Boring B-8 and at 13.5-ft in Boring B-9.

The geophysical investigation consisted of using the seismic refraction (SR) method. The SR method provides seismic p-wave velocity values that we interpret to assess the thickness of overburden (depth to rock), the character of the underlying rock and the configuration of the bedrock surface.

2.0 SITE CONDITIONS

The following description of site conditions is derived from information provided by Langan, our observations during the survey and a review of publicly available aerial photographs, geologic and topographic maps.

Item	Description
Site Information	The site under consideration is currently occupied by a San Luis Obispo County Parks & Recreation office surrounded by asphalt-paved parking areas. The approximate geographic coordinates of the center of the survey area are: (35°17'00.0"N 120°39'33.8"W).
Survey Sites	The seismic surveys were performed along the southwestern site boundary, adjacent a commercial structure, and along the northeastern boundary, adjacent to Toro Street.
Existing Topography	The site slopes slightly to the southeast, toward Monterey Street. Based on our Trimble Geo7X GPS and Google Earth, survey line elevations range from about 223- to 239-ft (NAVD88).
Site Geology	Available geologic maps (CGS 2010; Gutierrez, Bryant) indicate that the site geology consists of Cretaceous and Jurassic age Franciscan Complex sedimentary and metamorphic rocks. The Cambria Fault zone is approximately 1.5 miles to the northeast and the Los Osos Fault zone is approximately 2.5 miles to the southwest, at their closest points.

3.0 SCOPE OF WORK

Our scope of work consisted of acquiring two SR lines to measure primary compressional-wave (p-wave) velocities. The positioning and designations of the SR lines were determined by Langan.

Aerial photographic images showing the site vicinity, the locations of Lines SR-1 and SR-2 and Borings B-8 and B-9 are provided on **Plate 1 – Site Location Map**, as detailed in the legend.

To provide documentation of our investigation, this geophysical report includes the site location map, details of our data acquisition and processing, as well as the resulting SR profiles. We also provide our interpretations regarding the shallow geologic conditions beneath the survey locations.

4.0 SEISMIC REFRACTION SURVEY

4.1 SR SURVEY METHOD

The SR method is designed to measure subsurface variations in the compressional primary wave (p-wave) velocities, which will be denoted herein as "Vp." Variations in Vp can be indicative of differences in the density and elastic properties of subsurface materials. The Vp values can typically be interpreted to differentiate between bedrock and overburden, as well as to evaluate the underlying bedrock. The SR method provides both vertical and lateral variations in the Vp of subsurface materials. These measurements can then be used to produce a two-dimensional (2D) cross-section (profile) illustrating variations in Vp versus depth and distance beneath the seismic line.

Typically, Vp is dependent on physical properties such as density, hardness, compaction, and induration. However, other factors such as bedding, fracturing, and saturation also affect Vp. In general, the Vp of weathered rock and consolidated or cemented sedimentary deposits are higher than those of unconsolidated sediments or fill material. Within rock, higher Vp values typically correspond with harder, less weathered and/or fractured rock. Therefore, the configuration of Vp values may aid in determining the thickness of sedimentary and soil layers (overburden), the character of the underlying bedrock and the configuration of the bedrock surface.

Detailed descriptions of the SR methodology, the instrumentation we used, our data acquisition, analysis, and interpretation procedures as well as the general limitations of the method are provided in **Appendix A – Seismic Refraction Survey**.

4.2 SR PROFILES

The results of the SR survey are illustrated by the color contoured seismic velocity cross-sections (profiles) shown on **Plates 2 and 3 – Seismic Refraction Profiles**. On each plate, the vertical axis represents elevation (NAVD88), and the horizontal axis represents the survey stationing established for each SR line with the zero-value at the northwestern end of each line. The unit of measure for all axes is the US Survey Foot. The solid black line along the top of the contoured portion of the profiles represents the ground surface. The lengths of Lines SR-2 and SR-2 are 175- and 125-ft, respectively. The maximum depth of investigation is generally determined by the

geologic structure and the greatest shot-to-receiver distance and is estimated to be 35-ft for SR-1 and 25-ft for SR-2.

4.3 SEISMIC P-WAVE VELOCITY VALUES

Seismic p-wave velocity (Vp) is represented by the labeled contours and the color shading between contours and is presented in feet per second (ft/sec). The relationship between color and Vp is specified by the color scale shown below each profile. The color scales are identical (normalized) for ease of comparison.

The Vp measured by the seismic refraction survey ranges from slightly less than 1,000 ft/sec near the surface to greater than 8,000 ft/sec at depth. This velocity range can be differentiated into three sub-ranges which we define herein as low, moderate, and high.

- *Low Vp* ranges from approximately 1,000 to 4,000 ft/sec and is represented by tan to yellow shading. Vp in this range typically represents unsaturated surficial soils, poorly consolidated sedimentary deposits, or fill.

- *Moderate Vp* ranges from 4,000 to 6,000 ft/sec and is shown in shades of green to blue. Vp in this range can represent more consolidated, cemented, or saturated sediments. Weathered and/or fractured rock may also fall within this range.

- *High Vp* ranges from 6,000 to over 8,000 ft/sec and is presented in varying shades of maroon. This range of Vp values is typical of rock with varying degrees of weathering. As Vp increases, weathering and/or fracturing normally decrease.

4.4 OBSERVATIONS

The distribution of Vp values allows for a general interpretation of the subsurface geologic conditions, drawn from the Vp interpretations presented in Section 4.3.

- Both SR profiles display a surficial layer of low Vp (tan, yellow) that likely indicates the presence of soil horizons, unconsolidated sediment and/or fill. This layer is relatively thick on SR-1, ranging from about 10- to 13-ft thick. The layer is thinner on SR-2, at about 2- to 3-feet thick.

- The underlying moderate Vp layer (green, blue) is fairly uniform on SR-1, at approximately 3- to 6-ft thick. This layer shows more variation on SR-2, thickening from about 2-ft thick at the northwestern end of the profile to about

9-ft thick at the southeastern end. We interpret this layer to primarily represent weathered rock.

- High Vp values (maroon), interpreted as representing rock, are seen on both SR lines, with slightly higher Vp near the northwest end of SR-2. The top of the high Vp layer ranges from about 7-ft deep at the northwestern end of SR-2 to nearly 17-ft at either end of SR-1.

- The depth to rock established by Borings B-8 and B-9, 6.5ft and 13.5ft respectively, correlates well with the interpreted results of both SR profiles, as shown by the stick diagrams overlain on the SR profiles.

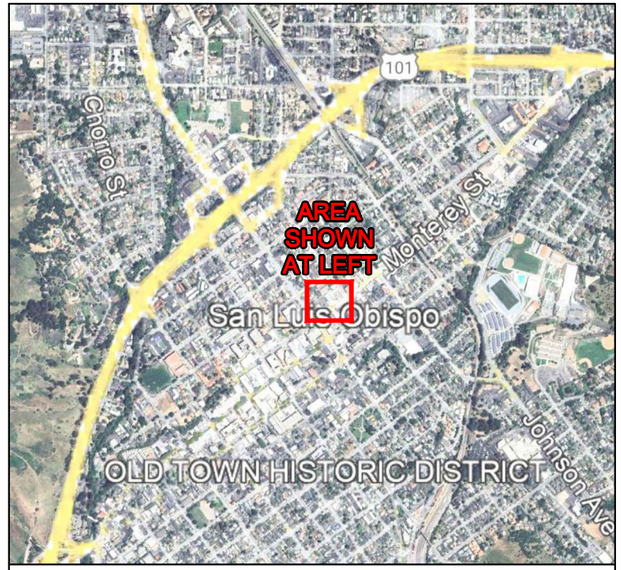
5.0 DISCUSSION

The contour lines are largely horizontal but do show a slight rise in the center of Line SR-1 and deepen toward the southeast on Line SR-2. This indicates some lateral variation in the moderate and high Vp layers that suggest variations in weathering, fracturing or rock type. These differences indicate that variable rippability (excavatability) conditions may be encountered.

Rippability charts developed by The Caterpillar Corporation correlate rippability to seismic p-wave velocity by equipment type (tractor-dozer only), and are included in Appendix A, Section 7.0. Using these charts in combination with the information provided by the SR profiles and the planned cuts may aid in the selection of the appropriate equipment.

6.0 METHOD LIMITATIONS

Geophysical methods are a type of remote sensing technology and have inherent limitations based on the physics involved with each specific method. In understanding the results of this investigation, it is important to understand these limitations and the uncertainties involved in the interpretation of data. Please refer to Appendix A, Section 6.0 for details on these limitations.



VICINITY MAP

N

SCALE

0 25 50 100

(1 inch = 50 feet)

LEGEND

	SEISMIC REFRACTION LINE
	BORING (LANGAN 2024, FOR REFERENCE ONLY)

Terracon
Geophysical Services

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DAVID T HAGIN
No. 1033
STATE OF CALIFORNIA

SITE LOCATION MAP
SEISMIC REFRACTION SURVEY
SAN LUIS OBISPO COURTHOUSE

LOCATION: 1144 MONTEREY STREET, SAN LUIS OBISPO, CA

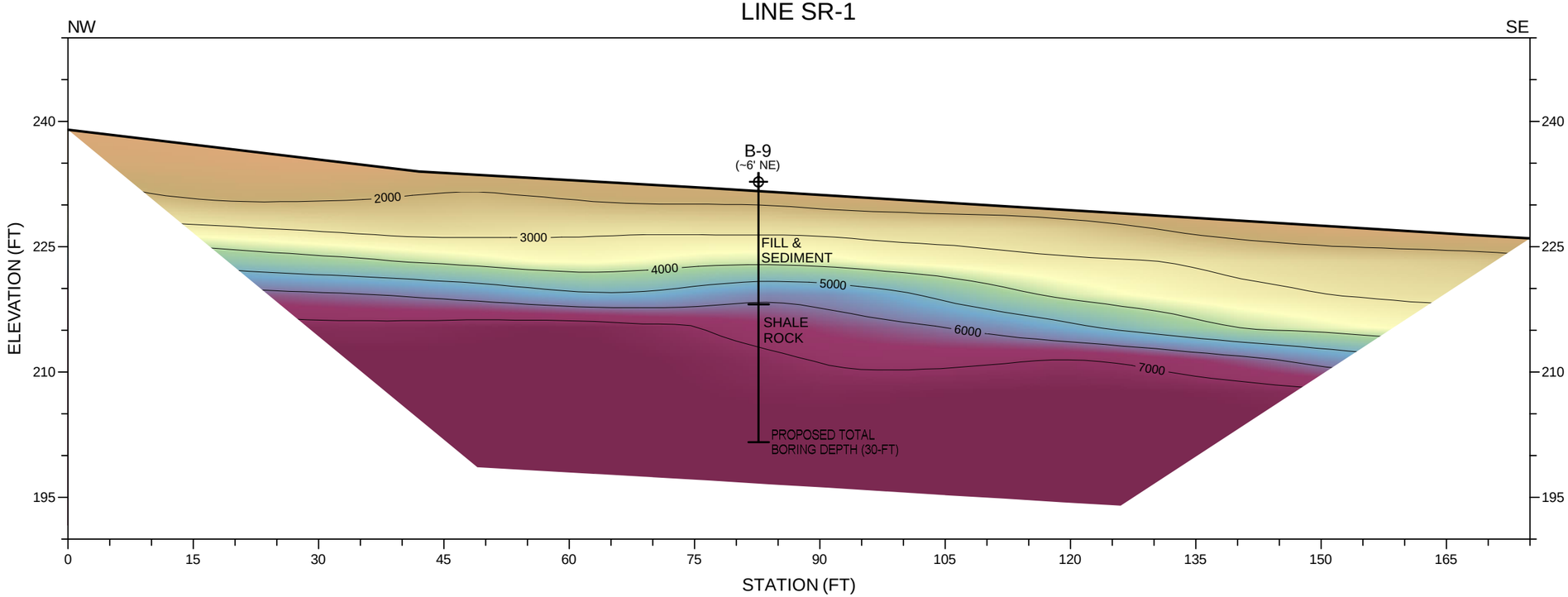
CLIENT: LANGAN

JOB #. NS245101 | DATE: SEPTEMBER 2024 | PLATE 1

DRAWN BY: H.PHILSON | APPROVED BY: DTH

David Hagin 9/17/2024

LINE SR-1



SCALE
0 15 30
(1 inch = 15 feet)

SEISMIC P-WAVE VELOCITY (FT/SEC)
1000 2000 3000 4000 5000 6000 7000

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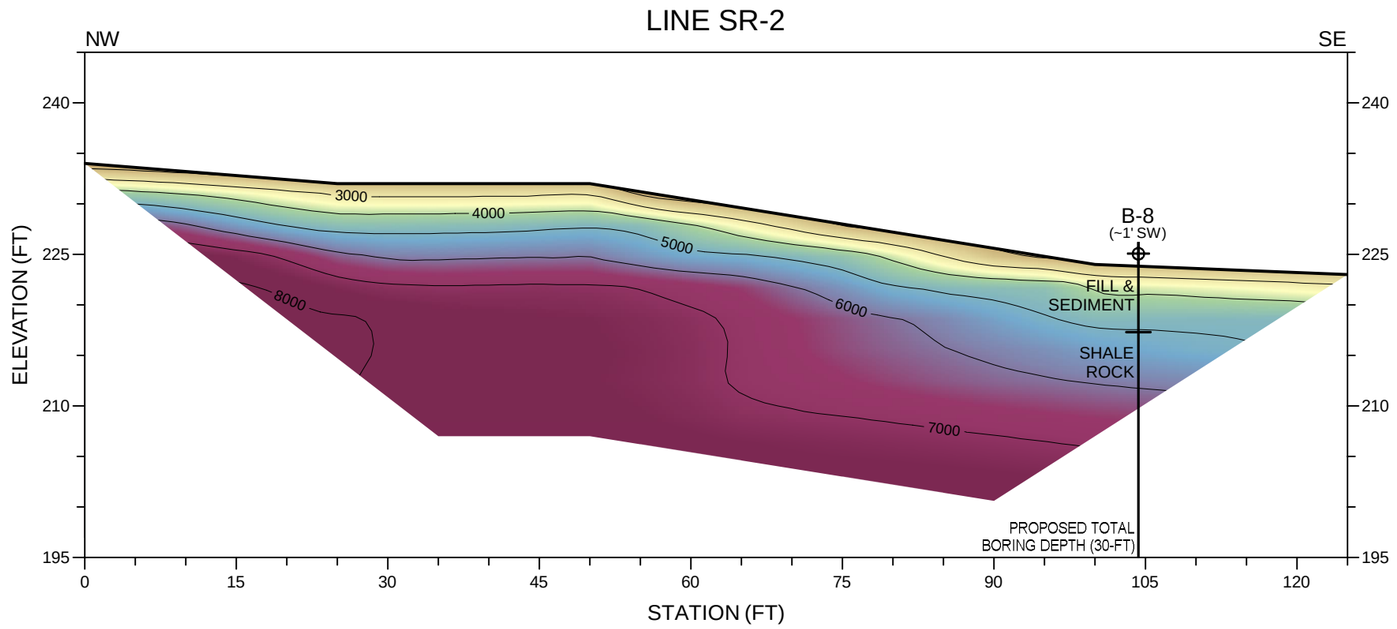
SEISMIC REFRACTION PROFILE
LINE SR-1
SAN LUIS OBISPO COURTHOUSE

LOCATION: 1144 MONTEREY STREET, SAN LUIS OBISPO, CA
CLIENT: LANGAN
JOB #: NS245101 | DATE: SEPTEMBER 2024 | PLATE 2
DRAWN BY: H.PHILSON | APPROVED BY: DTH
9/17/2024



SCALE
0 15 30
(1 inch = 15 feet)

SEISMIC P-WAVE VELOCITY (FT/SEC)
1000 2000 3000 4000 5000 6000 7000

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SEISMIC REFRACTION PROFILE
LINE SR-2
SAN LUIS OBISPO COURTHOUSE

LOCATION: 1144 MONTEREY STREET, SAN LUIS OBISPO, CA
CLIENT: LANGAN
JOB #: NS245101 | DATE: SEPTEMBER 2024 | PLATE 3
DRAWN BY: H.PHILSON | APPROVED BY: DTH
9/17/2024

APPENDIX A:

Seismic Refraction Survey

APPENDIX A:
Seismic Refraction Survey

1.0 METHODOLOGY

The seismic refraction method provides information regarding the seismic velocity structure of the subsurface. An impulsive (mechanical or explosive) energy source is used to produce compressional (p-) wave seismic energy at the surface. The p-waves propagate into the earth and are refracted along interfaces caused by an increase in velocity. A portion of the p-wave energy is typically refracted back to the surface where it is detected by sensors (geophones) that are coupled to the ground surface in a collinear array (spread). The detected signals are recorded on a multi-channel seismograph and are analyzed to determine the shot-point to geophone travel times. These data can be used along with the corresponding shot-point to geophone distances and elevation data to determine the depth, thickness, and velocity of subsurface seismic layers.

2.0 INSTRUMENTATION

The seismic waveforms produced at each shot point were recorded using a Geometrics ***Geode*** 24-channel engineering distributed array seismograph, as pictured in Figure 1, and ***RT Clark*** geophones with a natural frequency of 4.5 Hz. The geophones were coupled to the ground surface by a metal spike affixed to the bottom of each geophone case. Seismic energy was produced at each shot point by multiple impacts with a 16-pound sledgehammer against a metal strike plate placed on the ground surface. The seismic waveforms were digitized, processed, and amplified by the Geode, transmitted via a ruggedized Ethernet cable to a field computer and algebraically summed (stacked) until sufficient signal to noise ratio was achieved. The data were displayed on the computer's LCD screen in the form of seismograms, analyzed for quality assurance and archived for subsequent processing. These images were subsequently used to determine the time required for p-waves to travel from each shot point to each geophone in the array (spread).

Figure 1: *Geometrics Geode 24-channel engineering distributed array seismograph.*

3.0 DATA ACQUISITION

We collected SR data along two lines, designated as Lines SR-1 and SR-2, as described in the main body of the report. Langan personnel determined the locations and orientations of the SR lines. The line locations are shown by the red lines on the site location map (Plate 1).

Data were acquired using arrays of 24 geophones with 7-ft geophone spacing for Line SR-1 and 5-ft spacing for Line SR-2. Each line was acquired with five shot-point locations, one off each end of the line and three evenly distributed within. Each seismic line was comprised of a single spread, yielding a 175-ft length for SR-1 and 125-ft for SR-2. The maximum depth of investigation is generally determined by the geologic structure and the greatest shot-to-receiver distance and is estimated to be 35-ft for SR-1 and 25-ft for SR-2.

4.0 DATA ANALYSIS

The seismic refraction data were processed using the software package ***SeisImager,*** written by Oyo Corporation (Japan) and distributed by Geometrics Inc. This package consists of two programs titled ***Pickwin,*** Version 5.1.1.2 (2013) and ***Plotrefa*****,** Version 3.0.0.6 (2014). For each seismic line we used ***Pickwin*** to view the seismic records and identify the first arriving P-wave energy at each geophone (first break) and to determine the shot point to geophone travel time associated with each arrival. We then used ***Plotrefa*** to assign elevations to each geophone and to plot the shot point to geophone travel times versus their distance (Station) along the line. A sample Time versus Depth (T-D) graph is shown in Figure 3.

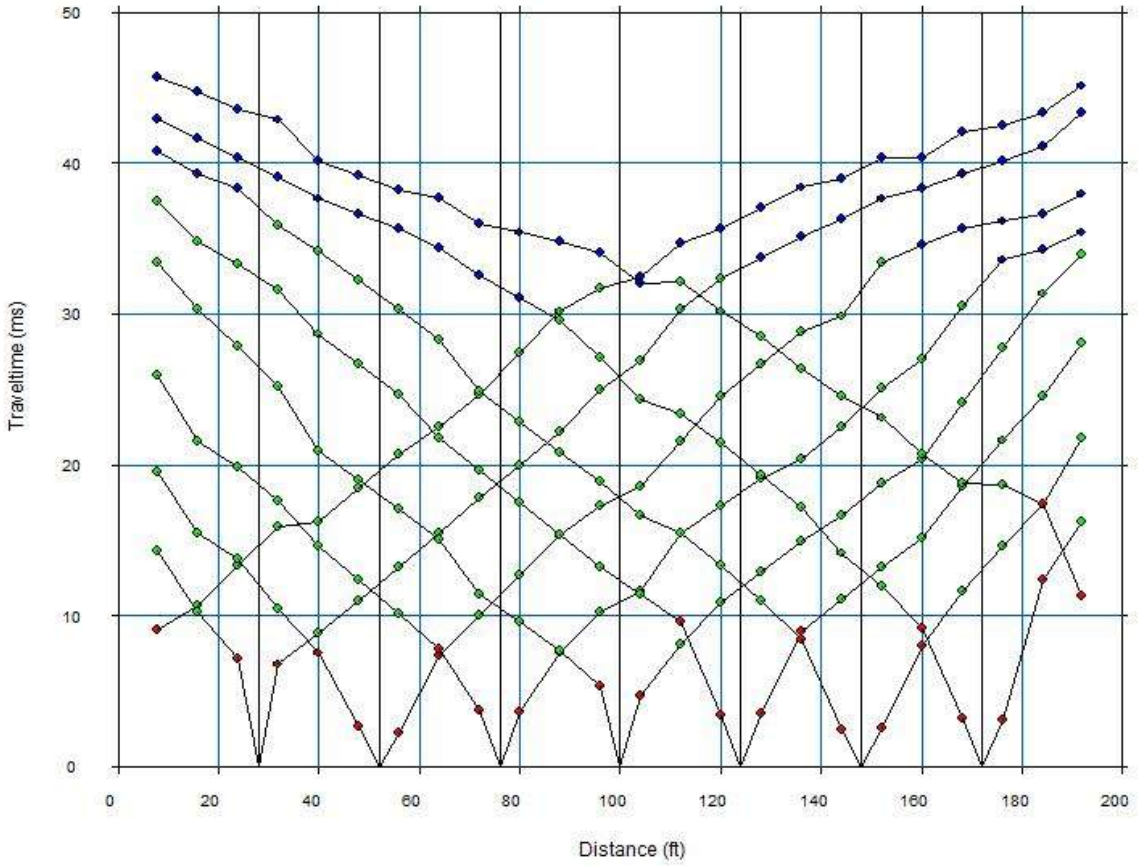


Figure 3: *Sample SR Time-Distance Graph. Red circles represent layer 1 (V1), green circles represent V2 and blue circles represent V3.*

After examining the T-D graph we assigned velocity layers (1-3) to each travel time and then computed a 2D model using ***Plotrefa's*** time-term routine. This resulted in a 2D layered cross-section (profile) illustrating seismic velocity versus depth. A sample 2D time-term model is shown in Figure 4.

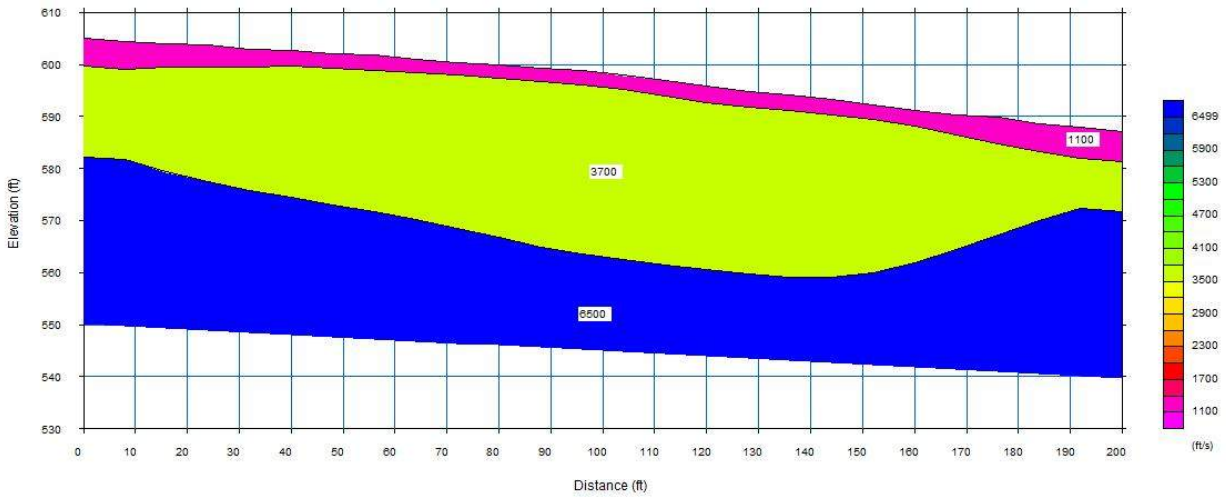


Figure 4: *Sample Time-Term Seismic Velocity Model. Velocities are labeled and indicated by the color bar on the right.*

Finally, we used the time term model as input to ***Plotrefa's*** tomographic routine. This routine divided the input model into cells according to the geophone spacing and depth range and assigned a velocity to each cell. It then used a ray-tracing routine to compute synthetic travel times through the model from each shot point to every geophone. The synthetic travel times were compared with the observed travel times to determine the goodness of fit. If the fit was not within certain assigned parameters, the program then adjusted the velocity in each cell and reran the ray tracing. This procedure was repeated through as many as 20 iterations in order to achieve the optimum fit between observed and synthetic travel times. A sample tomographic model is shown in Figure 5.

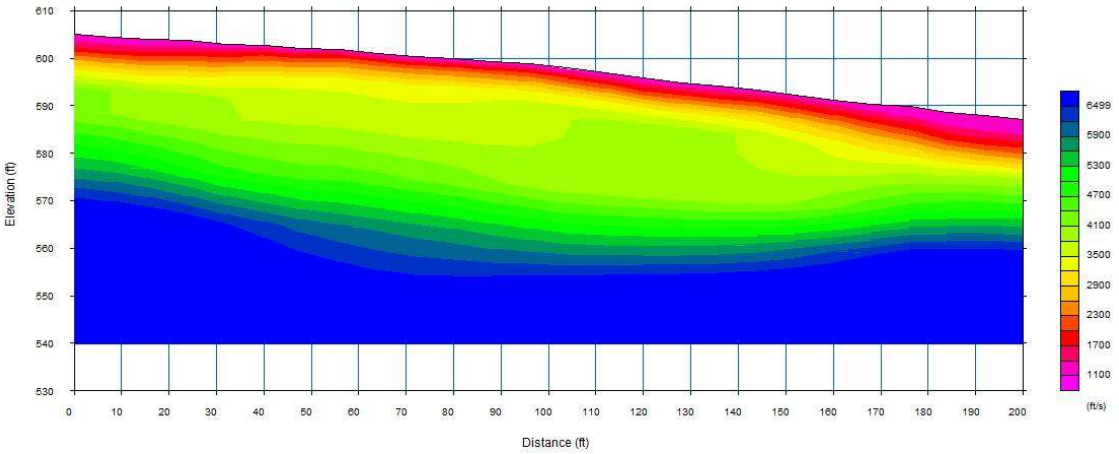


Figure 5: *Sample tomographic Inverted Seismic Velocity Model. Velocities indicated by color bar on right.*

Once the tomographic processing was complete, we used the computer program ***Surfer 21.2*** by Golden Software to construct a color contoured 2D cross-section (profile) illustrating the results for each seismic line.

5.0 INTERPRETATION

The SR profiles described above are models of the subsurface based on P-wave velocities. How these velocities and their subsurface distribution relate to geology is a matter of interpretation. This interpretation can be based on experience and a general knowledge of the local geology. However, the best results are achieved when the models can be correlated with subsurface information provided by other means such as onsite observations, borehole geological and/or geophysical logs, trench logs or projections based on mapped surface geology. This type of information is referred to as “ground truth.”

In any case, the resulting seismic velocity profile represents a model of the subsurface that must be interpreted by the best means available. Thus, the interpreted profile is conceptual in nature, and is not expected to represent an exact depiction of the subsurface.

6.0 LIMITATIONS

Based on the physical properties of refraction (Snell’s Law), in order for a seismic wave to be refracted back toward the surface, the seismic velocity of the upper layer must be less than the velocity of the lower layer. When higher velocities overlie lower velocities, often referred to as a velocity inversion, the seismic energy will be refracted downward, and the lower layer will not be detected at the surface. As a result, the calculated depths of any deeper higher velocity layers may be over-estimated. Furthermore, some layers may be truncated or too thin to detect. These are referred to as “hidden layers.”

If the seismic source used for the survey does not produce sufficient energy to propagate through the entire spread at detectable levels, the first arriving P-waves at each geophone may not be visible on the seismic records. Additionally, extraneous seismic energy sources such as wind, traffic or nearby machinery may create “noise” on the recorded waveforms that may mask the first arrivals.

Another common external noise source is overhead power lines. If the cable is laid out parallel to the lines electrical noise may be induced in the cable. Possible internal noise sources may be faulty geophone connections due to dirt or moisture or use of an unsuppressed power supply.

In noisy conditions many “stacks” (multiple shots) may be necessary to achieve an acceptable signal-to-noise ratio. Stacking consists of superposition of waveforms such that the stacked shot energy builds with successive shots, whereas the noise tends to cancel itself out due to its random nature. In extremely noisy conditions it may not be possible to achieve an acceptable signal-to-noise ratio for the greatest shot-to-receiver distance, possibly reducing the maximum depth of investigation.

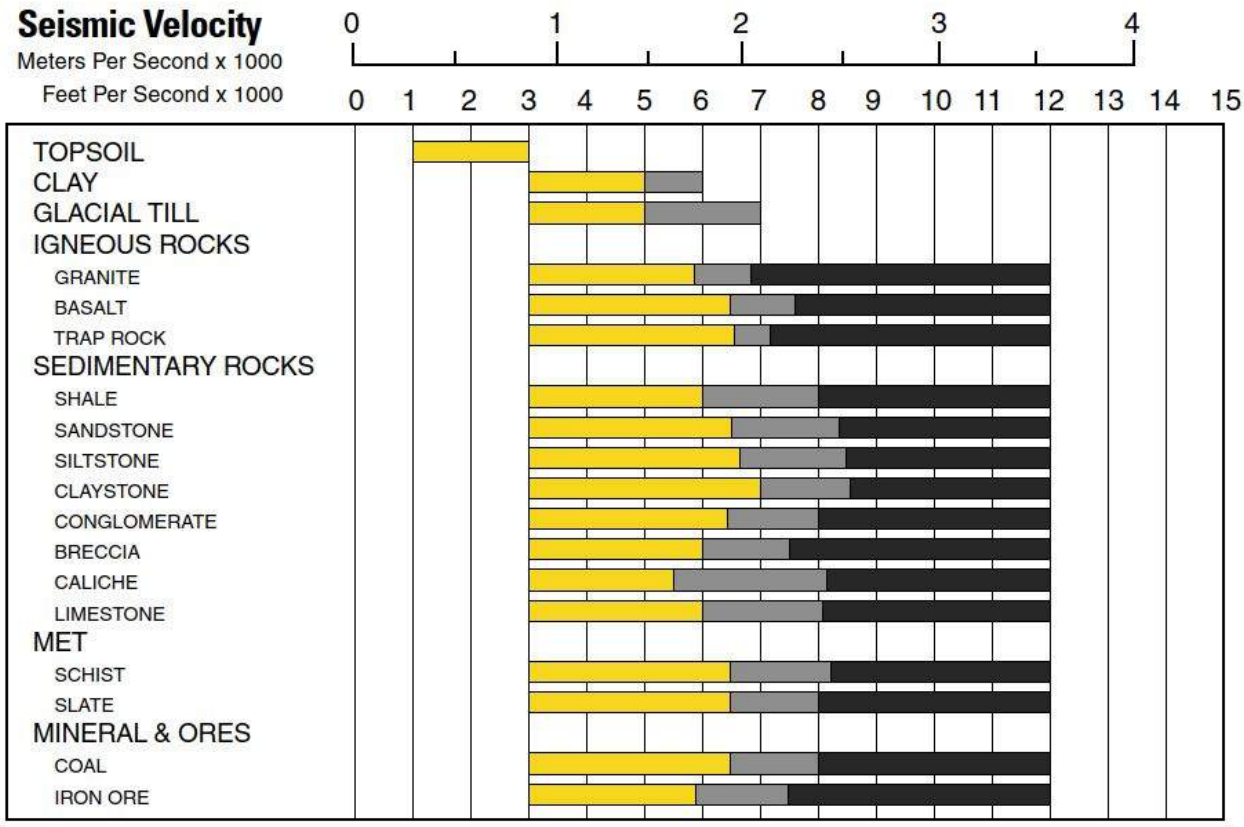
Finally, seismic refraction processing algorithms are based on the assumption that the seismic velocity layers are isotropic. That is, that the velocity is uniform within the length and breadth of each layer. Another assumption is that the velocity distribution does not change in a direction transverse to the seismic line. In other words, that there is true 2D symmetry. If these conditions are not met, the actual subsurface conditions will vary from those represented by the seismic model.

7.0 CATERPILLAR HANDBOOK OF RIPPING

The following pages contain rippability performance charts extracted from the Caterpillar Handbook of Ripping, 12th Edition (Caterpillar Inc., Peoria, Illinois - February 2000). The document is publicly available, and the charts are included here for convenience.

D8R Ripper Performance

- Multi or Single Shank No. 8 Series D Ripper
- Estimated by Seismic Wave Velocities



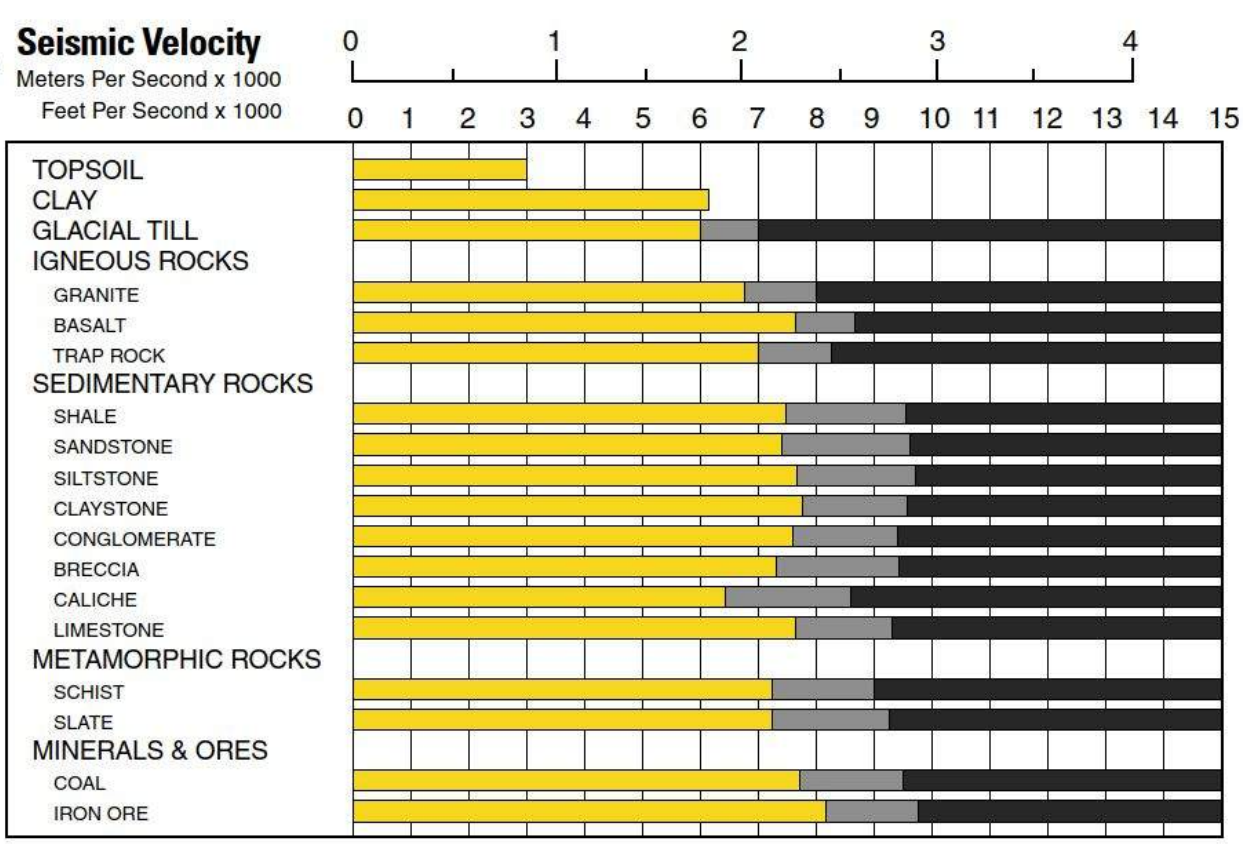
RIPPABLE

MARGINAL

NON-RIPPABLE

D9R Ripper Performance

- Multi or Single Shank Ripper
- Estimated by Seismic Wave Velocities



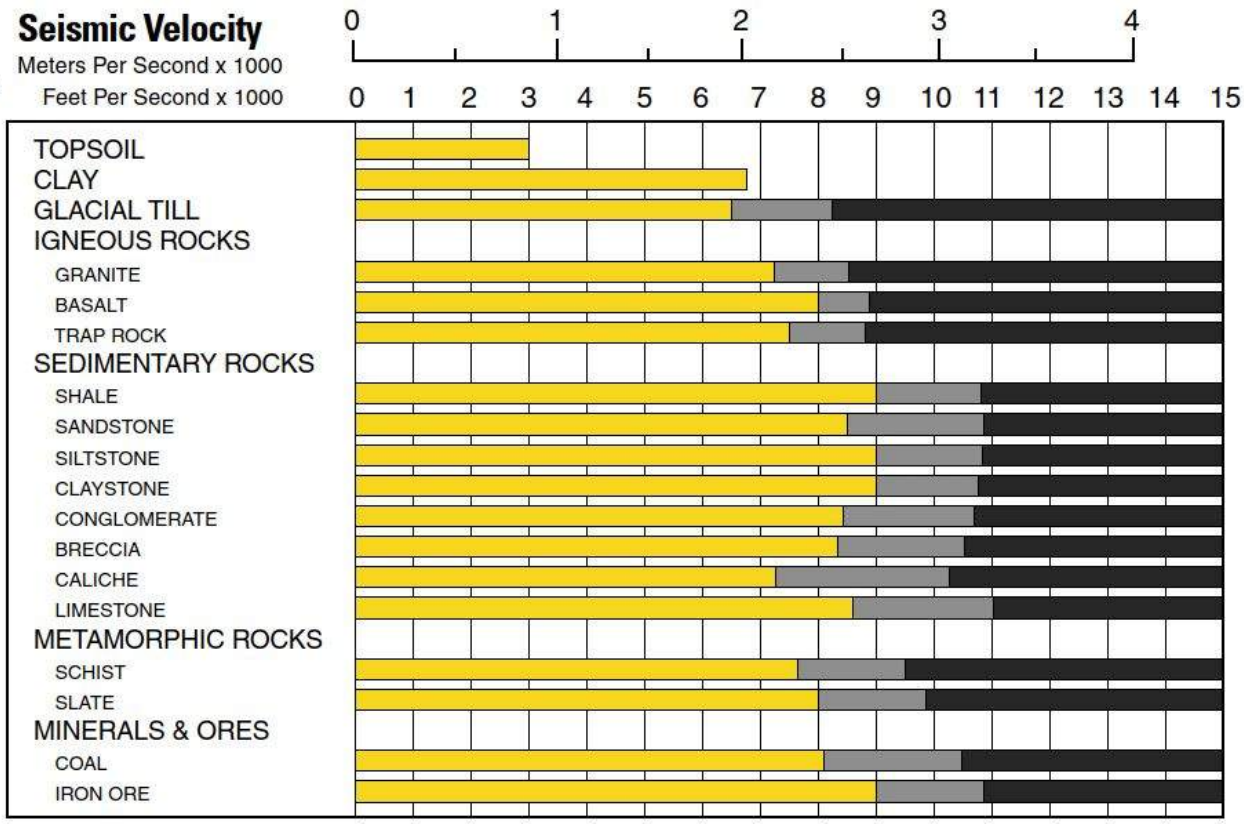
RIPPABLE

MARGINAL

NON-RIPPABLE

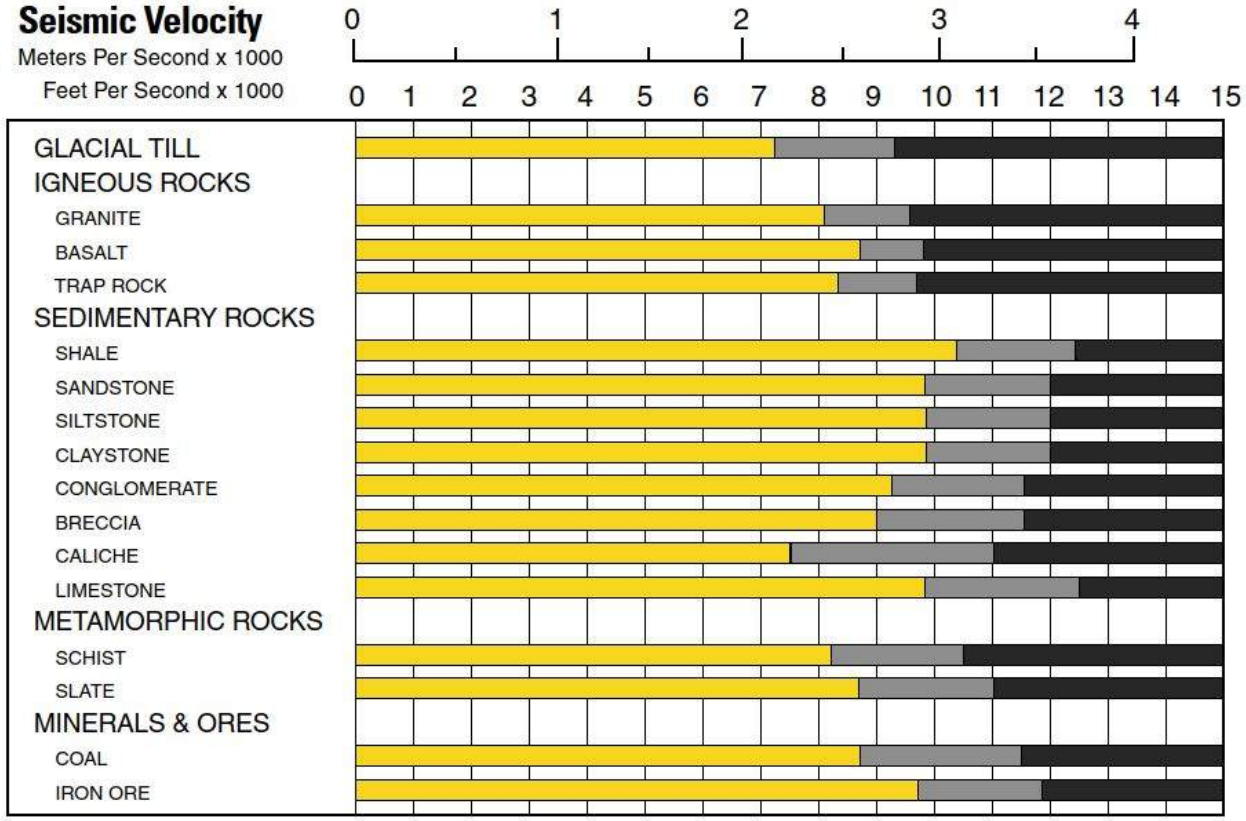
D10R Ripper Performance

- Multi or Single Shank Ripper
- Estimated by Seismic Wave Velocities



D11R Ripper Performance

- Multi or Single Shank Ripper
- Estimated by Seismic Wave Velocities



APPENDIX E

SITE-SPECIFIC RESPONSE SPECTRA

APPENDIX E

SITE-SPECIFIC RESPONSE SPECTRA

This appendix presents the details of our estimation of the level of ground shaking at the site during future earthquakes. To develop site-specific response spectra in accordance with 2022 California Building Code (CBC) criteria, and by reference ASCE 7-16, we performed probabilistic seismic hazard analysis (PSHA) and deterministic analysis to develop smooth, site-specific horizontal spectra for two levels of shaking, namely:

- Risk-Targeted Maximum Considered Earthquake (MCE_R), which corresponds to the lesser of the risk-targeted two percent probability of exceedance in 50 years (2,475-year return period) or 84^{th} percentile of the controlling deterministic event both in the maximum direction as described in ASCE 7-16, with appropriate lower limit checks.

- Design Earthquake (DE), which corresponds to 2/3 of the MCE_R.

E1.0 PROBABILISTIC SEISMIC HAZARD ANALYSIS

Because the location, recurrence interval, and magnitude of future earthquakes are uncertain, we performed a PSHA, which systematically accounts for these uncertainties. The results of a PSHA define a uniform hazard for a site in terms of a probability that a particular level of shaking will be exceeded during the given life of the structure.

To perform a PSHA, information regarding the seismicity, location, and geometry of each source, along with empirical relationships that describe the rate of attenuation of strong ground motion with increasing distance from the source, are needed. The assumptions necessary to perform the PSHA are that:

- the geology and seismic tectonic history of the region are sufficiently known, such that the rate of occurrence of earthquakes can be modeled by historic or geologic data

- the level of ground motion at a particular site can be expressed by an attenuation relationship that is primarily dependent upon earthquake magnitude and distance from the source of the earthquake

- the earthquake occurrence can be modeled as a Poisson process with a constant mean occurrence rate.

As part of the development of the site-specific spectra, we performed a PSHA to develop a site-specific response spectrum for 2 percent probability of exceedance in 50 years. The ground surface spectrum was developed using the OpenSHA Hazard Spectrum Application 1.5.2. The approach used in PSHA is based on the probabilistic seismic hazard model developed by Cornell (1968) and McGuire (1976). Our analysis modeled the faults in the Bay Area as linear sources, and earthquake activities were assigned to the faults based on historical and geologic data. The

levels of shaking were estimated using ground motion models (GMMs) that are primarily dependent upon the magnitude of the earthquake and the distance from the site to the fault, as well as the average shear wave velocity of the upper 30 meters, V_{S30}.

E1.1 Probabilistic Model

In probabilistic models, the occurrence of earthquake epicenters on a given fault is assumed to be uniformly distributed along the fault. This model considers ground motions arising from the portion of the fault rupture closest to the site rather than from the epicenter. Fault rupture lengths were modeled using fault rupture length-magnitude relationships given by Wells and Coppersmith (1994).

The probability of exceedance, $P_e(Z)$, at a given ground-motion, Z, at the site within a specified time period, T, is given as:

$$P_e(Z) = 1 - e^{-V(z)T}$$

where V(z) is the mean annual rate of exceedance of ground motion level Z. V(z) can be calculated using the total-probability theorem.

$$V(z) = \sum_i v_i \iint P[Z > z \mid m,r] f_{M_i}(m) f_{R_i|M_i}(r;m)\,dr\,dm$$

where:

v_i = the annual rate of earthquakes with magnitudes greater than a threshold M_{oi} in source i

P [Z > z | m,r] = probability that an earthquake of magnitude m at distance r produces ground motion amplitude Z higher than z

f_{Mi} (m) and $f_{Ri|Mi}$ (r;m) = probability density functions for magnitude and distance

Z represents peak ground acceleration, or spectral acceleration values for a given frequency of vibration. The peak accelerations are assumed to be log-normally distributed about the mean with a standard error that is dependent upon the magnitude and attenuation relationship used.

E1.2 Source Modeling and Characterization

The segmentation of faults, maximum magnitudes, and recurrence rates were modeled using the data presented in the Uniform California Earthquake Rupture Forecast Version 3 (UCERF3) as detailed in the United States Geological Survey Open File Report 2013-1165. These and other faults of the region are shown on Figure 5. Table E-1 presents the distance and direction from the site to the fault, mean moment magnitude, mean slip rate, and fault length for individual fault

segments in UCERF3 source model. The mean moment magnitude presented in Table E-1 was computed assuming full rupture of the segment using Hanks and Bakun (2008) relationship.

TABLE E-1
Source Zone Parameters

Fault Name	Approx. Distance from Fault (km)	Direction from Site	Mean Moment Magnitude[1]	Mean Slip Rate (mm/yr)	Fault Length (km)
Los Osos 2011	4.6	Southwest	6.9	0.3	58
Oceanic - West Huasna	4.6	Northeast	7.0	0.6	122
Rinconada 2011 CFM	13	Northeast	7.1	0.4	123
San Luis Bay 2011 CFM	13	Southwest	6.2	0.1	16
San Luis Range 2011 CFM	13	Southwest	7.0	0.2	79
San Luis Range (So Margin)	14	Southwest	7.3	0.2	115
East Huasna 2011 CFM	15	East	7.1	0.1	74
Shoreline	17	Southwest	6.4	0.2	23
San Luis Range - Oceano 2011 CFM	18	South	6.4	0.1	21
San Luis Range - Pecho 2011 CFM	21	Southwest	6.5	0.1	26
La Panza 2011	24	East	7.1	0.1	72
Hosgri	25	West	7.5	1.4	171
South Cuyama	29	East	7.2	0.1	83
Casmalia 2011 CFM	35	Southwest	6.7	0.3	48
Lions Head 2011 CFM	44	South	6.9	0.0	65
San Juan	45	East	7.1	0.4	82
Hosgri (Extension)	48	South	6.3	0.4	29
San Andreas (1857 Fort Tejon)	58	Northeast	8.0	25.0	342
San Andreas (Cholame) rev	58	Northeast	6.9	23.0	63
San Andreas (Parkfield)	61	Northeast	6.6	30.5	36
Los Alamos 2011 CFM	66	Southeast	6.5	0.5	27
Morales (West)	69	East	6.4	0.1	28
Santa Ynez River	70	South	7.0	0.5	73
San Andreas (Carrizo) rev	72	East	7.0	25.6	59
San Andreas (Creeping Section) 2011 CFM	81	North	7.3	18.7	121
Santa Ynez (West)	87	South	6.9	1.6	80
Lost Hills	88	Northeast	6.6	0.7	33
Los Alamos extension	89	Southeast	6.4	0.5	22
Morales (East)	96	East	6.2	0.1	18
Ozena	97	East	6.8	0.1	41

Note: The table above is a summary and does not include all the fault segmentation, alternate traces and low activity faults included in the UCERF3 model.

[1] Mean Moment Magnitude based on entire fault length rupturing using Hanks and Bakun (2008).

E1.3 Ground Motion Models

Based on the subsurface conditions, the site is classified as a very dense soil and soft rock profile, Site Class C. Using the subsurface information including SPT blow counts and shear wave velocity measurements completed near the site, we estimate the shear wave velocity of the upper 100 feet (30 meters), V_{S30}, is approximately 1,315 feet per second (400 meters per second). Furthermore, NGAW-2 database indicates that depths Z_1 and $Z_{2.5}$ at close by recording stations are about 40 meters and 280 meters, respectively. These values were used in the development of site-specific spectra.

The Pacific Earthquake Engineering Research Center (PEER) embarked on the NGA-West 2 project to update the previously developed NGA GMMs. The updated models were published in 2014. We used the GMMs developed by Abrahamson et al. (2014), Boore et al. (2014), Campbell and Bozorgnia (2014) and Chiou and Youngs (2014). These GMMs include the average shear wave velocity in the upper 100 feet. Furthermore, these models were developed using the same earthquake database, therefore, the average of the models (using equal weights for each attenuation relationship) is appropriate and was used to develop the recommended spectra.

The NGA-West 2 database includes the most up-to-date recorded and processed data. The NGA-West 2 models were developed for the "average" (Rot_{D50}) horizontal components of spectral acceleration.

E1.4 Maximum Direction

ASCE 7-16 specifies the development of MCE_R site-specific response spectra in the maximum direction. Shahi and Baker (2014) provides scaling factors that modify the Rot_{D50} spectra to provide spectral values for the maximum response (maximum direction). Therefore, we used the scaling factors presented on Table 1 of Shahi and Baker (2014) for ratios of $Sa_{RotD100}/Sa_{RotD50}$ to modify the mean PSHA results.

E1.5 Near-Source Effects

The site is in the near-field region (i.e. distances less than about 10 kilometers from a fault) and therefore may experience near-field directivity effects during an earthquake on a nearby fault. It has been recognized that ground motions recorded in the near-field regions show rupture directivity and near-source effects such as velocity and displacements pulses (sometimes referred to as "fling"). In general, such effects tend to increase the long period portion of the acceleration response spectrum when compared to the average spectrum. These effects have been demonstrated by Golesorkhi and Gouchon (2002), Somerville et al. (1995 and 1997), and Singh (1985). Somerville et al. (1997) and Abrahamson (2000) quantified near-source directivity effects and provided scaling factors for modifying the average spectra to capture these effects.

The Natural Hazards Risks and Resiliency Research Center (NHR3) developed a directivity-based PSHA interactive tool for California that interpolates the state-wide PSHA results to provide uniform-hazard spectra with and without directivity effects. The tool was developed by Mazzoni et al. (2023). The average directivity factors for the site were estimated using the NHR3 directivity based PSHA tool and were used to develop the average directivity spectrum.

E2.0 PSHA RESULTS

Figure E-1 presents the Rot_{D50} results of the PSHA for the 2 percent probability of exceedance in 50 years hazard level (2,475-year return period) including average directivity and using the four GMMs discussed above, as well as the mean in the maximum direction.

Figure E-2 presents the deaggregation plots of the PSHA results for the 2 percent probability of exceedance in 50 years hazard level. From the examination of these results, it can be seen that the Los Osos, Oceanic – West Huasna and San Andreas faults contribute to the hazard at the project site. At longer periods, the San Andreas fault dominates the hazard at the project site.

E3.0 DETERMINISTIC ANALYSIS

We performed a deterministic analysis to develop the MCE_R spectrum at the site. In a deterministic analysis, a given magnitude earthquake occurring at a certain distance from the source is considered as input into an appropriate GMM. The same GMMs, weighting factors, maximum direction factors and near-source effects as discussed in Section E1.3 and E1.4 were used in our deterministic analysis.

On the basis of the deaggregation results we developed deterministic spectra for two scenario earthquakes:

- a Moment Magnitude (M_W) 7.0 event occurring on the Oceanic – West Huasna fault about 4.6 km from the site, and
- a Moment Magnitude (M_W) 8.0 event occurring on the San Andreas fault about 58 km from the site.

Figures E-3 and E-4 present the 84th percentile deterministic results for the Oceanic – West Huasna and San Andreas scenarios, respectively. The averages of the four GMMs for Rot_{D50} as well as the average of these models in the maximum direction including average directivity for the Oceanic – West Hausna scenario are also presented on those figures. We conclude the envelop of the two scenarios be used as the deterministic basis of the development of the MCE_R spectrum. A comparison of these results for the two scenarios is shown on Figure E-5. For all periods considered, the resulting spectral acceleration values from the Oceanic – West Huasna scenario are greater than the results from the San Andreas scenario, and therefore we conclude the Oceanic – West Huasna scenario should be used as the deterministic basis of the development of the MCE_R spectrum.

E4.0 RECOMMENDED SPECTRA

The MCE_R as defined in ASCE 7-16 is the lesser of the maximum direction PSHA spectrum having a two percent probability of exceedance in 50 years (2,475-year return period) or the maximum direction 84th percentile deterministic spectrum of the governing earthquake scenario and the DE spectrum is defined as 2/3 times the MCE_R spectrum. Furthermore, the MCE_R spectrum is defined as a risk-targeted response spectrum, which corresponds to a targeted collapse probability of one percent in 50 years. The USGS Risk-Targeted Ground Motion calculator was used to determine the risk coefficients for each period of interest for the probabilistic spectrum. We used these risk coefficients to develop the risk-targeted PSHA spectrum.

Furthermore, we followed the procedures outlined in Chapter 21 of ASCE 7-16 and Supplement No. 1 to develop the site-specific spectra for MCE_R and DE. Chapter 21 of ASCE 7-16 requires the following checks:

- the largest spectral response acceleration of the resulting 84th percentile deterministic ground motion response spectra shall not be less than 1.5 × F_a where F_a is equal to 1.2.
- the DE spectrum shall not fall below 80 percent of Sa determined in accordance with Section 11.4.6, where F_a and F_v are determined using Tables 11.4-1 and 11.4-2, respectively (Section 21.3 of Chapter 21 ASCE 7-16).
- The site-specific MCE_R spectral response acceleration at any period shall not be taken as less than 150 percent of the site-specific design response spectrum determined in accordance with Section 21.3.

Table E-2 presents digitized values of the site-specific spectra for the risk targeted PSHA 2,475-year return period and the 84th percentile deterministic spectrum, both in the maximum direction and including average directivity. The largest spectral response acceleration of the 84th percentile deterministic response spectrum in the maximum direction is 2.228g and is greater than 1.5×F_a (where F_a = 1.2 for Site Class C); therefore, no further scaling of the 84th percentile deterministic spectra was needed.

Figure E-6 and Table E-2 present a comparison of the site-specific spectra for the risk-targeted 2,475-year return period PSHA and the 84th percentile deterministic spectra, both in the maximum direction and including average directivity. In this case, the risk-targeted PSHA spectrum for a 2 percent probability of exceedance in 50 years (2,475-year return period) is less than the 84th percentile deterministic spectrum for periods less than or equal to 5 seconds, therefore, the basis for the development of the MCE_R spectrum should be the PSHA spectrum. The DE spectrum is defined as 2/3 times the MCE_R; however, the DE spectrum should not be less than 80 percent of the DE code spectrum as determined using F_a equal to 1.2 and F_v equal to 1.5 (per Section 21.3 of ASCE 7-16). As shown on Figure E-6 and Table E-2, the DE spectrum is greater

than or equal to 80 percent of the of the DE code spectrum for periods less than 3 seconds. For periods equal to or greater than 3 seconds, 80 percent of the DE code spectrum should be used to develop the DE spectrum.

TABLE E-2
Comparison of Site-specific and Code Spectra for Development of MCE_R Spectrum per ASCE 7-16
Sa (g) for 5 percent damping

Period (sec.)	Risk Targeted PSHA – 2,475-Year Return Period Max. Dir. Avg. Direct.	Deter-ministic 84th Percentile Max. Dir. Avg. Direct.	Lesser of PSHA and Deter-ministic (Initial MCE_R)	2/3 of Initial MCE_R (Initial DE)	ASCE 7-16 - 80% DE per Section 21.3 Site Class C; F_v = 1.50	Recommended Spectra	
						DE	MCE_R
0.01	0.623	0.909	0.623	0.415	0.318	0.415	0.623
0.10	1.212	1.534	1.212	0.808	0.683	0.808	1.212
0.20	1.491	2.058	1.491	0.994	0.683	0.994	1.491
0.30	1.424	2.228	1.424	0.949	0.683	0.949	1.424
0.40	1.262	2.162	1.262	0.841	0.683	0.841	1.262
0.50	1.110	1.961	1.110	0.740	0.629	0.740	1.110
0.75	0.801	1.487	0.801	0.534	0.419	0.534	0.801
1.00	0.588	1.135	0.588	0.392	0.314	0.392	0.588
1.50	0.357	0.684	0.357	0.238	0.210	0.238	0.357
2.00	0.246	0.456	0.246	0.164	0.157	0.164	0.246
3.00	0.152	0.268	0.152	0.102	0.105	0.105	0.157
4.00	0.110	0.176	0.110	0.073	0.079	0.079	0.118
5.00	0.086	0.125	0.086	0.057	0.063	0.063	0.094

The recommended MCE_R and DE spectra are presented in Table E-3 and on Figure E-7.

TABLE E-3
Recommended MCE_R and DE Spectra
Sa (g) for 5 percent damping

Period (seconds)	MCE_R	DE
0.01	0.623	0.415
0.10	1.212	0.808
0.20	1.491	0.994
0.30	1.424	0.949
0.40	1.262	0.841
0.50	1.110	0.740
0.75	0.801	0.534
1.00	0.588	0.392
1.50	0.357	0.238
2.00	0.246	0.164
3.00	0.157	0.105
4.00	0.118	0.079
5.00	0.094	0.063

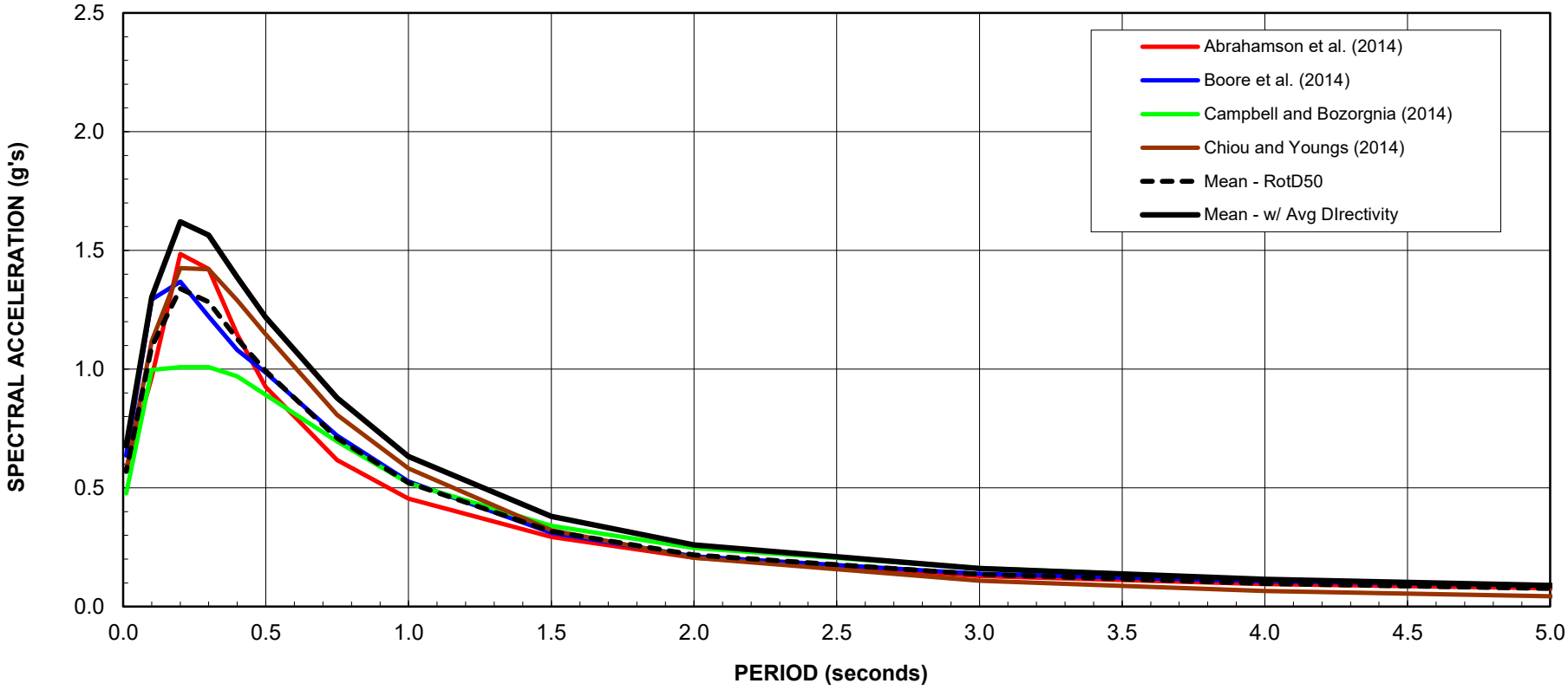
Because site-specific procedure was used to determine the recommended response spectra, the corresponding values of S_{MS}, S_{M1}, S_{DS} and S_{D1} per Section 21.4 of ASCE 7-16 should be used as shown in Table E-4.

TABLE E-4
Design Spectral Acceleration Value

Parameter	Spectral Acceleration Value (g's)
S_{MS}[2]	1.342
S_{M1}[3]	0.588
S_{DS}[2]	0.895
S_{D1}[3]	0.392

[2] S_{DS} is based on the site-specific response spectra and is based on 90 percent of the maximum spectral acceleration within the period range of 0.2 to 5 seconds; it is governed by 90 percent of the spectral acceleration at a period of 0.2 seconds. S_{MS} is 1.5 times S_{DS}.

[3] S_{D1} is based on the site-specific response spectra and is the maximum of the product of period, T, and spectral acceleration, Sa, for periods from 1.0 to 2.0 seconds; it is governed by the product of the period and spectral acceleration at a period of 1.0 second. S_{M1} is 1.5 times S_{D1}.



Notes

1. Damping Ratio = 5%
2. Estimated V_{S30} = 400 m/s
3. Maximum direction factors from Shahi and Baker (2014)
4. Average directivity factors from Directivity-Based PSHA Interactive Tool, (Mazzoni, et al. 2022)
5. Z_1 = 40 m, $Z_{2.5}$ = 0.28 km

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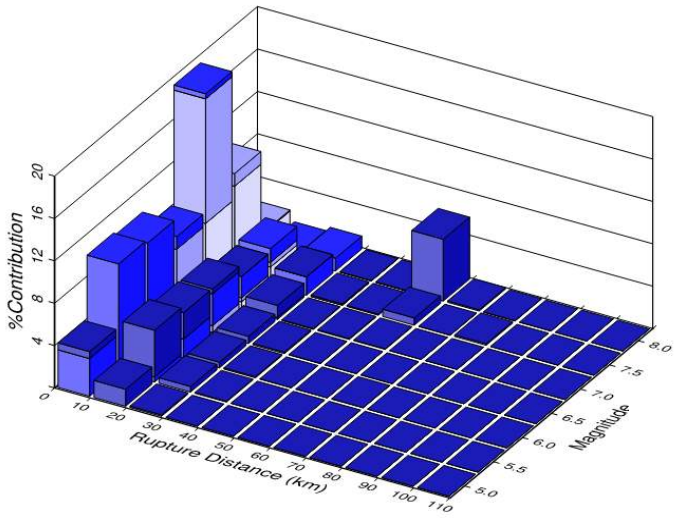
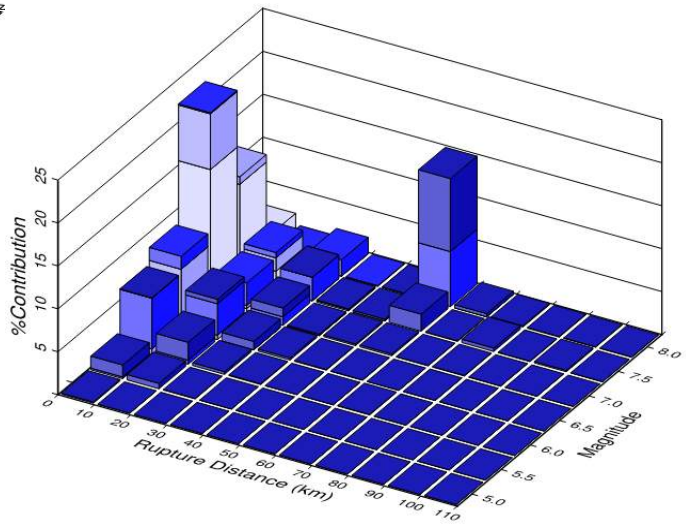
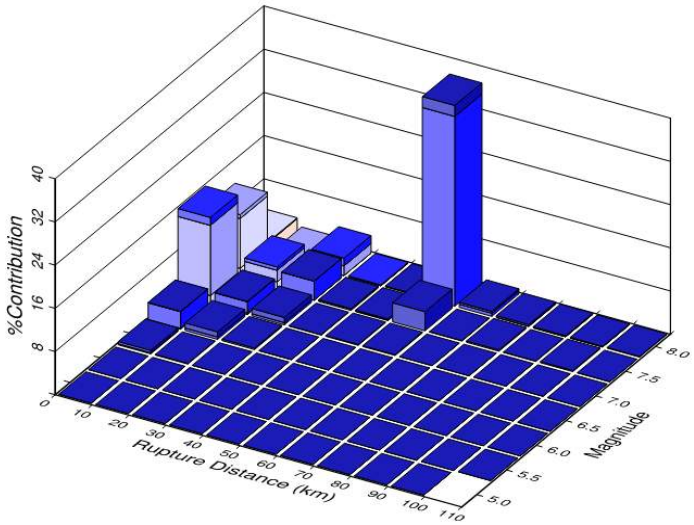
Project	Figure Title	Project No.	Figure No.
SAN LUIS OBISPO COURTHOUSE 1144 MONTEREY STREET SAN LUIS OBISPO SAN LUIS OBISPO COUNTY CALIFORNIA	RESULTS OF PSHA, 2 PERCENT PROBABILITY OF EXCEEDANCE IN 50 YEARS WITH AVERAGE DIRECTIVITY	750680202 Date 10/11/2024 Scale AS SHOWN Prepared By: JDO	E-1



(a) PGA



(b) S_a, T = 1.0 second



(c) S_a, T = 4.0 seconds

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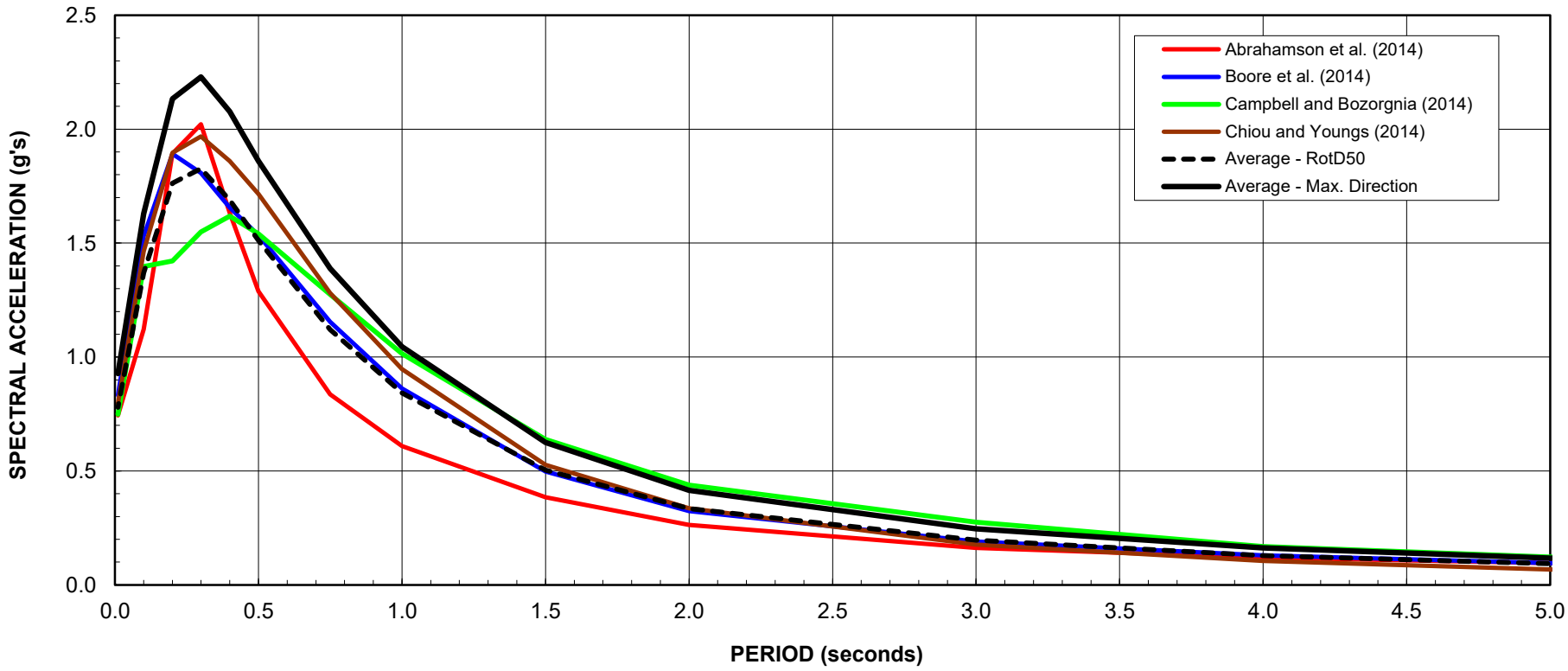

Notes

1. Damping Ratio = 5%
2. Estimated V_{S30} = 400 m/s
3. Maximum direction factors from Shahi and Baker (2014)
4. Weighted average directivity factors from Directivity-Based PSHA Interactive Tool, (Mazzoni, et al. 2022)
5. Deterministic results are for a Moment Magnitude 7.0 occuring on the Oceanic - West Huasna fault about 4.6 km from the site

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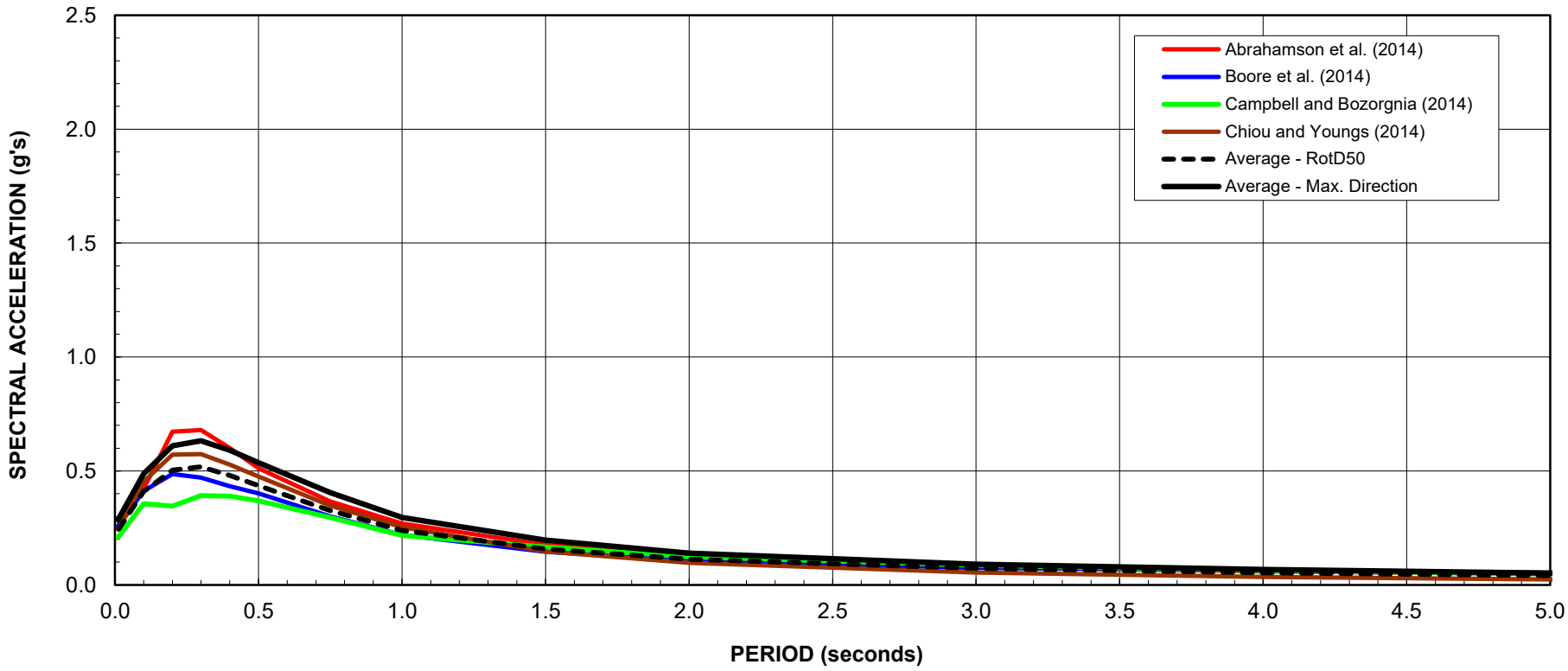
SAN LUIS OBISPO COURTHOUSE 1144 MONTEREY STREET SAN LUIS OBISPO SAN LUIS OBISPO COUNTY CALIFORNIA	RESULTS OF DETERMINISTIC ANALYSIS - 84th PERCENTILE SPECTRA WITH AVERAGE DIRECTIVITY - OCEANIC - WEST HUASNA FAULT	750680202 Date 10/11/2024 Scale AS SHOWN Prepared By: JDO	E-3



Notes

1. Damping Ratio = 5%
2. Estimated V_{S30} = 400 m/s
3. Maximum direction factors from Shahi and Baker (2014)
4. Deterministic results are for a Moment Magnitude 8.0 occuring on the San Andreas fault about 58 km from the site

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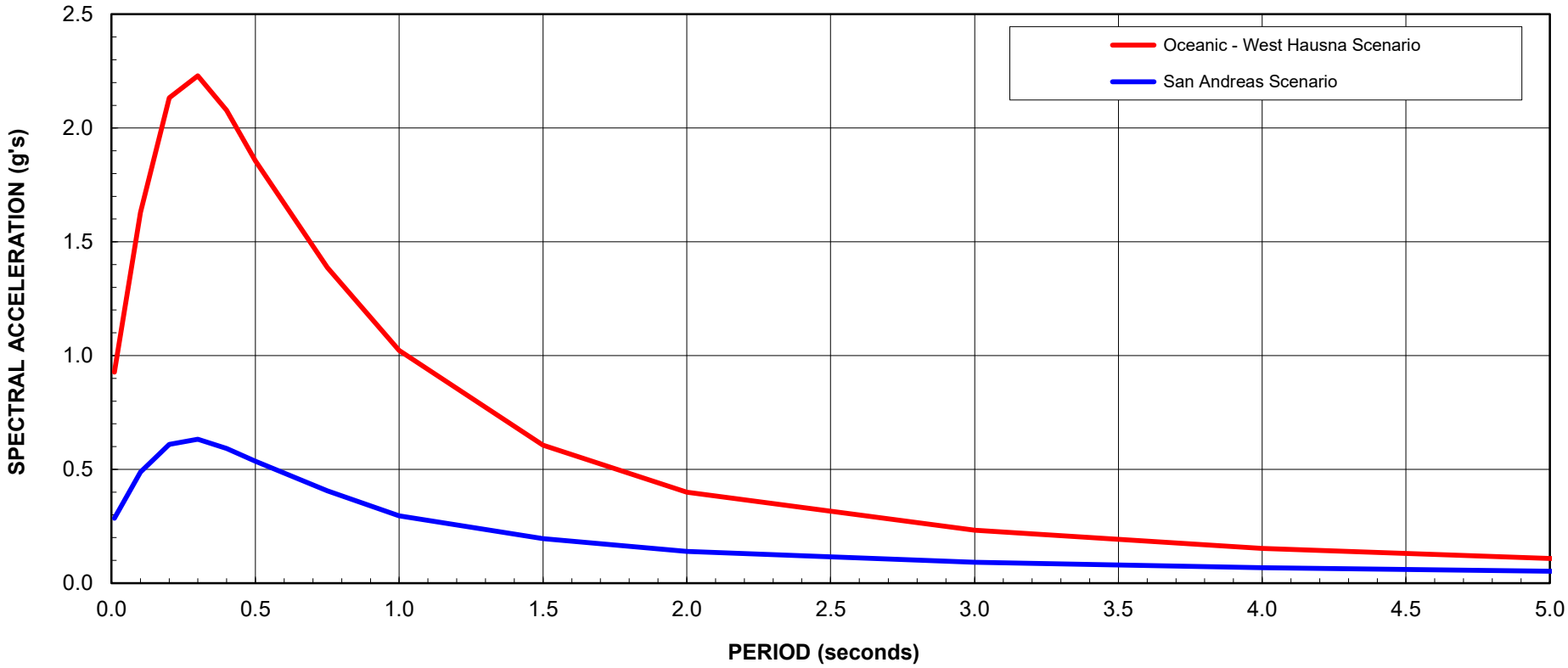
Project	Figure Title	Project No.	Figure No.
SAN LUIS OBISPO COURTHOUSE 1144 MONTEREY STREET SAN LUIS OBISPO SAN LUIS OBISPO COUNTY CALIFORNIA	RESULTS OF DETERMINISTIC ANALYSIS - 84th PERCENTILE SPECTRA WITH AVERAGE DIRECTIVITY - SAN ANDREAS FAULT	750680202 Date 10/11/2024 Scale AS SHOWN Prepared By: JDO	E-4



Notes

1. Damping Ratio = 5%
2. Estimated V_{S30} = 400 m/s

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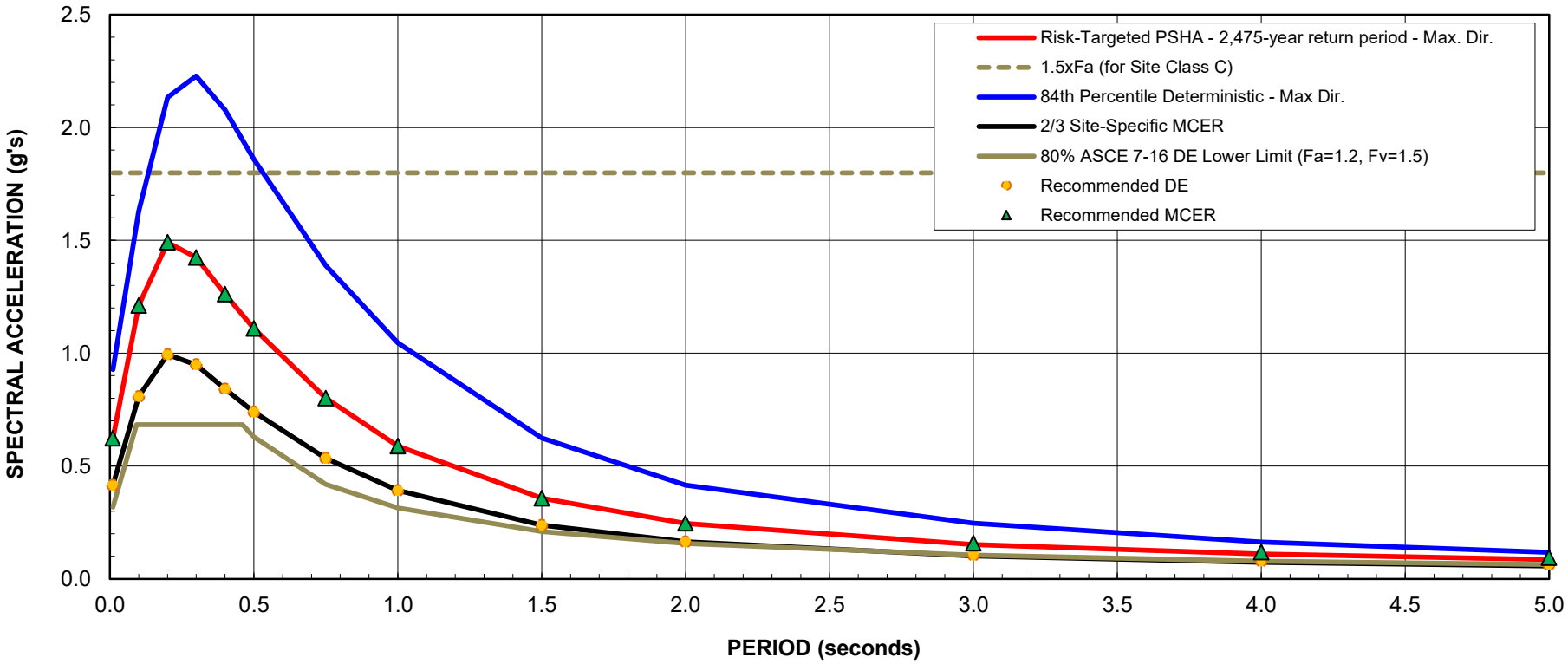
Figure Title	COMPARISON OF 84TH PERCENTILE DETERMINISTIC SPECTRA
Project No.	750680202
Date	10/11/2024
Scale	AS SHOWN
Prepared By:	JDO
Figure No.	E-5



Notes

1. Damping Ratio = 5%
2. Estimated V_{S30} = 400 m/s
3. Maximum direction factors from Shahi and Baker (2014).
4. Weighted average directivity factors from Directivity-Based PSHA Interactive Tool, (Mazzoni, et al. 2022)
5. Deterministic results are for a Moment Magnitude 7.0 event occuring on the Oceanic - West Huasna fault about 4.6 km from the site.

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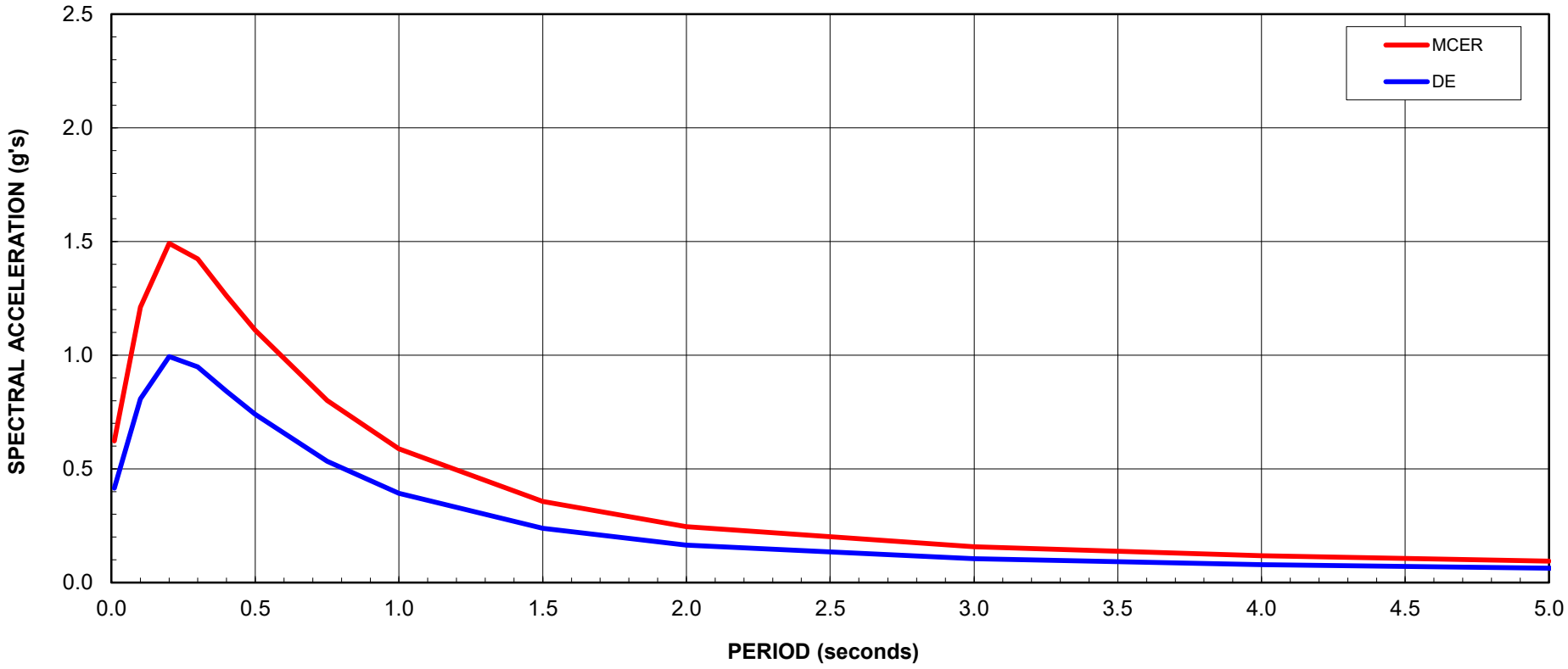
Figure Title

COMPARISON OF PROBABILISTIC, DETERMINISTIC AND LOWER LIMIT SPECTRA

Project No.	Figure No.
750680202	E-6
Date: 10/11/2024	
Scale: AS SHOWN	
Prepared By: JDO	



Notes

1. Damping Ratio = 5%
2. Estimated V_{S30} = 400 m/s

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Figure Title
RECOMMENDED HORIZONTAL SPECTRA

Project No. 750680202
Date 10/11/2024
Scale AS SHOWN
Prepared By: JDO

Figure No. E-7

Appendix E

Paleontological Database Search

New San Luis Obispo Courthouse
Initial Study / Mitigated Negative Declaration

UCMP Records of Vertebrate Fossils From San Luis Obispo County

Loc ID	Coll	Locality Name	Period	Epoch	Formation	Member	Storage Age
V4958	V	Oakley Ranch	Jurassic	Late Jurassic	Franciscan		Late Jurassic
V65169	V	La Panza 2	Tertiary	Miocene	Vaqueros		Barstovian
-6849	V	Atascadero	Tertiary	Miocene	Santa Margarita		Clarendonian
V5125	V	Cammatta Ranch	Tertiary	Miocene	Santa Margarita		Clarendonian
V73143	V	Castro Canyon	Tertiary	Miocene	Pismo	Miguelito	Clarendonian
V75025	V	Wixom Ranch	Tertiary	Miocene	Pismo	Edna	Barstovian
V79079	V	Potrero Creek S 1	Tertiary	Miocene	Pancho Rico		Hemphillian
V79080	V	Potrero Creek S 2	Tertiary	Miocene	Pancho Rico		Hemphillian
V2805	V	Atascadero	Neogene	Miocene	Monterey		Hemingfordian
V3214	V	Ramage Ranch	Tertiary	Miocene	Monterey		Hemingfordian
V3950	V	Windmill Creek	Tertiary	Miocene	Monterey		Barstovian
V72233	V	Abbot Canyon	Tertiary	Miocene	Monterey	Saltose Shale	Barstovian
V79069	V	Wilson Corner	Tertiary	Miocene	Monterey		Hemingfordian
V81251	V	Richfield Well Rrv77-23	Tertiary	Miocene	Monterey	Whiterock Bluff Shale	Barstovian
RV6780	V		Tertiary	Miocene	Caliente		Hemingfordian
RV6817	V	Caliente Range	Tertiary	Miocene	Caliente		Barstovian
V2704	V	Padrone's Springs	Neogene	Miocene	Caliente	Upper	Hemphillian
V5312	V	Cliff Gap 1	Tertiary	Miocene	Caliente		Hemingfordian
V5642	V	Klipstein Ranch 1	Tertiary	Miocene	Caliente		Hemphillian
V5643	V	Klipstein Ranch 2	Tertiary	Miocene	Caliente		Hemphillian
V5644	V	Cliff Gap 2	Tertiary	Miocene	Caliente		Clarendonian
V5645	V	Road Gap Canyon 1	Tertiary	Miocene	Caliente		Hemingfordian
V5646	V	Road Gap Canyon 2	Neogene	Miocene	Caliente		Hemingfordian
V5648	V	Carrizo Plain S	Neogene	Miocene	Caliente		Hemphillian
V5684	V	Klipstein Ranch 3	Tertiary	Miocene	Caliente		Hemphillian
V5701	V	Klipstein Ranch 4	Tertiary	Miocene	Caliente		Clarendonian
V5725	V	Cliff Gap 3	Tertiary	Miocene	Caliente		Clarendonian

V6413	V	Oyster Bed	Tertiary	Miocene	Caliente		Barstovian
V6466	V	Rep's Merychippus	Tertiary	Miocene	Caliente		Barstovian
V6467	V	Rep's Pliohippus 1	Tertiary	Miocene	Caliente		Clarendonian
V6469	V	Rep's Pliohippus 2	Tertiary	Miocene	Caliente		Clarendonian
V75060	V	CIT 313-Jerd Spring	Tertiary	Miocene	Caliente		Hemingfordian
RV6779	V	Santa Barbara Canyon	Tertiary	Miocene	Branch Canyon		Hemingfordian
V4402	V	Templeton 1	Neogene	Miocene			Hemingfordian
V5362	V	Anderson Ranch	Neogene	Miocene			Hemingfordian
V6053	V	Grande Arroyo 1	Tertiary	Miocene			Hemingfordian
V75114	V	Templeton 2	Tertiary	Miocene			Barstovian
A493	IV	Hay Canyon	Tertiary	Miocene	Temblor		Barstovian
A4688	IV		Neogene	Miocene	Temblor		
V5979	V	La Panza 1	Tertiary	Oligocene			Whitneyan
V75270	V	Panoramic Hills	Quaternary	Pleistocene	Paso Robles		Irvingtonian
V97131	V	Camp Roberts Last Chance	Quaternary	Pleistocene	Paso Robles		
V97132	V	Camp Roberts Last Chance	Quaternary	Pleistocene	Paso Robles		
V6546	V	San Miguel 2	Quaternary	Pleistocene			Rancholabrean
V99650	V	Cold Cyn Landfill	Tertiary	Pliocene	Pismo	Edna	Blancan
V5702	V	Klipstein Ranch 5	Tertiary	Pliocene	Morales		Blancan
V6412	V	Repenning's Site	Tertiary		Caliente		Arikareean
V6760	V	Durham Red	Tertiary		Caliente		Arikareean
V5811	V	Shell Creek	Tertiary	Miocene	Santa Margarita		Clarendonian
V6616	V	Avila Beach	Tertiary	Pliocene	Pismo	Squire	Blancan
V70148	V	Avila Beach W	Tertiary	Pliocene	Pismo	Squire	Blancan
V74087	V	Union Pier	Tertiary	Pliocene	Pismo	Squire	Blancan

Source: University of California at Berkeley, Museum of Paleontology. 2024. Locale Search Database. Available at: https://ucmpdb.berkeley.edu/loc.html

Appendix F

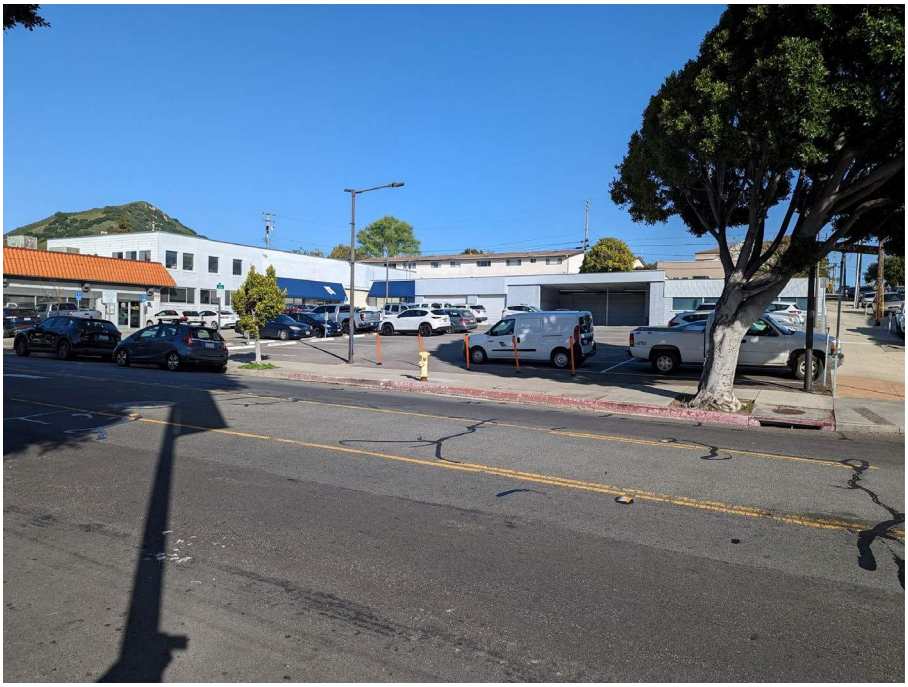
Phase I Environmental Site Assessment

Site 1: Judicial Council of California

New San Luis Obispo Courthouse
Initial Study / Mitigated Negative Declaration

Ecotech Resources, Inc.
Environmental Management and Consulting

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Site 1: Judicial Council of California
1144 Monterey Street
San Luis Obispo, CA 93408



Prepared for:
Judicial Council of California
Sacramento, California

Prepared by:
John J. Root, President
Ecotech Resources, Inc.
July 2023

Contents:

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Appendices

1 – Introduction

Acting as a consultant for the Judicial Council of California (JCC), Montrose Environmental engaged Ecotech Resources, Inc. (Ecotech) to conduct a Phase I Environmental Site Assessment (ESA) of a single parcel (APN: 002-326-021; Figure 1) located at 1144 Monterey Street, San Luis Obispo, CA 93408. The Target Property (TP) is oriented northeast to southwest at 241 feet above sea level. The coordinates are 35° 17' 00" North latitude by -120° 39' 41" West longitude. The purpose of this ESA is to determine if the TP has any known, potential, or suspected Recognized Environmental Conditions (RECs) that would warrant additional environmental investigation prior to acquisition and redevelopment by the JCC. Jeff Root, President of Ecotech, conducted an online search of the GeoTracker database maintained by the State Water Resources Control Board (SWRCB). Mr. Root also reviewed a search of agency environmental databases, historical aerial photographs, topographic maps, city directories, and other resources provided by Environmental Data Resources (EDR), and conducted a site walk-around of the TP on April 24, 2023.

Figure 1 shows the location of the TP on the 2018 USGS Topographic map. Figure 2 is an aerial photo of the TP provided by the JCC. Figure 3 shows the locations of the former USTs and current groundwater monitoring wells at the TP. Figure 4 shows the location of Fred Mitchell's Richfield Service Station at 1166 Monterey. Figure 5 is the EDR Radius Map showing the approximate locations of sites identified by EDR as having possible RECs.

Appendix A is GeoTracker Search Docs. Appendix B shows the photos of the TP taken by Mr. Root during the Site Perimeter Assessment. Appendix C is Historical Aerial Photographs provided by EDR. Appendix D is Sanborn Maps provided by EDR, and Appendix E is the EDR Report Executive Summary.

2 – Project Description – Judicial Council of California

The Judicial Council of California (Judicial Council) proposes to construct a new San Luis Obispo Courthouse at 1144 Monterey Street in the city of San Luis Obispo (Figure 2). The Proposed Project is on the 1.2-acre site (APN: 002-326-021) currently owned by San Luis Obispo County and would replace the County-owned 1962 and 1982 Courthouse Annex building(s), the Judicial Council-owned 1070 Palm Street facility, and the 999 Monterey Street leased facility. The historic 1940 county-owned and utilized courthouse building, located at 976 Osos Street, is not part of this project and would not be demolished.

3 – Findings and *Conclusions*

Ecotech has determined that the Target Property has two separate Recognized Environmental Conditions from past operations conducted at the Site. The first REC is the former Kimball Motors automobile dealership at 1144 Monterey Street, which has been under regulatory oversight since 1988 when three USTs were removed.

The second REC is the southeast corner of the TP at the former 1166 Monterey Street. This site was occupied by a gasoline service station from at least 1949 to 1981, and was not identified in any of the environmental data bases searched for this site assessment.

1144 Monterey Street

In May 1988, the accidental release of petroleum fuel while filling an underground storage tank at Kimball Motors resulted in the site being included in the California Leaking Underground Storage Tank (LUST) Program (T0607900067). At the same time, a case was also opened for Monterey Motors (T060790021), which was the previous name of the business. The Site was subsequently investigated for soil and groundwater contamination, and in November 1988, three USTs were excavated along with contaminated soil, piping, and other hardware associated with their operation. The Monterey Motors case was closed as of 11/17/1988.

The USTs were located on the northwest portion of the Site, and automotive repair activities occurred in the garage bays located on the north side of the property (Figure 3). Contaminants of concern included gasoline, diesel, solvents, trichloroethylene (TCE), and vinyl chloride. In 2003, four underground hydraulic hoists, a floor drain, clarifier, associated drain lines, and 80 cyds of solvent and petroleum-contaminated soil were removed. Eight geoprobe borings were used to inject hydrogen-releasing compounds into the subsurface to stimulate biodegradation of the remaining contaminants. The contaminants of concern trended downward to non-detect levels except for vinyl chloride. On April 22, 2009, waterboard staff administratively closed the Kimball Motors LUST case (T0607900067) and opened a new Site Cleanup case with the Global ID T10000001025. Seven groundwater monitoring wells are currently sampled to monitor groundwater conditions beneath the Site. Groundwater flow is towards Monterey Street in alluvial sediments in a south-southwesterly direction with a recent depth to groundwater of between three and five feet below ground surface.

Central Coast Water Board staff concluded in 2009 that, based on the soil investigation, groundwater monitoring, and cleanup results, they believed that there was no significant threat to groundwater resources, human health and the environment from this site. Petroleum hydrocarbon concentration trends were downward, and remaining residual soil and groundwater contamination were well characterized and contracting or declining in size and concentration. The contaminant mass was removed from the site to the maximum extent practicable, and historical monitoring data indicated contaminant concentrations in groundwater would likely decrease to below cleanup goals in a reasonable time. The San Luis Obispo County Environmental Health Services (EHS) agreed with the proposed closure of the case.

As per the Water Board, residual soil and groundwater contamination still underlies the site that could pose an unacceptable risk under certain site redevelopment activities such as site grading, excavation, or de-watering. The Central Coast Water Board, EHS, and the appropriate local planning and building departments must be notified prior to any changes in land use, grading activities, excavation, or dewatering. This notification should include a statement that residual soil and groundwater contamination underlie the property and may underlie nearby properties, and a description of the mitigation actions necessary (if any) to ensure that any possibly contaminated soils or groundwater brought to the surface by these activities are managed appropriately. Future site disturbance could require worker health and safety protection, and restrictions on the disposal of soil and groundwater. The levels of residual contamination and any associated risks are expected to diminish with time. The EHS may require additional site assessment if the property is proposed to be redeveloped. Additional actions required by EHS may include, but not limited to, a case review, further remedial action, soil gas analysis, and a human health risk assessment.

The current regulatory status of the 1144 Monterey Site is Case Open – Verification Monitoring.

Verification Monitoring is only for UST regulated cases, and means that the remediation phases are essentially complete and a monitoring/sampling program is occurring to confirm successful completion of cleanup at the Site.

1166 Monterey Street

Ecotech's review of City Directories, historical aerials, and Sanborns determined that Fred Mitchell's Richfield Service Station operated at 1166 Monterey Street, at the southeast corner (SEC) of Monterey Street and Toro Street, from at least 1949 to at least 1981 (Figure 4). The gas station is identified by name in the 1962 City Directory, and is visible on the 1949, 1956, 1960, 1963, 1976, and 1981 aerials, and on the 1950, 1957, and 1962 Sanborn Maps. The Site is not listed in any environmental database searched for this assessment, including GeoTracker and EnviroStor. That portion of the TP is currently used as a paved county parking lot. Ecotech did not contact the county or the fire department to inquire if archived records of the gas station are available for review. Consequently, Ecotech cannot determine if any USTs at the Site were removed, or if the surrounding soil and groundwater are contaminated due to the site's operations.

The area previously occupied by the Richfield Service Station is a Recognized Environmental Condition.

Nearby Sites with RECs

The EDR review identified several other sites in the vicinity of the TP with known RECs (Figure 5). Ecotech verified the EDR map by searching GeoTracker and determined that there is a single open REC site within 1,000 ft of the TP. The site is a former dry cleaner located at 1185 Higuera Street, approximately 600 ft down gradient to the southwest. It is listed by EDR as STALWORK, INC.

It is Ecotech's opinion that none of the nearby sites listed with known RECs currently impact the TP.

4 – Recommendations

1144 Monterey Street

If the JCC takes title to the 1144 Monterey Site, Ecotech recommends that it be prepared to conduct a Phase II site investigation of the footprint of the former Kimball Motors building.

1166 Monterey Street

Ecotech recommends informing the County of the past operation of the gasoline service station that operated on the southeast corner of the Site for at least 32 years.

5 – Property Description

The subject property is comprised of a single parcel (APN: 002-326-021), as shown on Figure 3. There are two buildings with separate addresses: 1134 Monterey is the San Luis Obispo County Department of Parks and Recreation. 1144 Monterey houses other SLOCO offices, and the parking lot is used by county employees. The TP is bordered to the south by Monterey Street; to the north by Montereypalm Alley; to the east by Toro Street; and to the west by 1100 Monterey Street, the home of the San Luis Diagnostic Center.

Depth to groundwater at the TP is reported to be less than five feet below ground surface, and the groundwater flow is generally to the south southwest.

San Luis Obispo Creek is approximately 0.15 miles (259 km) southeast of the TP.

6 – Site Perimeter Assessment

On April 24, 2023, Jeff Root, President of Ecotech Resources, Inc. conducted a solo walk-around site visit. Mr. Root was unaccompanied by a county employee and, as such, did not venture onto the site, or into either of the two buildings. Mr. Root walked the perimeter of the TP, took pictures (Appendix B), and did not observe any indication of adverse environmental impacts from current or past operations.

7 – Environmental Setting

San Luis Obispo is located on U.S. Route 101, about 31 miles (50 km) north of Santa Maria, and roughly halfway between Los Angeles and San Francisco. The area of the city is 13.25 square miles (34.3 km^2). The Pacific Ocean is approximately 11 miles (18 km) west. SLO is encompassed in the 84-square mile (220 km^2) watershed of the San Luis Obispo Creek whose headwaters are in the Santa Lucia Mountains less than one mile to the east. The area is seismically active with several nearby faults including the San Andreas Fault. A string of volcanic plugs called the Nine Sisters run partially through the city. Six of the nine are open to the public. Typically, SLO experiences a warm Mediterranean-like climate, with an average of 50 days of rain per year.

San Luis Obispo County encompasses approximately 3,300 square miles of land along the central coast of California and has an estimated population of over 270,000. San Luis Obispo County is bordered by Monterey County to the north, Kern County to the east, Santa Barbara County to the south, and 100 miles of Pacific coastline to the west. U.S. Route (US) 101 runs in a north–south direction through the county, providing a connection to Monterey County to the north and Santa Barbara County to the south. The county is characterized by relatively flat coastal areas to steeply sloping mountains and hills.

8 – Current and Historical Land Use Review

Ecotech examined historical resources provided by EDR in the form of historical aerial photographs, USGS Topographic maps, Sanborn Fire Insurance Maps, and city directories for indications of potential environmental issues of concern, as well as for historical land use information. A summary of the years covered is shown in the following bullet list and discussed below.

- **Aerials**: 1939, 1949, 1956, 1963, 1976, 1981, 1994, 2006, 2009, 2012, 2016, 2020
- **Sanborns**: 1886, 1888, 1891, 1903, 1905, 1909, 1926, 1950, 1957, 1962
- **Topps**: 1897, 1900, 1916, 1942, 1948, 1952, 1965, 1976, 1979, 1995, 2012, 2015, 2018
- **City Directories**: 1962, 1967, 1972, 1977, 1981, 1985, 1990, 1995, 2005, 2017, 2020

Ecotech used EDR's retrieval of historical aerial photographs, Sanborns, Topos, and City Directories to develop a history of the Target Property. These sources show that buildings have occupied the TP since at least 1886. Sanborn Maps and aerials show that a structure called The Pavilion covered most

of the site from 1891 to at least 1939. The Pavilion was originally built as an agricultural pavilion, but the building later functioned as the Civic Auditorium, a women's civic club, and Cal Poly student housing. A small building housing the Auto Club of Southern California was on the southwest corner from 1926 to 1962. It does not appear on the 1963 aerial. The 1949 aerial and the 1950 Sanborn Map show Monterey Motors (later, Kimball Motors), an auto dealership with repair service, at 1144 Monterey, and Fred Mitchell's Richfield Gasoline Service Station at 1166 Monterey Street. The auto dealer facility added a building extension along Montereypalm Alley to the north in 1963, which is still in place. The auto dealership building has occupied the TP from 1949 to the present. The gas station appears on aerials and Sanborns from 1949 to 1981. The 2006 aerial shows that the gas station was replaced by a parking lot. There is no aerial photo coverage of the TP from 1981 to 1994, and from 1995 to 2006, and no Sanborn coverage beyond 1962.

9 – GeoTracker Review

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. GeoTracker contains records for sites that require cleanup, such as Leaking Underground Storage Tank (LUST) Sites, Department of Defense Sites, and Cleanup Program Sites. GeoTracker also contains records for various unregulated projects as well as permitted facilities including: Irrigated Lands, Oil and Gas production, operating Permitted USTs, and Land Disposal Sites.

Ecotech downloaded the below list of documents from the GeoTracker online system. Numbers one and two show the LUST Site Closures for Monterey Motors as of 11/17/1988, and for Kimball Motors as of 4/22/2009, respectively. The third shows the Kimball Motors Site as Open – Verification Monitoring as of 8/24/2016, and the fifth is a CCRWQCB Notice of Corrective Action summarizing the corrective actions taken from 1988 through 2014. Number six is the GeoTracker listing for 1085 Higuera Street showing that the Site is listed as an Open Case – Site Assessment as of 7/10/2014.

1. Monterey Motors (T06079000021); LUST Cleanup Site: Completed – Case Closed as of 11/17/1988.
2. Kimball Motors (T0607900067); LUST Cleanup Site: Completed – Case Closed as of 4/22/2009.
3. Kimball Motors (T10000001025); Cleanup Program Site: Open – Verification Monitoring as of 8/24/2016.
4. CCRWQCB Public Notice of Corrective Action Plan; Former Kimball Motors; 7/10/2014.
5. 1085 Higuera Street (T0000016718); Cleanup Program Site: Open – Site Assessment as of 1/27/2022.

10 – Environmental Database Review

Environmental Data Resources (EDR)

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due

Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

EDR's search of federal databases included the NPL (National Priority List), Proposed NPL, Delisted NPL, NPL Liens, CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System), CERC-NFRAP (CERCLIS No Further Remedial Action Planned), LIENS 2 (CERCLA Lien Information), CORRACTS (Corrective Action Reports under RCRA), RCRA-TSDF (RCRA – Treatment, Storage, and Disposal), RCRA-CESQG (RCRA – Conditionally Exempt Small Quantity Generator), US ENG CONTROLS (Engineering Controls Sites List), US INST CONTROL (Sites with Institutional Controls), ERNS (Emergency Response Notification System), HMIRS (Hazardous Materials Information Reporting System for spill incidents reported to the DOT), DOT OPS (Incident and Accident Data), US CDL (Clandestine Drug Labs), US BROWNFIELDS (A Listing of Brownfields Sites), DOD (Department of Defense Sites), FUDS (Formerly Used Defense Sites), LUCIS (Land Use Control Information System), CONSENT (Superfund/CERCLA Consent Decrees), ROD (Records of Decision for NPL sites), UMTRA (Uranium Mill Tailings Sites), DEBRIS REGION 9 (Torres Martinez Reservation Illegal Dump Site Locations), ODL (Open Dump Inventory), US MINES (Mines Master Index File), TSCA (Toxic Substances Control Act), and 22 others.

EDR's search of state and local databases included CA BOND EXP PLAN (Bond Expenditure Plan), SCH (School Property Evaluation Program), Toxic Pits (Toxic Pits Cleanup Act Sites), SWF/LF (Solid Waste Disposal Facilities), UIC (UIC Listing), WDS (Waste Discharge System), Cortese ("Cortese" Hazardous Waste & Substances Sites List), SWRCY (Recycler Database), UST (Registered Underground Storage Tanks), HAZNET (DTSC Hazardous Waste Manifest Data) LIENS (Environmental Liens Listing), LDS (Land Disposal Sites Listing), MCS (Military Cleanup Sites Listing), DEED (Deed Restriction Listing), VCP (Voluntary Cleanup Program Properties), DRYCLEANERS (Cleaner Facilities), WIP (Well Investigation Program Case List), ENF (Enforcement Action Listing), CDL (Clandestine Drug Labs), HAULERS (Registered Waste Tire Haulers Listing), WMUDS/SWAT (Waste Management Unit Database), PROC (Certified Processors Database), HWT (Registered Hazardous Waste Transporter Database), MWMP (Medical Waste Management Program Listing), and HWP (EnviroStor Permitted Facilities Listing). Additionally, EDR searched 5 tribal databases and 5 EDR proprietary databases.

The historical information provided by EDR confirmed that USTs were removed from the 1144 Monterey Street in November 1988, and that the Site was subsequently closed as a LUST Site. Most of the EDR listings cover various environmental regulatory issues regarding reporting and managing small quantities of hazardous waste generated by onsite auto repair operations.

EnviroStor

EnviroStor is the Department of Toxic Substances Control's data management system for tracking the cleanup, permitting, enforcement and investigation efforts at hazardous waste facilities and sites with known contamination or sites where there may be reasons to investigate further. EnviroStor did not provide any information on either the 1144 or the 1166 Monterey Street addresses.

11 – Methodology

Ecotech conducted this Phase I Environmental Site Assessment in general accordance with ASTM E1527-21 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." The purpose of the Phase I was to identify known, suspected, or potential RECs on the subject parcel.

ASTM E1527-21 defines a REC as:

"The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property due to release to the environment; under conditions indicative of a release to the environment or under conditions that pose a material threat of future release. De minimis conditions are not recognized environmental conditions."

ASTM E1527-21 also defines the terms Historical Recognized Environmental Condition (HREC) and Controlled Recognized Environmental Condition (CREC) as:

HREC: "A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls)."

CREC: "A REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a NFA letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls)."

To perform the Phase I, Ecotech employed the following methodology:

- Site perimeter assessment conducted on April 24, 2023.
- Review and evaluation of the GeoTracker online environmental database maintained by the State Water Resources Control Board (SWRCB).
- Review and evaluation of the EnviroStor online environmental database maintained by the Department of Toxic Substances Control (DTSC).
- Review and evaluation of the federal and state environmental database searches conducted by EDR.
- Review and interpretation of maps and other sources depicting local and regional geological and hydrogeological conditions.
- Review, comparison, and interpretation of historical and recent aerial photographs of the study area.
- Review, comparison, and interpretation of archival U.S. Geological Survey (USGS) topographic maps.
- Digitally recording images of the subject property during the walk-through.
- Preparation of this report, including tabulated data, figures, and appendices, to present findings of the Phase I ESA.

12 – Limitations

Ecotech prepared this Phase I Environmental Site Assessment in accordance with the scope of work agreed upon by the JCC in accordance with generally accepted engineering and scientific principles and practices and in general conformity to the ASTM Standard Practice E1527-21. The statements, findings, and opinions contained in this report provide only approximations of the environmental conditions of the subject parcels. As such, it is important that anyone who reviews and relies on this report understand the following limitations:

- Uncertainty Not Eliminated – "No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and this practice recognizes reasonable limits of time and costs." (Section 4.5.1 of the ASTM Standard Practice E1527-21).
- Not Exhaustive – "All appropriate inquiry" does not mean an exhaustive assessment of a clean property. There is a point at which the cost of information obtained outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an ESA and the reduction of uncertainty about unknown conditions resulting from additional information." (Section 4.5.2 of the ASTM Standard Practice E1527-21).
- Comparison with Subsequent Inquiry – "It should not be concluded or assumed that an inquiry was not an "all appropriate inquiry" merely because the inquiry did not identify recognized environmental conditions in connection with a property. ESAs must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent ESAs should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors." (Section 4.5.4 of the ASTM Standard Practice E1527-21).

Users of this Phase I ESA are cautioned that statutes, regulations, guidance, case law, and/or other authorities analyzed and/or referenced in this report may have changed since the date of this report.

This report was prepared pursuant to an agreement between Ecotech Resources, Inc. and Montrose Environmental, as a consultant for the JCC. No other party is entitled to rely on the conclusions, observations, specifications, or data contained herein without first obtaining written consent from the Judicial Council of California.

13 – Data Gaps

ASTM E1527-13, Section 12.7 defines Data gaps and Data failures as:

- "Data gap—a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.)."
- "Data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met."

The following potential data gaps or data failures encountered during the course of this assessment are addressed as follows:

- The earliest historical aerial photograph available and reasonably obtainable within the time

frame of this report is dated at 1939. Available aerial photographs spanned intervals of more than five years. The ASTM E1527-21 requirement is to determine all obvious uses of the property from the present back to the property's first developed use, or back to 1940, whichever is earlier, and calls for analysis at five-year intervals. Lack of resources is a data failure but is not expected to affect the results of this assessment.

- Per ASTM E1527-21, past owners, operators and occupants of the subject property who are likely to have material information regarding the potential for contamination at the subject properties are to be contacted to the extent that they can be identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. Ecotech did not interview past or present owners and/or operators at the subject parcels. This data gap does not represent a data failure but limits the use of this assessment in conducting environmental due diligence of the subject parcels.

14 – Qualifications

This Phase I Environmental Site Assessment was prepared by Jeff Root of Ecotech Resources, Inc. Ecotech declares that Mr. Root meets the definition of an environmental professional as defined in Section 312.10 of 40 Code of Federal Regulations (CFR) 312 and has the specific qualifications based on education, training, and experience to assess a property of the study area's nature, history, and setting. Subject to the limitations described herein, Ecotech Resources, Inc. has performed all appropriate inquiries in general conformance with the standards and practice set forth in 40 CFR 312, and ASTM Standard E1527-21.

15 – References

Environmental Data Resources (EDR), Inc. April 14, 2023. The EDR Radius Map Report™ and EDR Summary Radius Map Report™, 1144 Monterey Street, San Luis Obispo, CA 93408, Inquiry Number: 7308602.2s.

Environmental Data Resources (EDR), Inc. April 14, 2023. The EDR Aerial Photo Decade Package, 1144 Monterey Street, San Luis Obispo, CA 93408, Inquiry Number: 7308602.3.

Environmental Data Resources (EDR), Inc. April 14, 2023. The EDR Historical Topographic Map Report, 1144 Monterey Street, San Luis Obispo, CA 93408, Inquiry Numbers: 7308602.4_1, 7308602.4_2.

Environmental Data Resources (EDR), Inc. April 14, 2923. The EDR Certified Sanborn® Map Report, 1144 Monterey Street, San Luis Obispo, CA 93408, Inquiry Number: 7308602.3.

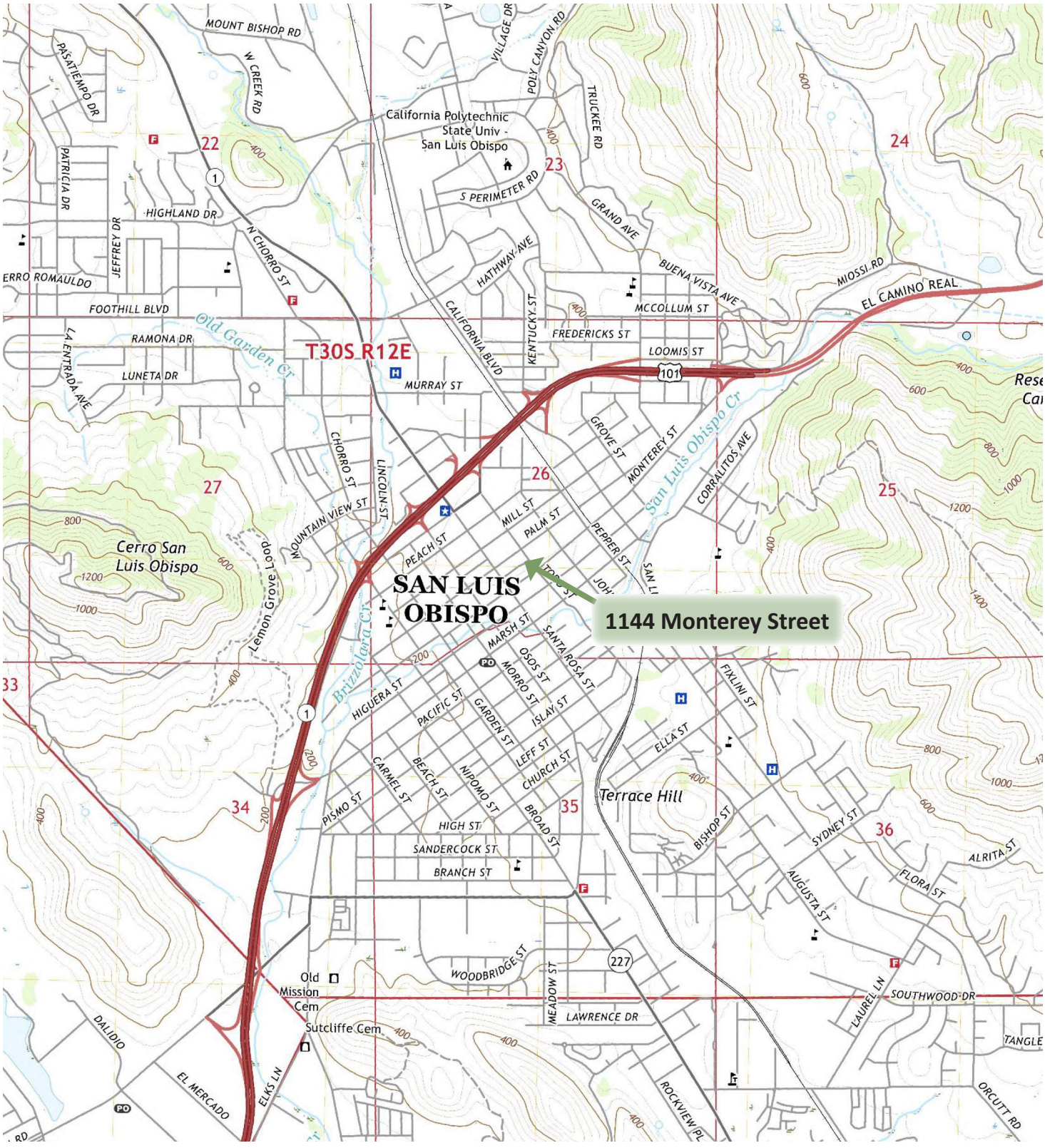
Environmental Data Resources (EDR), Inc. April 14, 2023. The EDR-City Directory Image Report, 1144 Monterey Street, San Luis Obispo, CA 93408, Inquiry Number: 7308602.5.

Environmental Data Resources (EDR), Inc. April 14, 2023. The EDR Building Permit Report, 1144 Monterey Street, San Luis Obispo, CA 93408, Inquiry Number: 7308602.8.

Environmental Data Resources (EDR), Inc. April 14, 2023. The EDR Property Tax Report, 1144 Monterey Street, San Luis Obispo, CA 93408, Inquiry Number: 7308602.6.

Environmental Data Resources (EDR), Inc. April 14, 2023. The EDR Environmental Lien and AUL Search, 1144 Monterey Street, San Luis Obispo, CA 93408, Inquiry Number: 7308602.7.

Figure 1
Location of Target Property



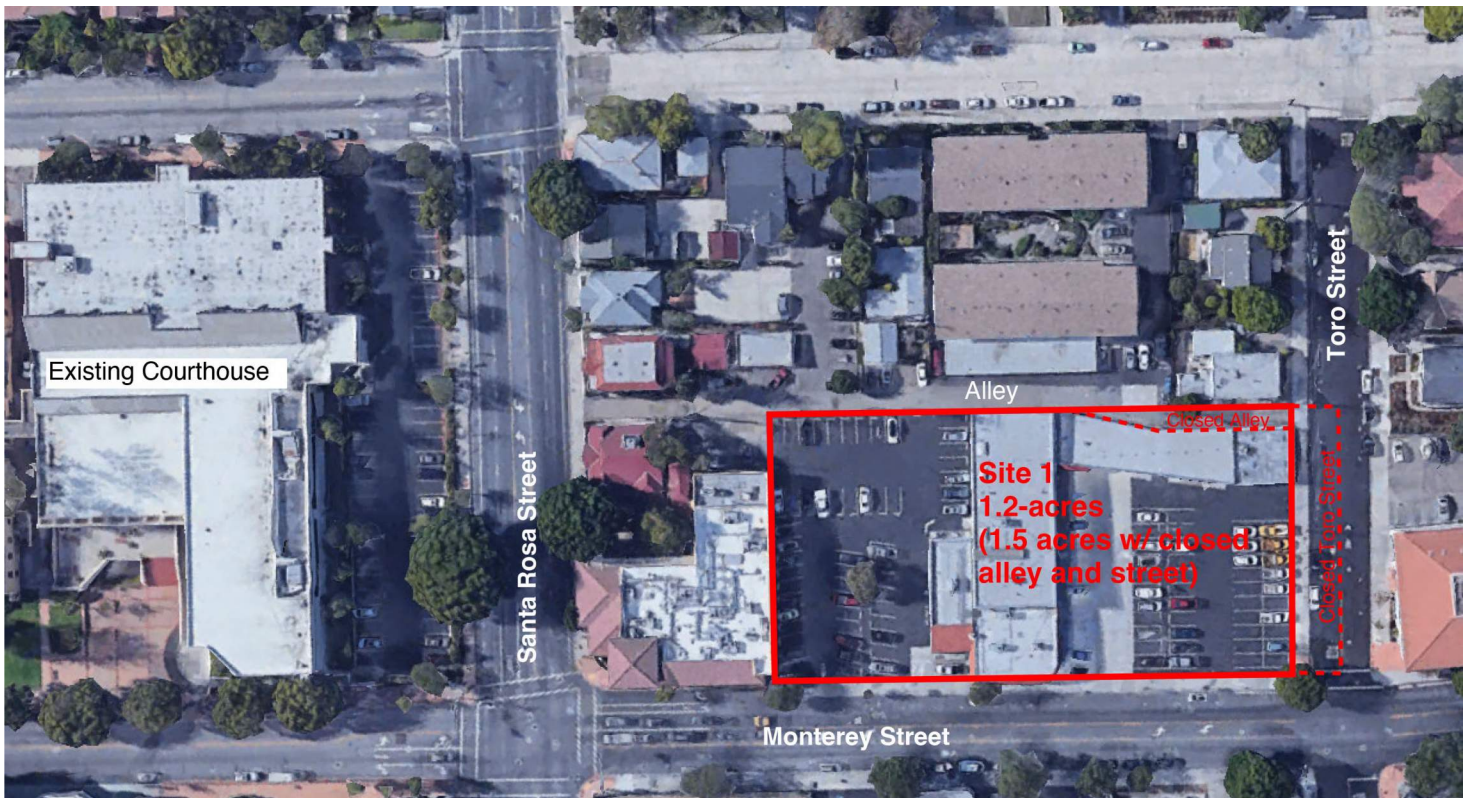
Ecotech Resources, Inc.

Site: 1 JCC SLO
1144 Monterey Street, San Luis Obispo, California

2018

Figure 1

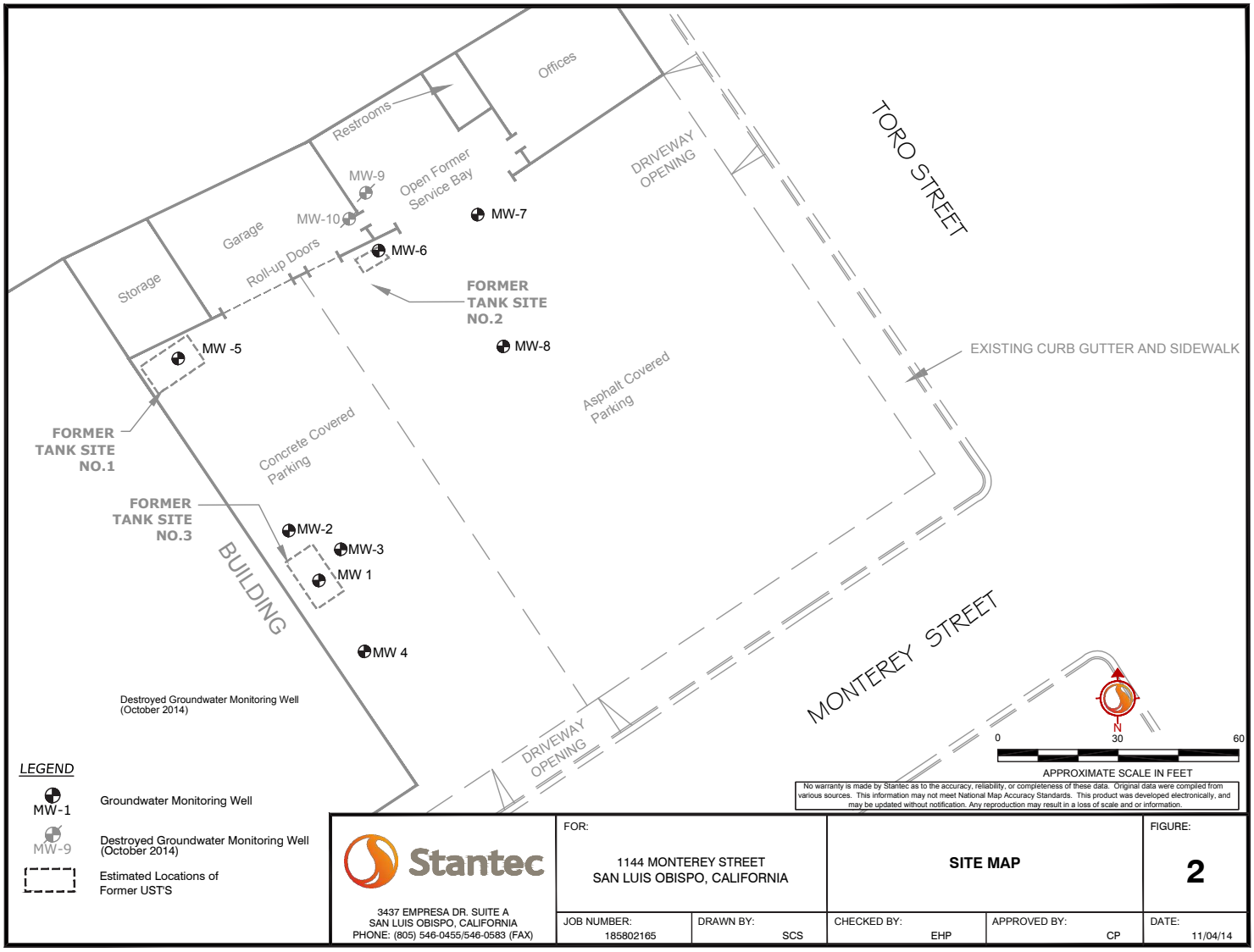
Figure 2
JCC Provided Figure



NEW SAN LUIS OBISPO COURTHOUSE
SITE 1: 1144 Monterey Street + Closure of Alley as shown + Closure of Toro Street and removal of street parking
APN: 002-326-021

Ecotech Resources, Inc.	**Site: 1 JCC SLO** **1144 Monterey Street, San Luis Obispo, California**	
	2023	Figure 2

Figure 3
Kimball Motors USTs



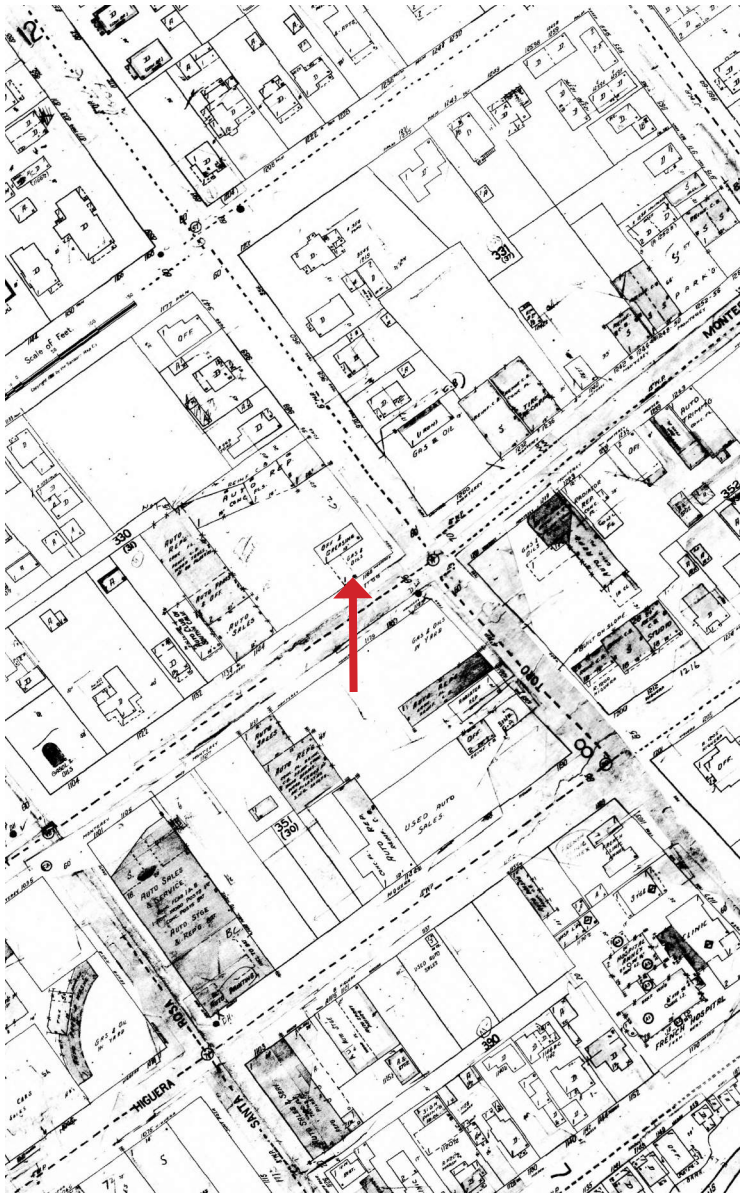
Ecotech Resources, Inc.

Site: 1 JCC SLO
1144 Monterey Street, San Luis Obispo, California

2014

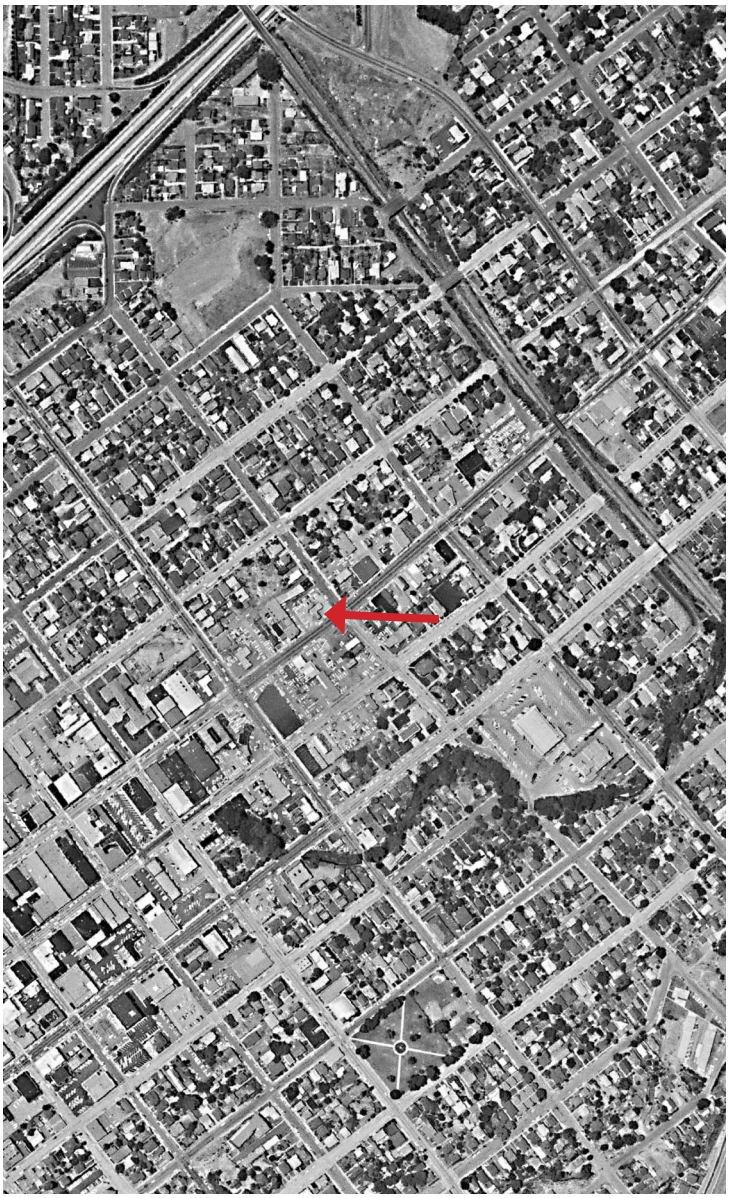
Figure 3

Figure 4
1166 Monterey Street: Gas Station



Detail from 1962 Sanborn Map –
Gas Station Indicated

Detail from 1963 Historical Aerial Photo –
Gas Station Indicated



MONTEREY ST 1962

1144 Kimball Mtr Co Inc autos
LI3-5752
1146 KATY Radio STA
LI3-1340
1166 Mitchell's Fred Richfield
Serv gas sta LI3-9368

Source
POLK DIRECTORY CO

Ecotech Resources, Inc.

Site: 1 JCC SLO
1166 Monterey Street, San Luis Obispo, California

1962, 1963 | Figure 4

Figure 5
EDR Radius Map

Ecotech Resources, Inc.

Site: 1 JCC SLO
1144 Monterey Street, San Luis Obispo, California

2023

Figure 5

APPENDIX A
GeoTracker Case Docs

- Monterey Motors (T06079000021); LUST Cleanup Site: Completed – Case Closed as of 11/17/1988.
- Kimball Motors (T0607900067); LUST Cleanup Site: Completed – Case Closed as of 4/22/2009.
- Kimball Motors (T10000001025); Cleanup Program Site: Open – Verification Monitoring as of 8/24/2016.
- CCRWQCB Public Notice of Corrective Action Plan; Former Kimball Motors; 7/10/2014.
- 1085 Higuera Street (T0000016718); Cleanup Program Site: Open – Site Assessment as of 1/27/2022.

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

MONTEREY MOTORS (T0607900021) - (MAP)

SIGN UP FOR EMAI

1144 MONTEREY ST
SAN LUIS OBISPO, CA 93401
SAN LUIS OBISPO COUNTY
LUST CLEANUP SITE (INFO)
COMPLETED - CASE CLOSED AS OF 11/17/1988 - DEFINITION
PRINTABLE CASE SUMMARY / CSM REPORT

CLEANUP OVERSIGHT AGENCIES
SAN LUIS OBISPO, CITY OF *(LEAD)*
CASEWORKER: UST CASE WORKER
CENTRAL COAST RWQCB (REGION 3) - C

Summary | Cleanup Action Report | Regulatory Activities | *Environmental Data (ESI)* | Site Maps / Documents | Community Involvement | Related Cases

Regulatory Profile

PRINTABLE CASE SUMM

CLEANUP STATUS - DEFINITIONS
COMPLETED - CASE CLOSED AS OF 11/17/1988 - CLEANUP STATUS HISTORY

POTENTIAL CONTAMINANTS OF CONCERN
GASOLINE

POTENTIAL MEDIA OF CONCERN
UNDER INVESTIGATION

FILE LOCATION

DESIGNATED GROUNDWATER BENEFICIAL USE(S) - DEFINITIONS
MUN, AGR, IND, PROC

DWR GROUNDWATER SUB-BASIN NAME
San Luis Obispo Valley (3-009)

CALWATER WATERSHED NAME
Estero Bay - Point Buchon - San Luis Obispo Creek (310.24)

Site History

No site history available

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

KIMBALL MOTORS (T0607900067) - (MAP)

SIGN UP FOR EMAI

1144 MONTEREY ST
SAN LUIS OBISPO, CA 93401
SAN LUIS OBISPO COUNTY
LUST CLEANUP SITE (INFO)
COMPLETED - CASE CLOSED AS OF 4/22/2009 - DEFINITION
PRINTABLE CASE SUMMARY / CSM REPORT

CUF Claim #:	1323
CUF Priority Assigned:	B
CUF Amount Paid:	$129,740

CLEANUP OVERSIGHT AGENCIES
CENTRAL COAST RWQCB (REGION 3) *(LEAD)* - CA
SAN LUIS OBISPO COUNTY
CASEWORKER: *Linnea Grossman*

Summary | Cleanup Action Report | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement | Related Cases | LUST CUF Data

Regulatory Profile

PRINTABLE CASE SUMM

CLEANUP STATUS - DEFINITIONS
COMPLETED - CASE CLOSED AS OF 4/22/2009 - CLEANUP STATUS HISTORY

POTENTIAL CONTAMINANTS OF CONCERN
DIESEL, GASOLINE, SOLVENTS, TRICHLOROETHYLENE (TCE), VINYL CHLORIDE

POTENTIAL MEDIA OF CONCERN
AQUIFER USED FOR DRINKING WATER SUPPLY

FILE LOCATION
REGIONAL BOARD

DESIGNATED GROUNDWATER BENEFICIAL USE(S) - DEFINITIONS
MUN, AGR, IND, PROC

DWR GROUNDWATER SUB-BASIN NAME
San Luis Obispo Valley (3-009)

CALWATER WATERSHED NAME
Estero Bay - Point Buchon - San Luis Obispo Creek (310.24)

Site History

Upon recommendation from the UST cleanup fund 5-yr review and after a thorough case review at the Regional level, Regional Board staff closed this case administratively on 4/22/09 Regional Board staff have opened a new Site Cleanup case. The new global ID is T10000001025. - Adair

Based on the soil investigation, groundwater monitoring, and cleanup results, Central Coast Water Board staff believes there is no significant threat to groundwater resources, human health and the environment from this site. Petroleum hydrocarbon concentration trends are downward, and remaining residual soil and groundwater contamination are well characterize and contracting or declining in size and concentration. The contaminant mass has been removed from the site to the maximum extent practicable, and historical monitoring data indicat contaminant concentrations in groundwater will likely decrease to below cleanup goals in a reasonable time. The San Luis Obispo County Environmental Health Services (EHS) agrees with our proposed closure of the case.

Residual soil and groundwater contamination still underlies the site that could pose an unacceptable risk under certain site redevelopment activities such as site grading, excavation, or watering. The Central Coast Water Board, EHS, and the appropriate local planning and building departments must be notified prior to any changes in land use, grading activities, excavation, or dewatering. This notification should include a statement that residual soil and groundwater contamination underlie the property and may underlie nearby properties, and description of the mitigation actions necessary (if any) to ensure that any possibly contaminated soils or groundwater brought to the surface by these activities are managed appropriate Future site disturbance could require worker health and safety protection, and restrictions on the disposal of soil and groundwater. The levels of residual contamination and any associa risks are expected to diminish with time. The EHS may require additional site assessment if the property is proposed to be redeveloped. Additional actions required by EHS may include but not limited to, a case review, further remedial action, soil gas analysis, and a human health risk assessment.

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

KIMBALL MOTORS (T10000001025) - (MAP)

SIGN UP FOR EMAI

1144 MONTEREY STREET
SAN LUIS OBISPO, CA 93401
SAN LUIS OBISPO COUNTY
CLEANUP PROGRAM SITE (INFO)
OPEN - VERIFICATION MONITORING AS OF 8/24/2016 - DEFINITION
PRINTABLE CASE SUMMARY / CSM REPORT

CLEANUP OVERSIGHT AGENCIES
CENTRAL COAST RWQCB (REGION
CASEWORKER: ***GREG BISHOP***

Summary | Cleanup Action Report | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement | Related Cases

Regulatory Profile

PRINTABLE CASE SUMM

CLEANUP STATUS - DEFINITIONS
OPEN - VERIFICATION MONITORING AS OF 8/24/2016 - CLEANUP STATUS HISTORY

POTENTIAL CONTAMINANTS OF CONCERN
OTHER CHLORINATED HYDROCARBONS, TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE), VINYL CHLORIDE

POTENTIAL MEDIA OF CONCERN
AQUIFER USED FOR DRINKING WATER SUPPLY, SOIL

FILE LOCATION
REGIONAL BOARD

DESIGNATED GROUNDWATER BENEFICIAL USE(S) - DEFINITIONS
MUN, AGR, IND, PROC

DWR GROUNDWATER SUB-BASIN NAME
San Luis Obispo Valley (3-009)

CALWATER WATERSHED NAME
Estero Bay - Point Buchon - San Luis Obispo Creek (310.24)

Site History

UST case closed on 04/22/2009. Chlorinated solvent release from clarfier/sump not addressed. Case referred to Site Cleanup Program staff to continue regulatory oversight.

CALIFORNIA Water Boards

Edmund G. Brown Jr.
Governor

Matthew Rodriquez
Secretary for
Environmental Protection

Central Coast Regional Water Quality Control Board

Public Notice of
Corrective Action Plan

Former Kimball Motors
(Now San Luis Obispo County
Service Buildings)
1144 Monterey Street,
San Luis Obispo, CA

July 10, 2014

The Water Board is providing this notification to the landowners, residents/occupants, tenants, and interested parties near this soil and groundwater cleanup site to notify you of upcoming cleanup actions and to solicit comments. This notification describes the site background, previous environmental investigations, and the proposed cleanup plan.

Introduction

The Central Coast Regional Water Quality Control Board (Water Board) is the regulatory agency responsible for overseeing soil and groundwater investigation and cleanup at the former Kimball Motors site now owned by the County of San Luis Obispo (County). The County is now the responsible party [RP] for the site located on 1144 Monterey Street in San Luis Obispo. Cleanup of impacted soils at the site began in 1988 with the removal of three underground storage tanks (USTs) and hydrocarbon impacted soils associated with the former service station. The RP has conducted two additional phases of service station equipment removal and/or remediation but solvents remain locally (onsite) in the shallow soil and groundwater at concentrations above human health screening levels. The purpose of this notification is to provide the public with a summary of the soil cleanup activities planned for this site.

Site Background

The site consists of an approximately three-quarter-acre lot that is mostly covered by an asphalt parking area with bordering offices, car port and garage, and storage space. The USTs were located on the northwest portion and automotive repair activities occurred in the garage bays located on the north side of the property (Figure 1). Based on site monitoring data and previous soil excavations, the remaining soil and groundwater pollution is associated with the former oil-water clarifier, drain, and drain lines and is restricted on the property to the area between the garage and open former service bay beneath the wall foundation structure.

Environmental Investigations and Monitoring

Seven groundwater monitoring wells are currently sampled to monitor groundwater conditions beneath the site. The monitoring wells have screen intervals that extend between 8 and 19 feet below ground surface. Groundwater flows towards Monterey Street in alluvial sediments in a south-southwesterly direction with a recent depth to groundwater of between three and five feet below ground surface (as measured in September 2013). The alluvium is relatively thin were the underlying bedrock is at shallower depths near the garage/carport area. Bedrock occurs at approximately 7 feet below ground surface in that area.

The site was regulated under the State of California's UST program until 2009 when Water Board staff transferred the project to the site cleanup program because remaining pollutants are not a result of the former USTs. Volatile organic compounds (VOCs), presumably used for parts cleaning and degreasing, remain in the groundwater above the California maximum contaminant levels (MCLs) for drinking water and screening levels for risk to indoor air exposure from vapor intrusion (vinyl chloride and 1,2-dichloropropane only). Groundwater samples collected in September 2013 had maximum detected concentrations for chlorobenzene and vinyl chloride of 3,900 and 150 micrograms per liter near monitoring well MW-9, respectively, exceeding their respective MCLs of 70 and 0.5 micrograms per liter. Vinyl chloride is a by-product of the bioremediation process in which the degreasing solvent tetrachloroethene (PCE) and its daughter products are eventually broken down into harmless byproducts by naturally occurring bacteria. The RP had treated the MW-9 area with a carbon substrate in 2005 to spur bioremediation. The treatment was successful in treating PCE and other VOCs but vinyl chloride and chlorobenzene persist above MCLs in the MW-9 (carport) area. In December 2012, the RP collected vapor samples in the office adjacent to the carport and vinyl chloride and 1,2-dichloropropane were not detected. The vapor survey indicates that there is not a significant pathway for vapors to migrate from groundwater to indoor air at the existing office building.

Proposed Cleanup Approach

The RP is planning to excavate the remaining polluted soil out from beneath the wall on the west side of the carport. The RP will support the wall with a temporary foundation so that the building does not have to be removed during the excavation. The RP will temporarily hold polluted soils in covered bins before transporting them to an appropriate landfill facility for disposal. Water entering the excavation will be temporarily stored before transporting to an appropriate disposal facility. The RP may apply a chemical oxidizer to the excavation before backfilling the excavation as a "polishing step" to ensure that any remaining polluted soils are treated.

Next Steps in Cleanup

The RP anticipates that the cleanup activities will begin in mid-August 2014. Field activities, including temporary foundation work, excavation and backfilling, are estimated to require approximately one-month to complete.

The RP will provide Water Board staff with a report describing the soil cleanup activities and confirmation sampling results. This report and other related environmental reports are available for public review. Water Board staff will review the documents to assess cleanup effectiveness and potential next steps.

Public Comment Period

The public has 30 days to comment on the draft June 17, 2014 Corrective Action Plan, as summarized in this fact sheet. Copies of the reports are available on GeoTracker (http://geotracker.waterboards.ca.gov) at the following website address:

http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000001025

If you would like more information or you need a hardcopy of a report, or if you wish to comment on the information provided, please contact Dean Thomas at the Water Board.

All interested parties are required to submit their comments to the Water Board in writing on or before **August 11, 2014**, for Water Board staff consideration. Comments should be addressed to:

Mr. Dean Thomas

Central Coast Water Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401
Tel: (805) 549-3690
Fax: (805) 788-3594
dean.thomas@waterboards.ca.gov

If you would like to receive future correspondence on this cleanup site, please contact Mr. Dean Thomas and request to be added to the interested parties' mailing list.

P:\SCP\SITES\SLO Co\San Luis Obispo\1144 Monterey-Kimball\Fact Sheet

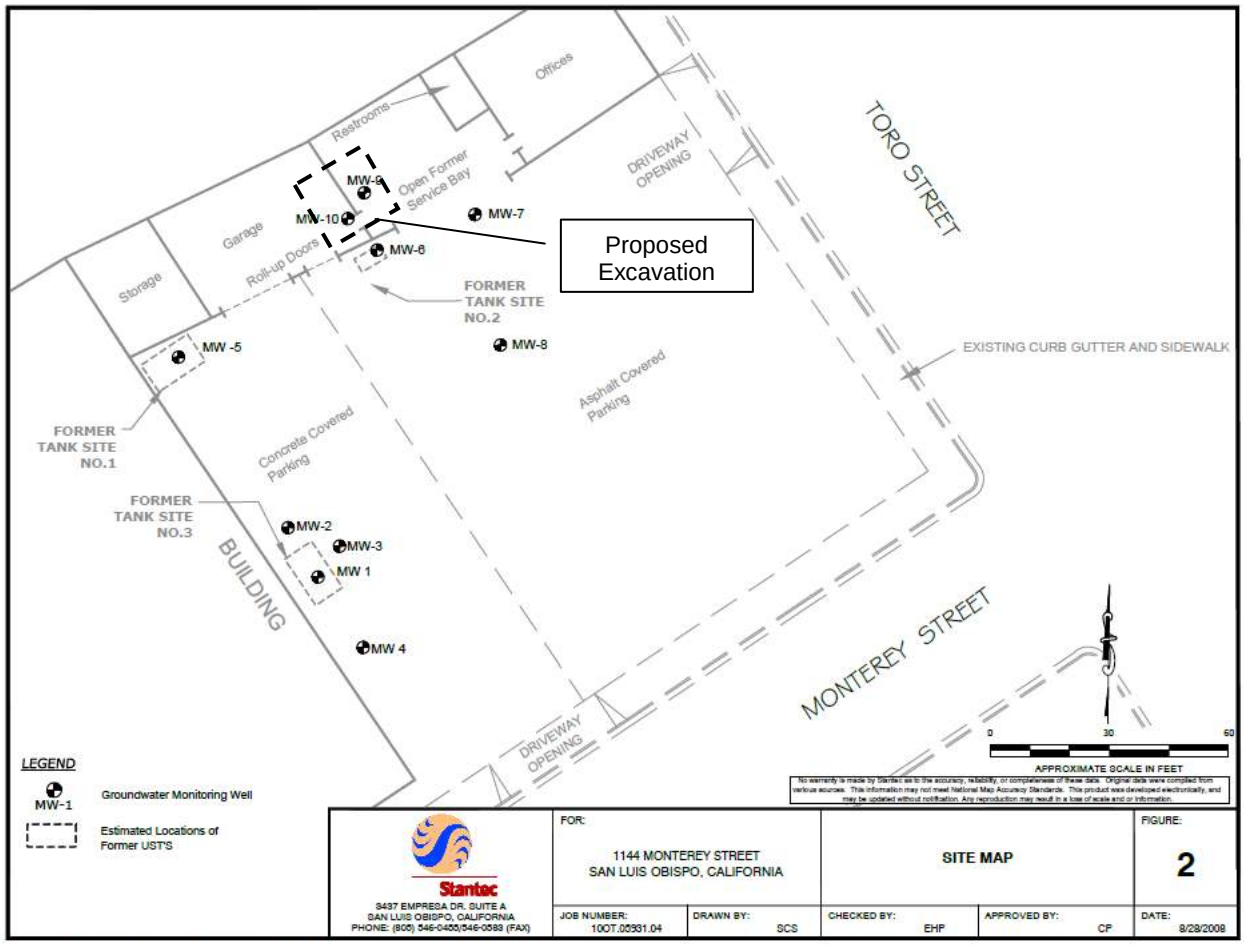


Figure 1. Site Map

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

1085 HIGUERA STREET (T10000016718) - (MAP)

SIGN UP FOR EMAI

1085 HIGUERA STREET
SAN LUIS OBISPO, CA 93401
SAN LUIS OBISPO COUNTY
CLEANUP PROGRAM SITE (INFO)
OPEN - SITE ASSESSMENT AS OF 1/27/2022 - DEFINITION
PRINTABLE CASE SUMMARY / CSM REPORT

CLEANUP OVERSIGHT AGENCIES
CENTRAL COAST RWQCB (REGION
CASEWORKER: DEAN THOMAS

Summary | Cleanup Action Report | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement | Related Cases

Regulatory Profile

PRINTABLE CASE SUMM

CLEANUP STATUS - DEFINITIONS
OPEN - SITE ASSESSMENT AS OF 1/27/2022 - CLEANUP STATUS HISTORY

POTENTIAL CONTAMINANTS OF CONCERN
BENZENE, NAPHTHALENE, TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE)

POTENTIAL MEDIA OF CONCERN
NONE SPECIFIED

FILE LOCATION

DESIGNATED GROUNDWATER BENEFICIAL USE(S) - DEFINITIONS
MUN, AGR, IND, PROC

DWR GROUNDWATER SUB-BASIN NAME
San Luis Obispo Valley (3-009)

CALWATER WATERSHED NAME
Estero Bay - Point Buchon - San Luis Obispo Creek (310.24)

Site History

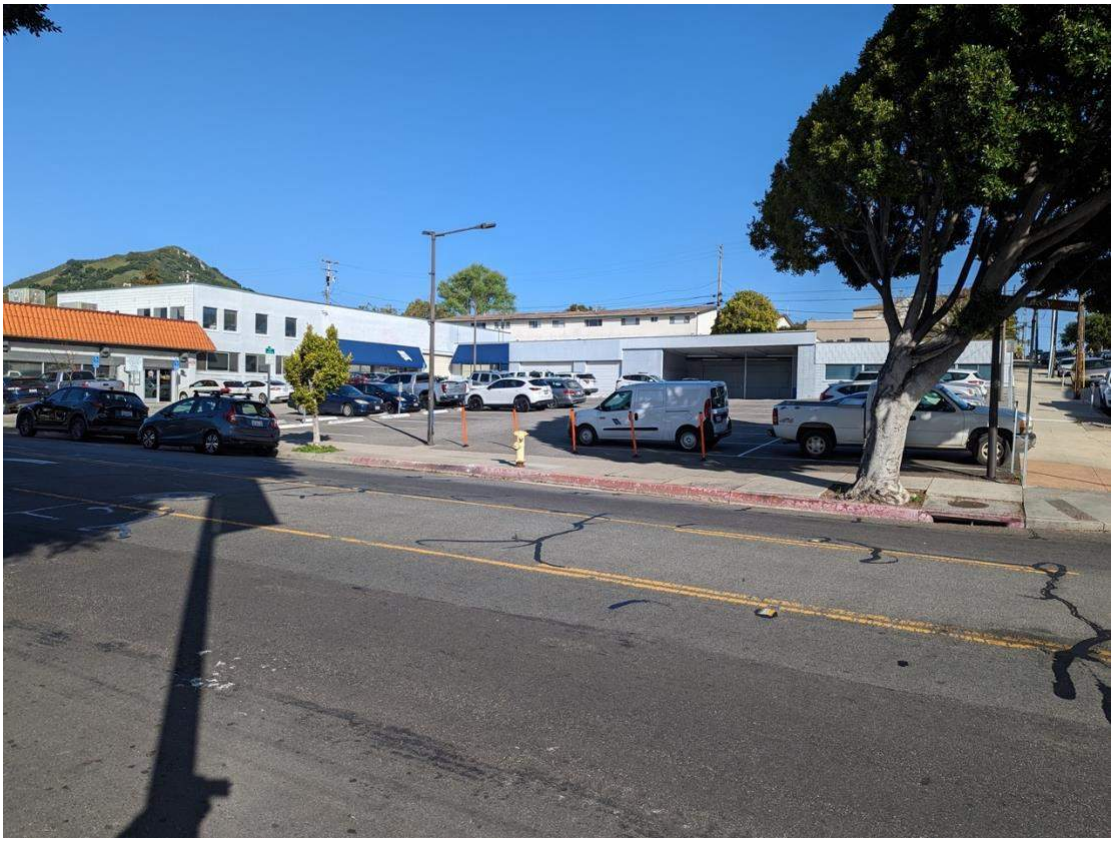
Former dry cleaner with PCE detection in soil vapor.

APPENDIX B

Site Photos

April 24, 2023
1144 Monterey Street
San Luis Obispo, California 93408

Site Photos: April 24, 2023
1144 Monterey Street
San Luis Obispo, California 93408




Think Outside
San Luis Obispo County
Department of
Parks & Recreation
Think Outside

APPENDIX C

Aerial Photographs

1939 – 2020

Site 1 SLO Judicial

1144 Monterey Street

San Luis Obispo, CA 93408

Inquiry Number: 7308602.11

April 17, 2023

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/17/23

Site Name:

Site 1 SLO Judicial
1144 Monterey Street
San Luis Obispo, CA 93408
EDR Inquiry # 7308602.11

Client Name:

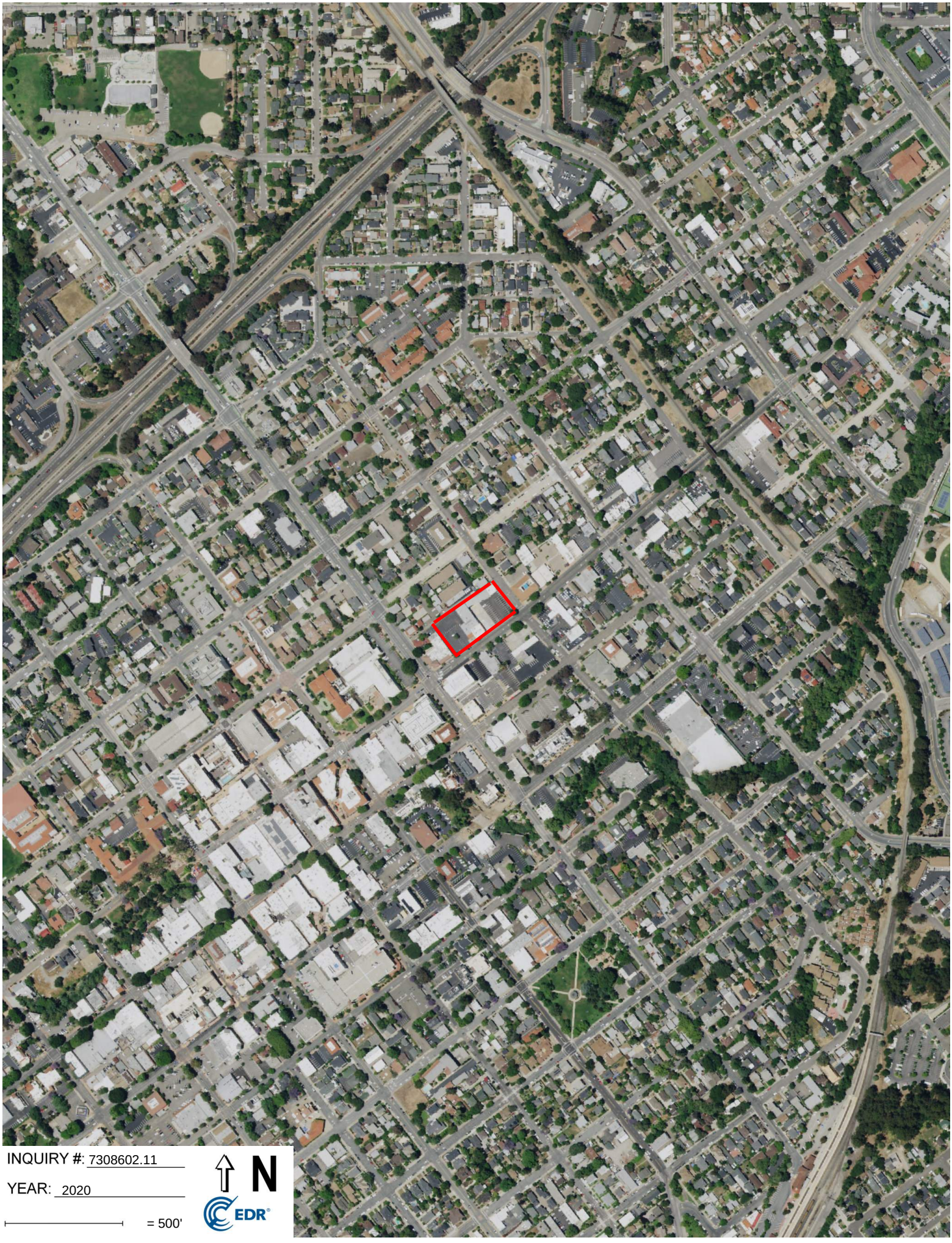
Ecotech Resources
2403 Byron Street
Berkeley, CA 94702
Contact: Jeff Root

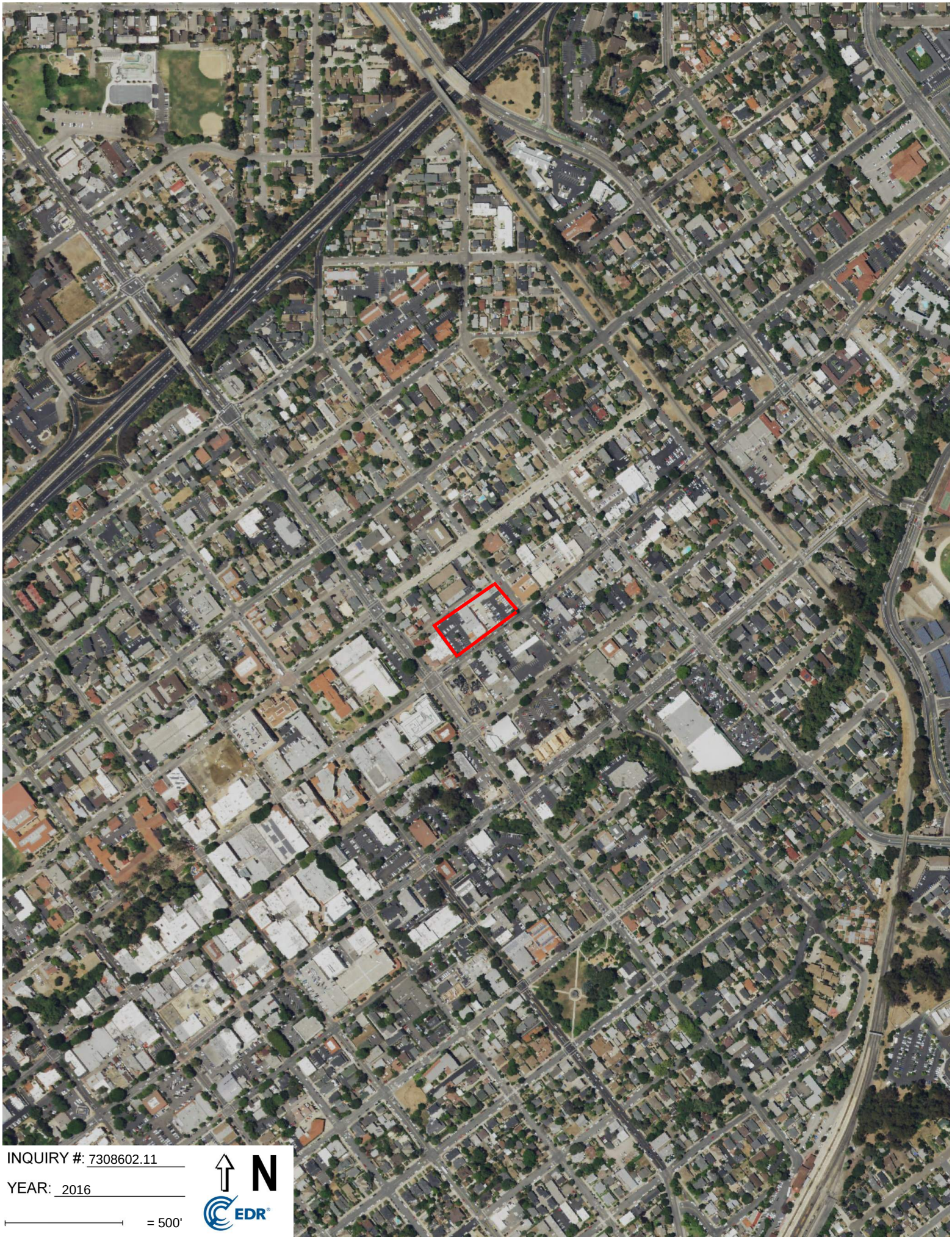
Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1981	1"=500'	Flight Date: August 01, 1981	USDA
1976	1"=500'	Flight Date: June 28, 1976	USGS
1963	1"=500'	Flight Date: July 02, 1963	USGS
1960	1"=500'	Flight Date: April 02, 1960	USGS
1956	1"=500'	Flight Date: September 10, 1956	USDA
1949	1"=500'	Flight Date: April 03, 1949	USDA
1939	1"=500'	Flight Date: January 01, 1939	USDA

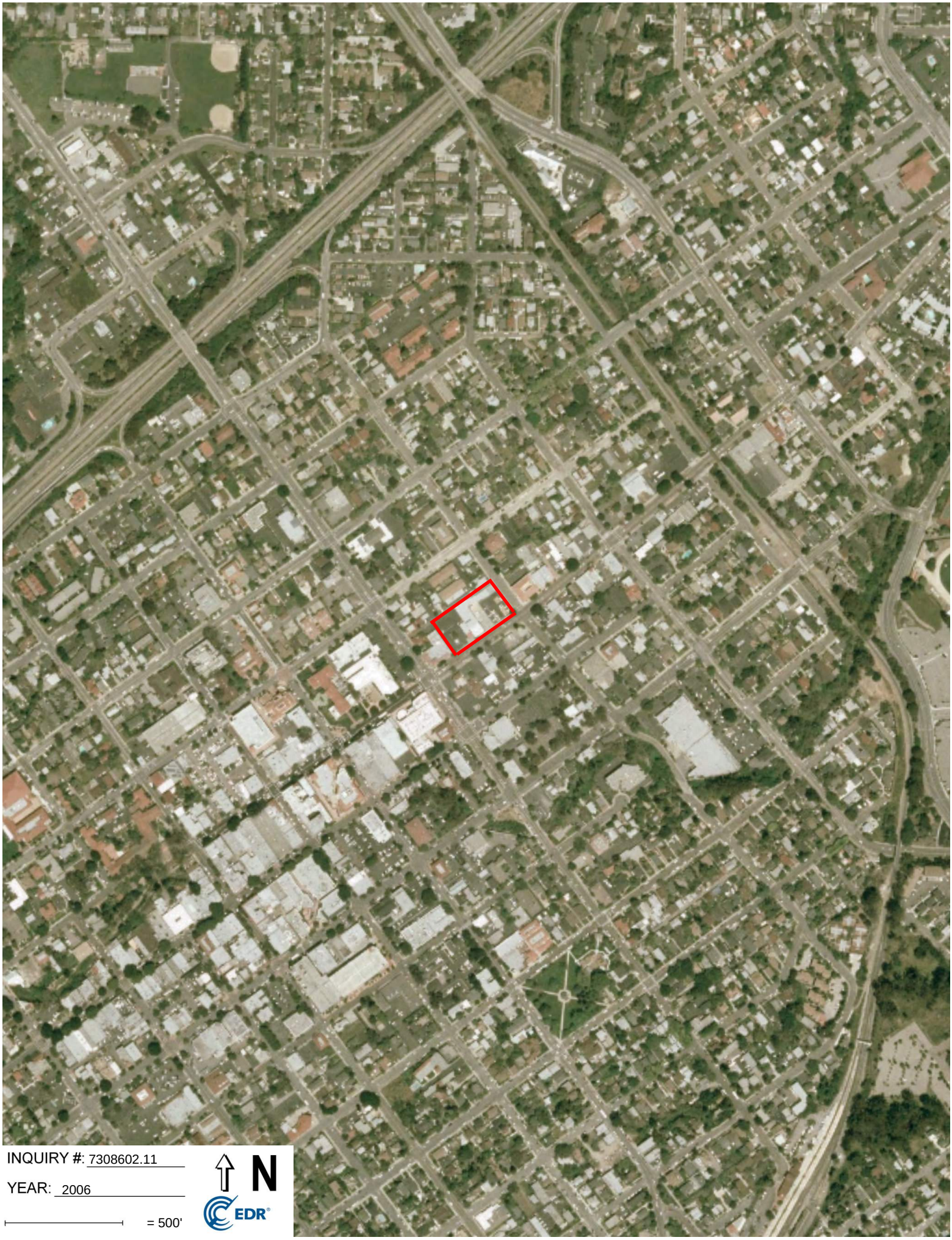
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.


INQUIRY #: 7308602.11
YEAR: 2020
= 500'
N
EDR


INQUIRY #: 7308602.11
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 7308602.11
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 7308602.11
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 7308602.11
YEAR: 2006
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N
EDR


INQUIRY #: 7308602.11
YEAR: 1981
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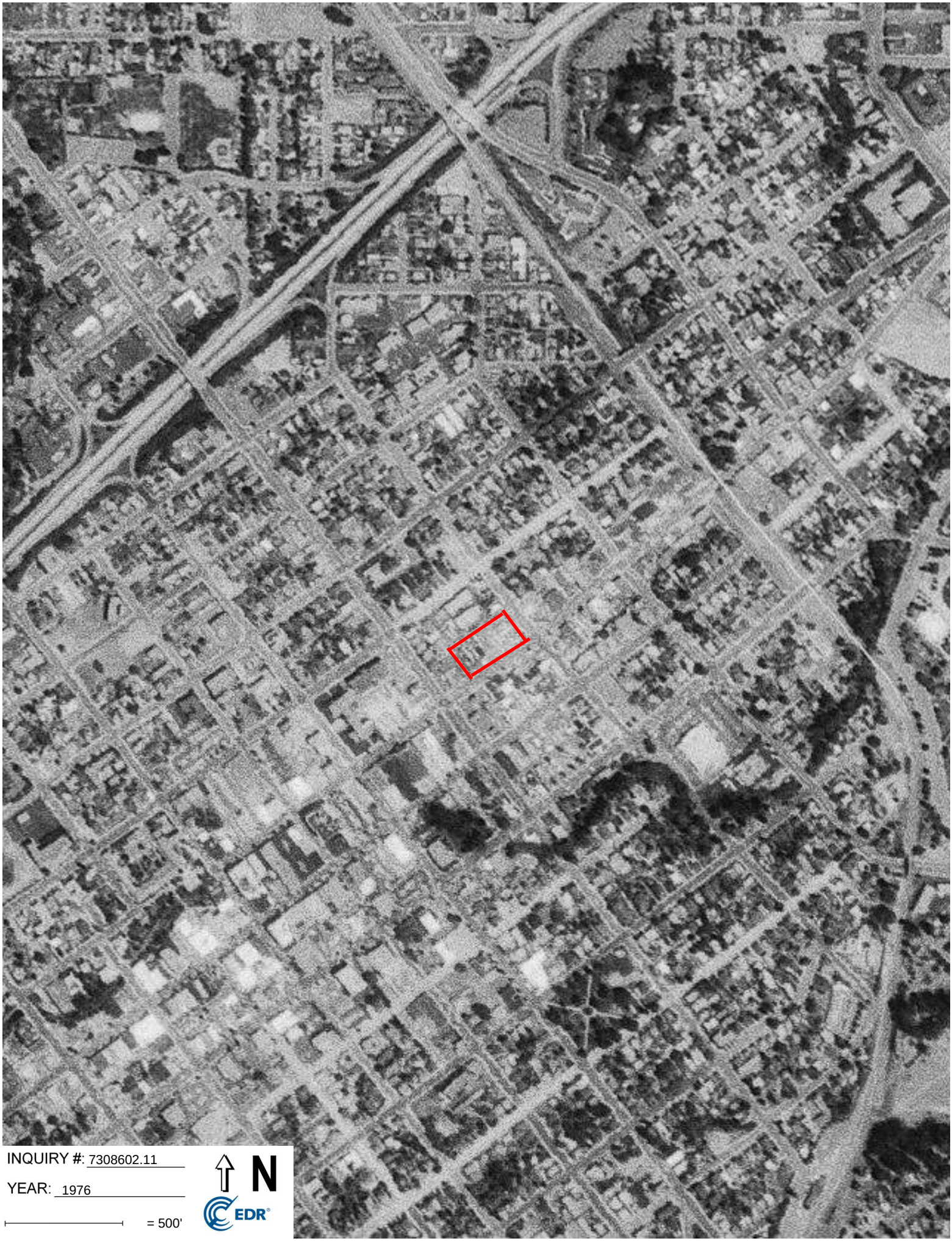
N
EDR



INQUIRY #: 7308602.11

YEAR: 1976

= 500'

N

EDR

INQUIRY #: 7308602.11

YEAR: 1963

= 500'

N

EDR


INQUIRY #: 7308602.11
YEAR: 1960
= 500'
N
EDR

INQUIRY #: 7308602.11

YEAR: 1956

= 500'

N

EDR

INQUIRY #: 7308602.11

YEAR: 1949

= 500'

N

EDR

INQUIRY #: 7308602.11

YEAR: 1939

= 500'

N

EDR

APPENDIX D

Sanborn Maps

1886 – 1962

Site 1 SLO Judicial
1144 Monterey Street
San Luis Obispo, CA 93408

Inquiry Number: 7308602.3
April 14, 2023

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/14/23

Site Name:

Site 1 SLO Judicial
1144 Monterey Street
San Luis Obispo, CA 93408
EDR Inquiry # 7308602.3

Client Name:

Ecotech Resources
2403 Byron Street
Berkeley, CA 94702
Contact: Jeff Root

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Ecotech Resources were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 1FF6-4523-8765

PO # SLO Judicial Site 1

Project Ecotech Resources

Maps Provided:

1962	1888
1957	1886
1950	
1926	
1909	
1905	
1903	
1891	

Sanborn® Library search results

Certification #: 1FF6-4523-8765

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

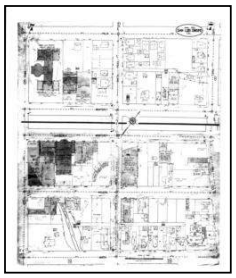
Limited Permission To Make Copies

Ecotech Resources (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

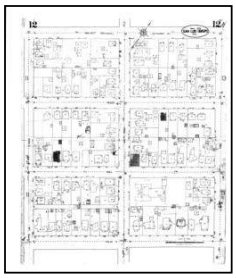
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1962 Source Sheets


Volume 1, Sheet 7
1962

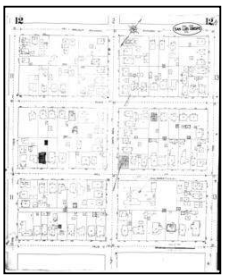

Volume 1, Sheet 8
1962

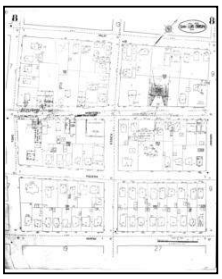

Volume 1, Sheet 12
1962


Volume 1, Sheet 13
1962

1957 Source Sheets


Volume 1, Sheet 13
1957


Volume 1, Sheet 12
1957


Volume 1, Sheet 8
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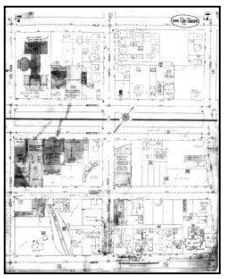
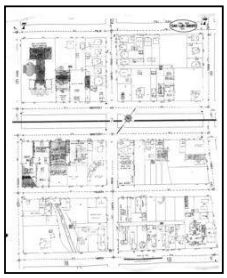
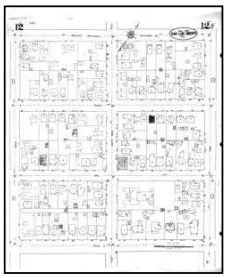

Volume 1, Sheet 7
1957

1950 Source Sheets

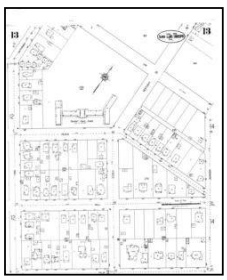

Volume 1, Sheet 7
1950


Volume 1, Sheet 8
1950


Volume 1, Sheet 12
1950


Volume 1, Sheet 13
1950

1926 Source Sheets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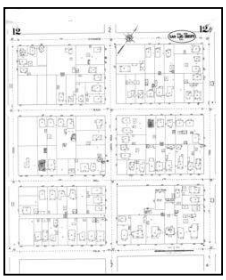
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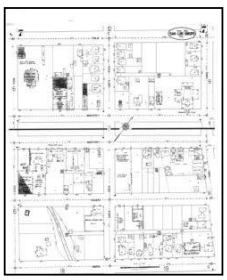
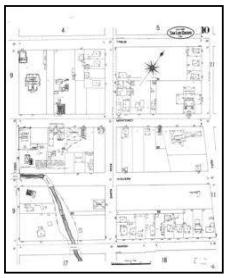

Volume 1, Sheet 7
1926

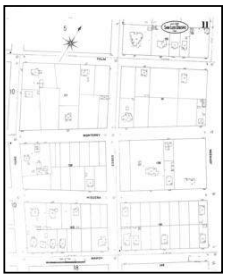

Volume 1, Sheet 8
1926

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

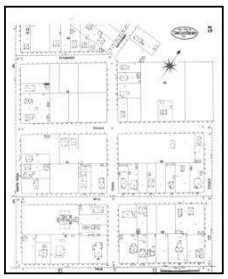
1909 Source Sheets

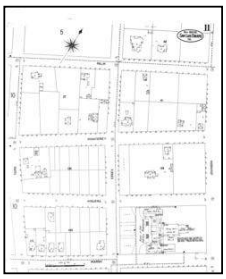

Volume 1, Sheet 10
1909


Volume 1, Sheet 11
1909


Volume 1, Sheet 5
1909

1905 Source Sheets


Volume 1, Sheet 5
1905


Volume 1, Sheet 11
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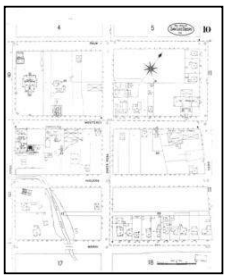
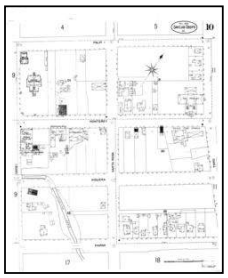
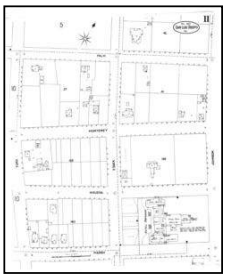
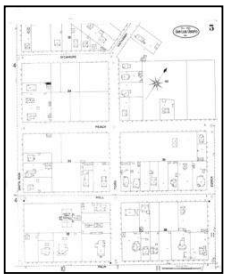

Volume 1, Sheet 10
1905

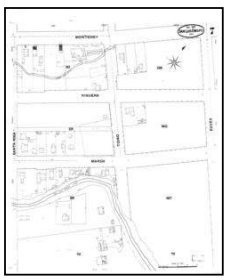
1903 Source Sheets

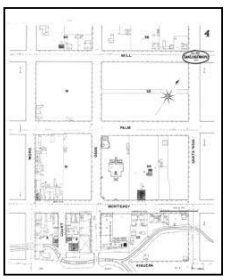

Volume 1, Sheet 10
1903

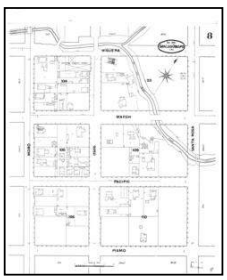

Volume 1, Sheet 11
1903

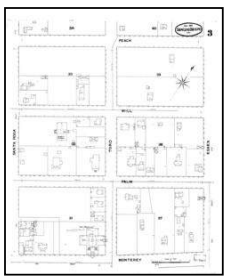

Volume 1, Sheet 5
1903

1891 Source Sheets


Volume 1, Sheet 7
1891


Volume 1, Sheet 4
1891

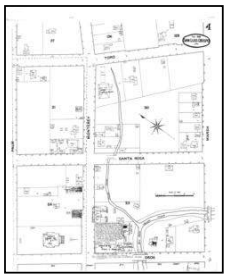

Volume 1, Sheet 8
1891


Volume 1, Sheet 3
1891

Sanborn Sheet Key

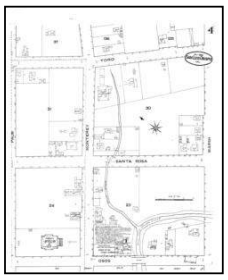
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1888 Source Sheets

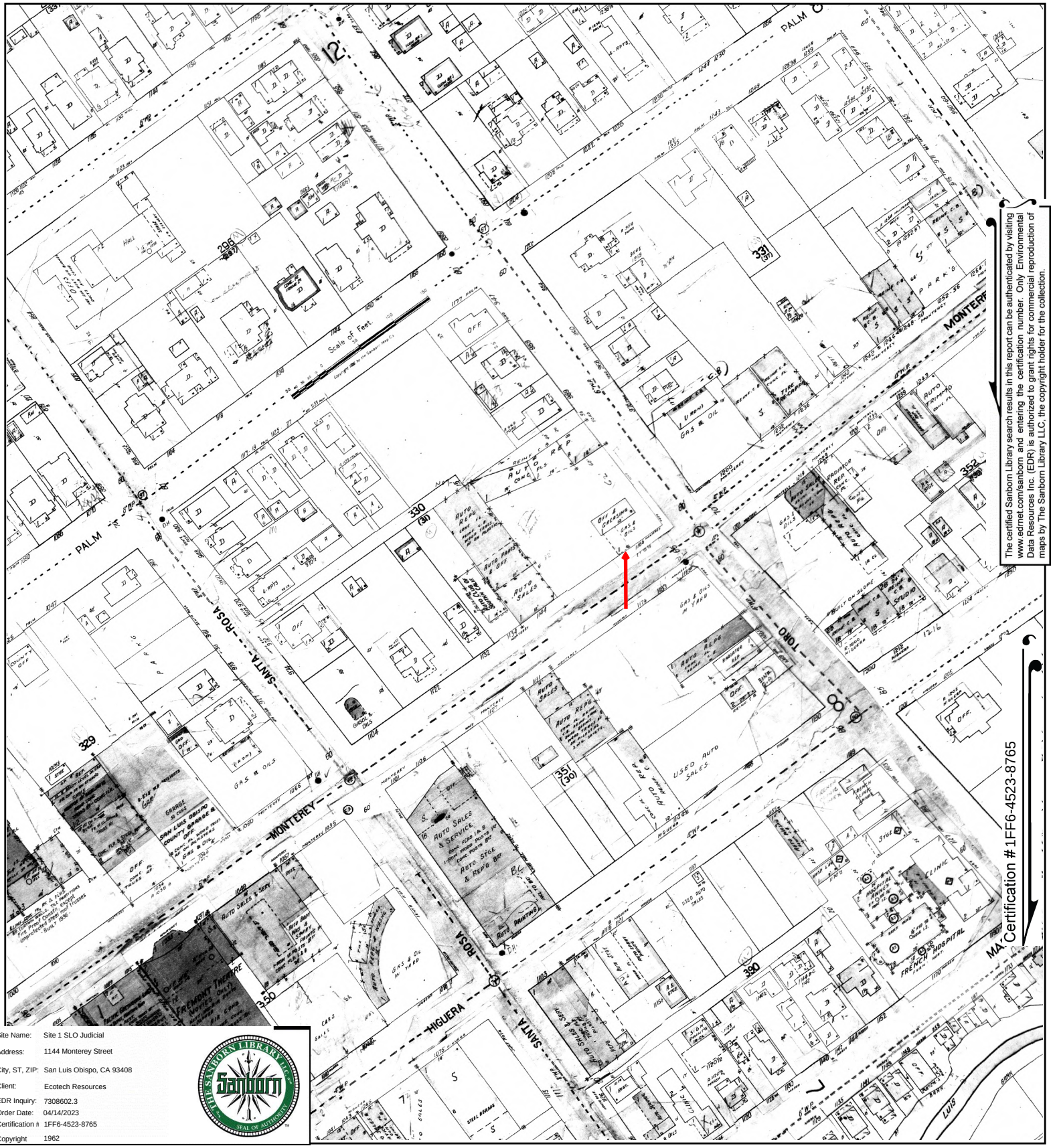


Volume 1, Sheet 4
1888

1886 Source Sheets

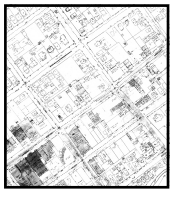


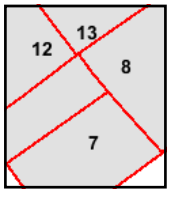
Volume 1, Sheet 4
1886



Site Name:	Site 1 SLO Judicial
Address:	1144 Monterey Street
City, ST, ZIP:	San Luis Obispo, CA 93408
Client:	Ecotech Resources
EDR Inquiry:	7308602.3
Order Date:	04/14/2023
Certification #	1FF6-4523-8765
Copyright	1962

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.





Volume 1, Sheet 13
Volume 1, Sheet 12
Volume 1, Sheet 8
Volume 1, Sheet 7

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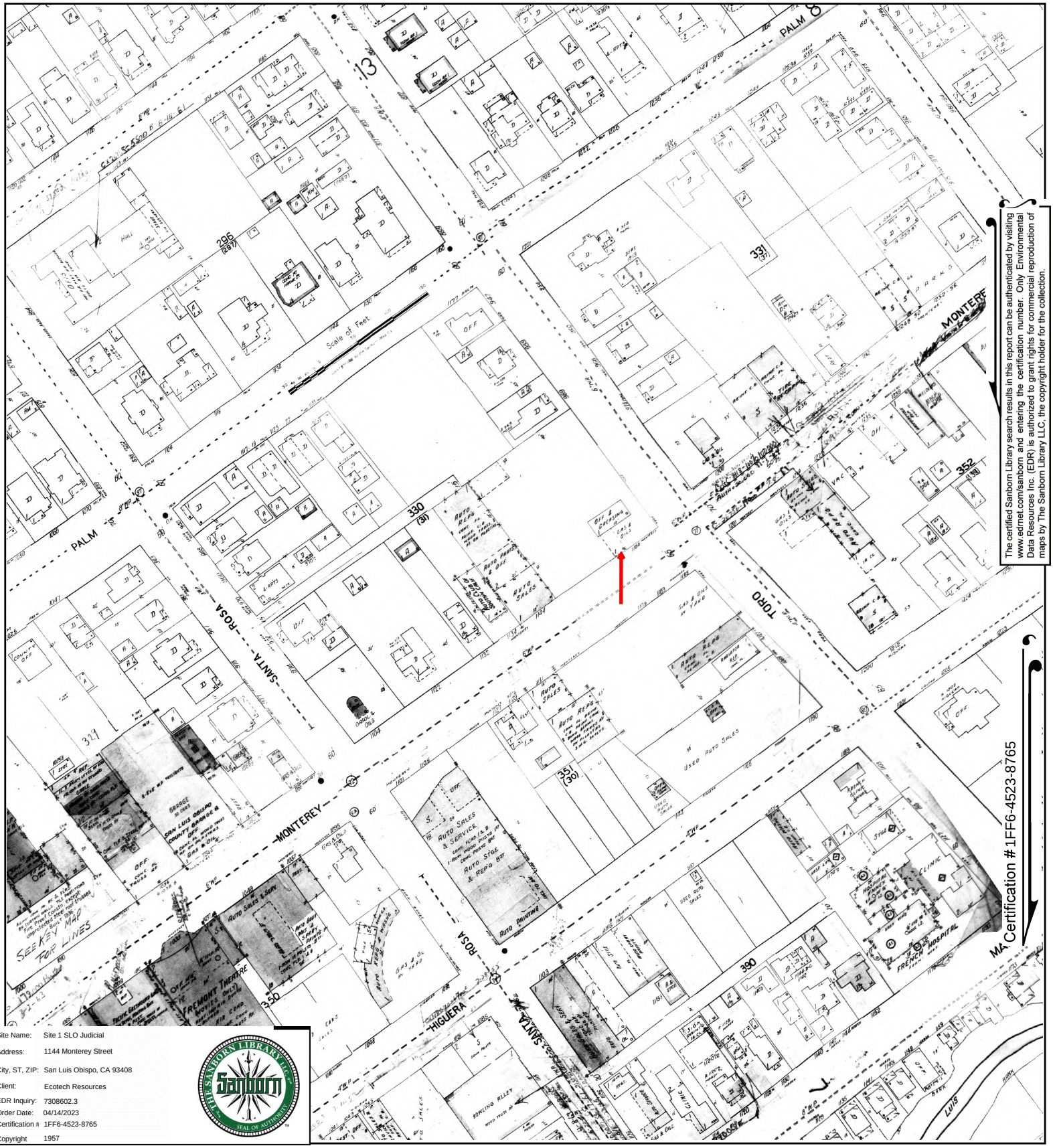

Site Name:	Site 1 SLO Judicial
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Client:	Ecotech Resources
EDR Inquiry:	7308602.3
Order Date:	04/14/2023
Certification #	1FF6-4523-8765
Copyright	1957

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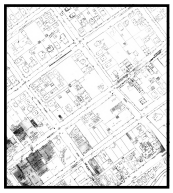

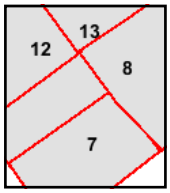

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Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 13

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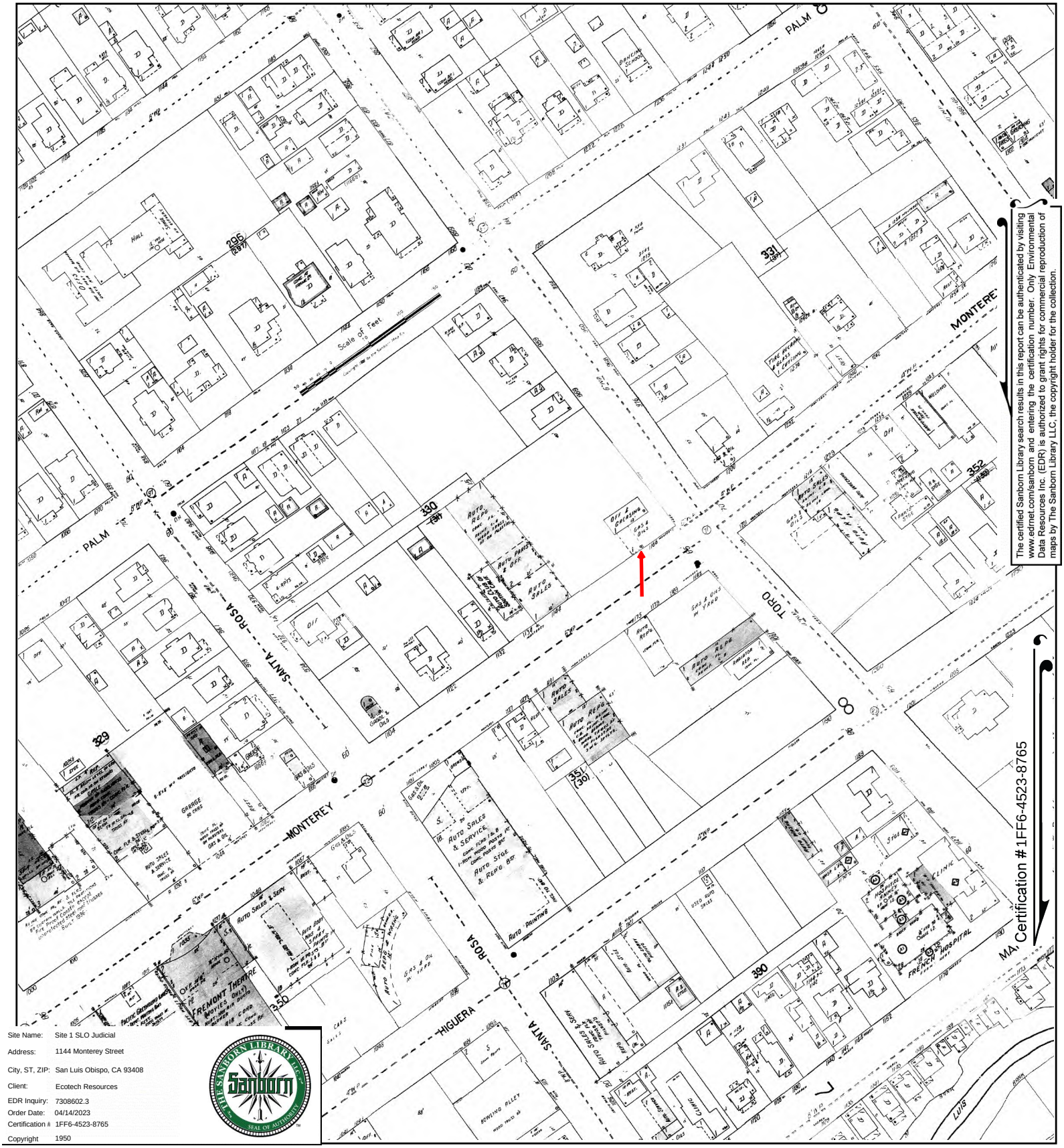

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Client:	Ecotech Resources
EDR Inquiry:	7308602.3
Order Date:	04/14/2023
Certification #	1FF6-4523-8765
Copyright	1950

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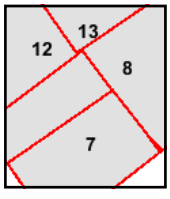

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Volume 1, Sheet 12
Volume 1, Sheet 8
Volume 1, Sheet 7

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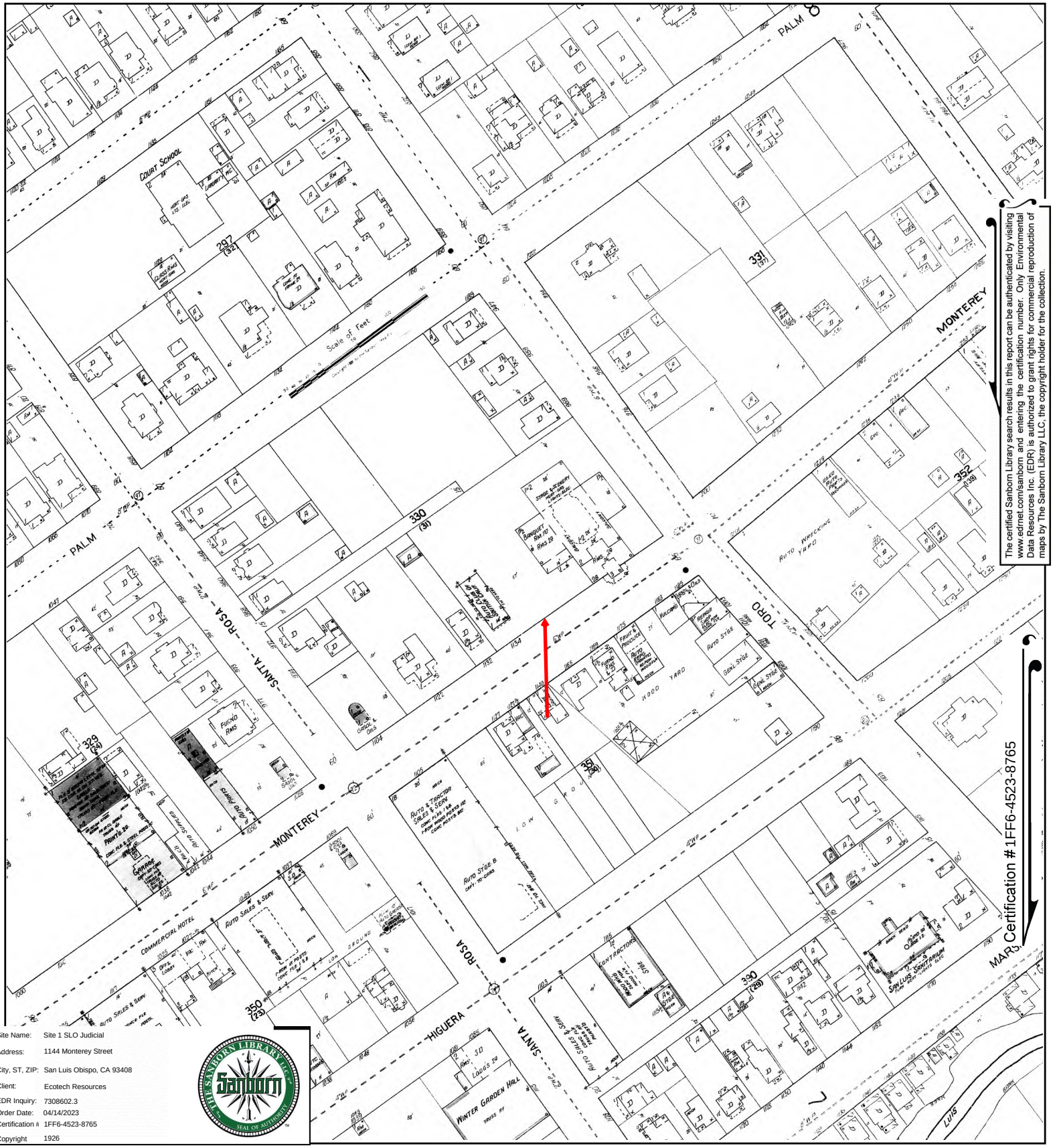

Certification #1FF6-4523-8765

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Client:	Ecotech Resources
EDR Inquiry:	7308602.3
Order Date:	04/14/2023
Certification #:	1FF6-4523-8765
Copyright	1926

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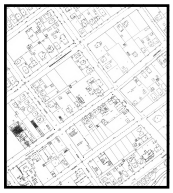

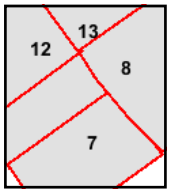

Volume 1, Sheet 8
Volume 1, Sheet 7
Volume 1, Sheet 12
Volume 1, Sheet 13

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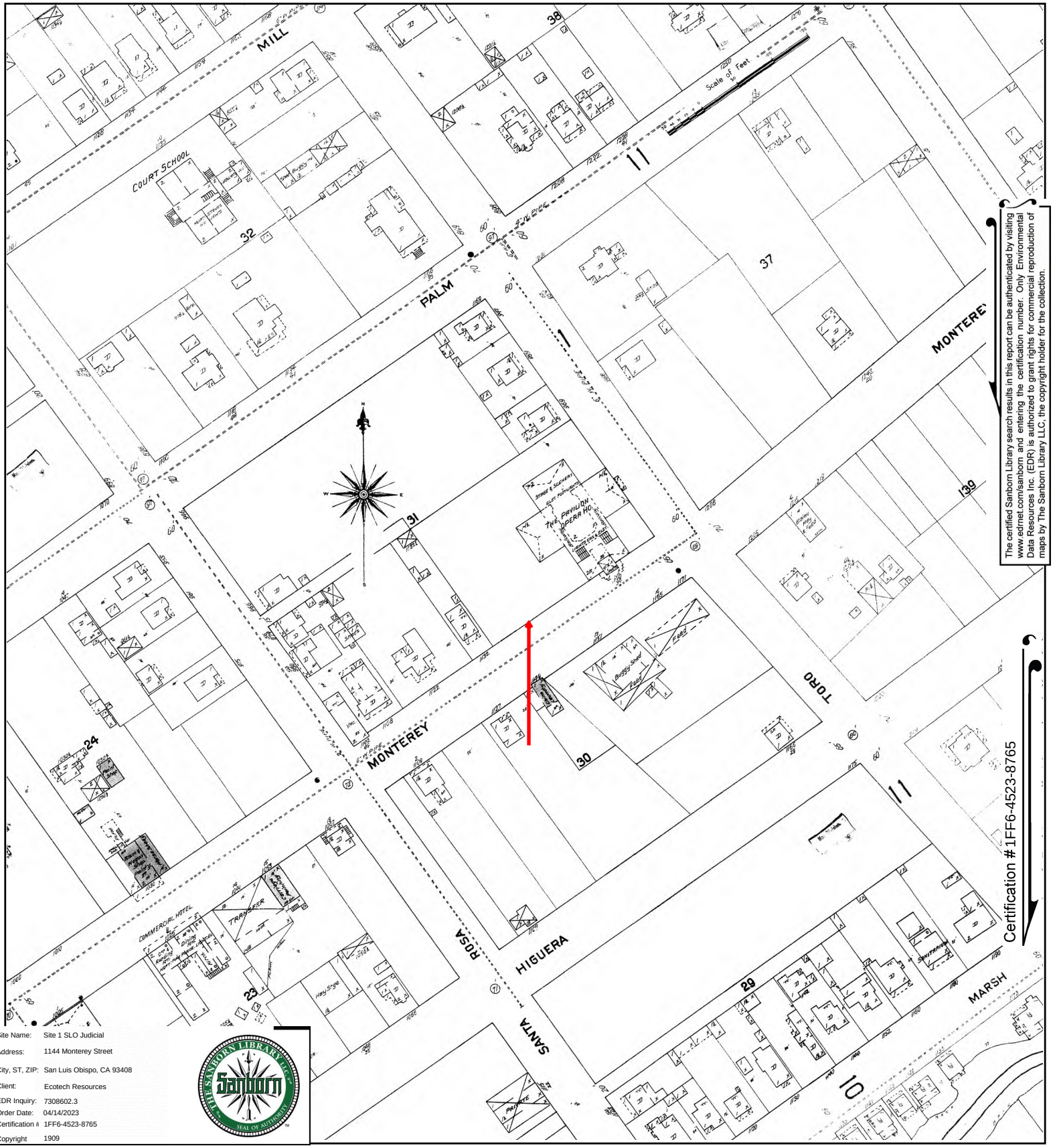

Certification #1FF6-4523-8765

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Client:	Ecotech Resources
EDR Inquiry:	7308602.3
Order Date:	04/14/2023
Certification #	1FF6-4523-8765
Copyright	1909

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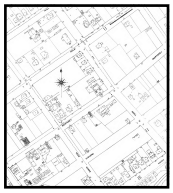

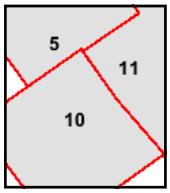

Volume 1, Sheet 5
Volume 1, Sheet 11
Volume 1, Sheet 10

0 Feet 150 300 600

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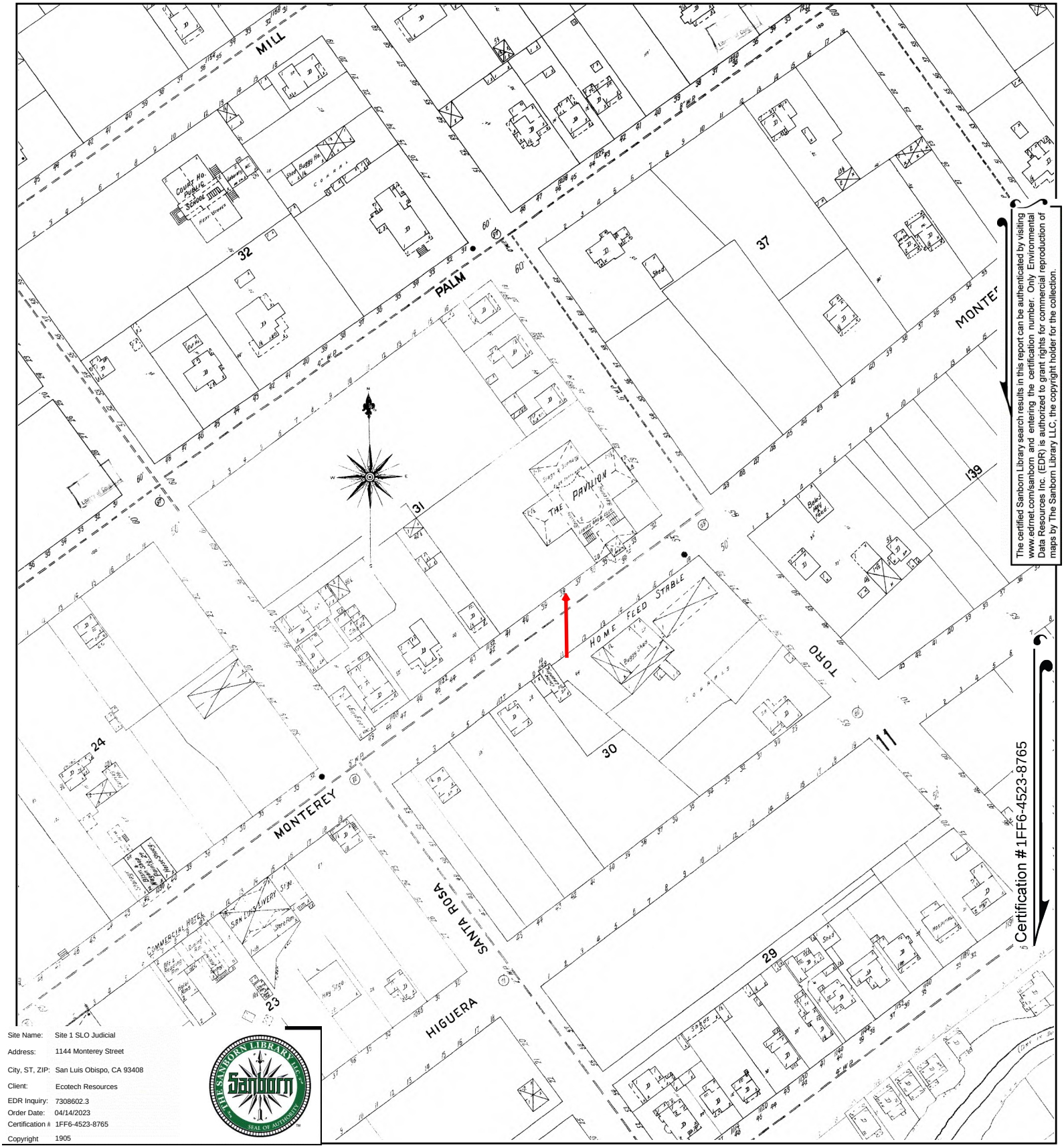

Certification #1FF6-4523-8765

Site Name:	Site 1 SLO Judicial
Address:	1144 Monterey Street
City, ST, ZIP:	San Luis Obispo, CA 93408
Client:	Ecotech Resources
EDR Inquiry:	7308602.3
Order Date:	04/14/2023
Certification #	1FF6-4523-8765
Copyright	1905

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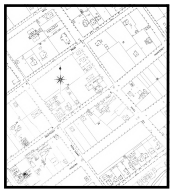

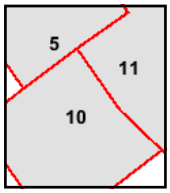

Volume 1, Sheet 10
Volume 1, Sheet 11
Volume 1, Sheet 5

0 Feet 150 300 600

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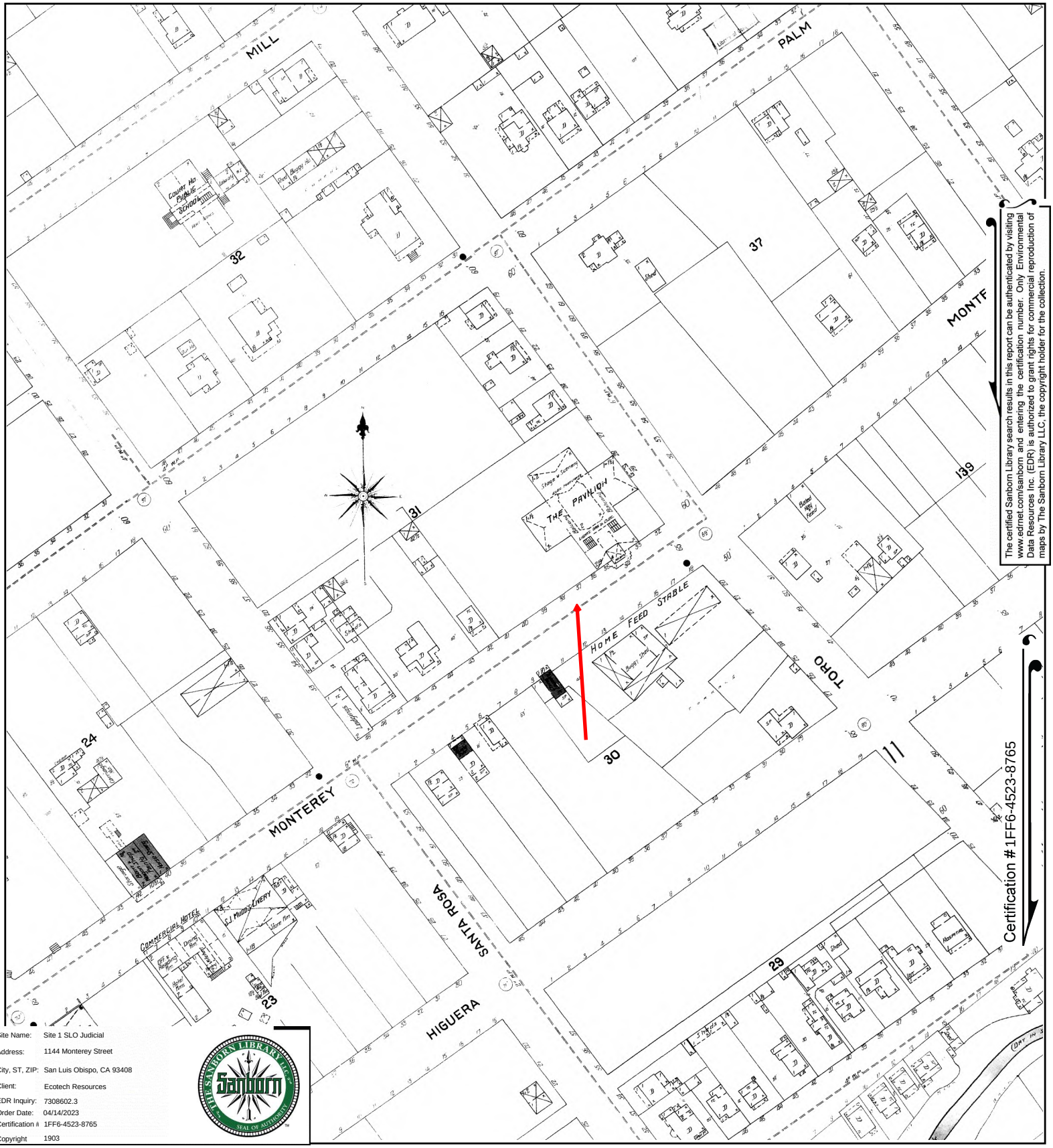

Certification #1FF6-4523-8765

Site Name:	Site 1 SLO Judicial
Address:	1144 Monterey Street
City, ST, ZIP:	San Luis Obispo, CA 93408
Client:	Ecotech Resources
EDR Inquiry:	7308602.3
Order Date:	04/14/2023
Certification #:	1FF6-4523-8765
Copyright	1903

This Certified Sanborn Map combines the following sheets.
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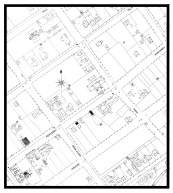

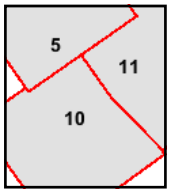

Volume 1, Sheet 5
Volume 1, Sheet 11
Volume 1, Sheet 10

0 Feet 150 300 600

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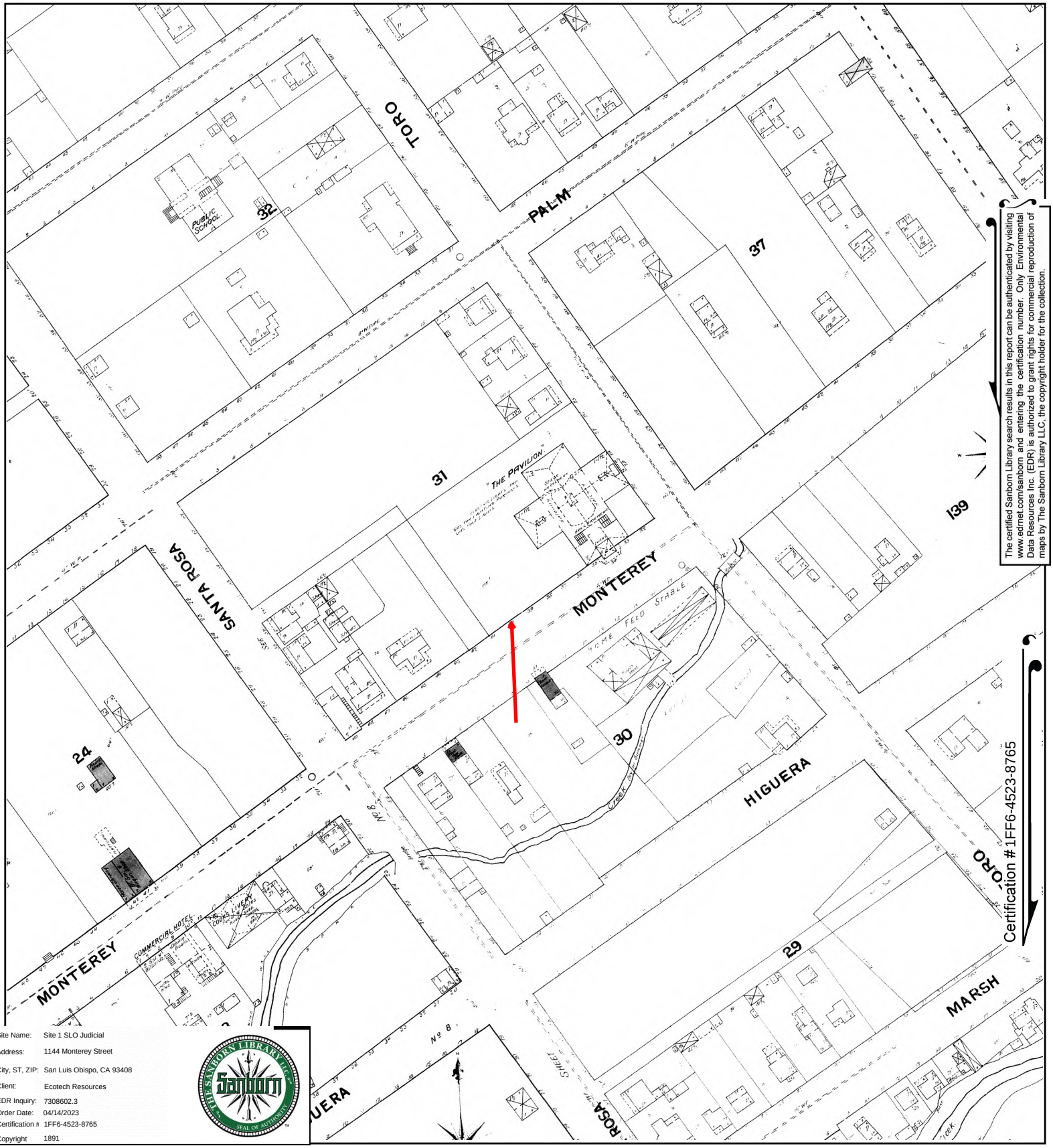
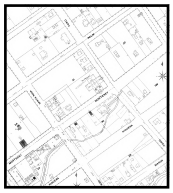
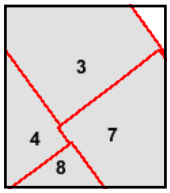


Site Name:	Site 1 SLO Judicial
Address:	1144 Monterey Street
City, ST, ZIP:	San Luis Obispo, CA 93408
Client:	Ecotech Resources
EDR Inquiry:	7308602.3
Order Date:	04/14/2023
Certification #	1FF6-4523-8765
Copyright	1891

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.





Volume 1, Sheet 3
Volume 1, Sheet 8
Volume 1, Sheet 4
Volume 1, Sheet 7

0 Feet 150 300 600

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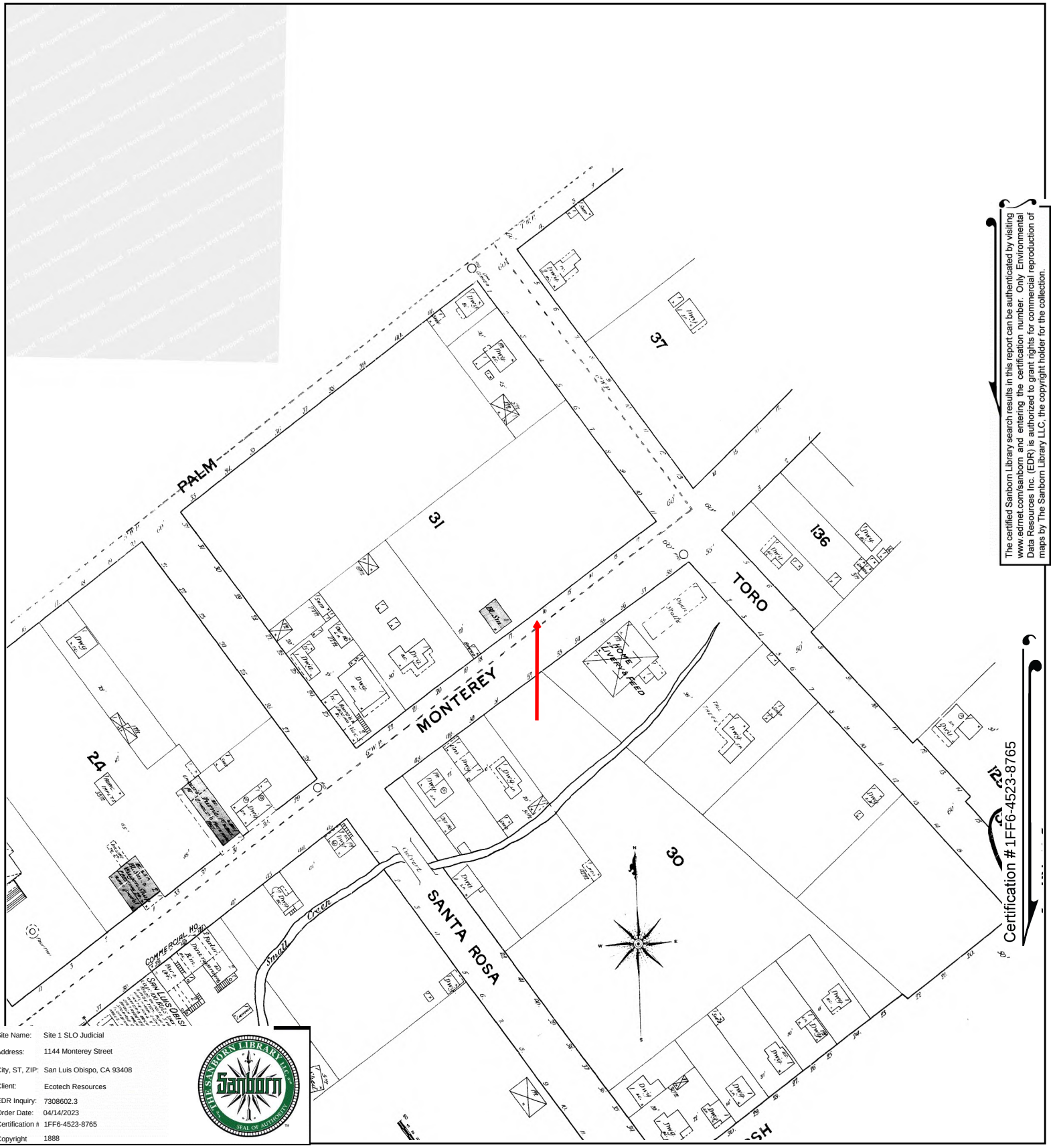


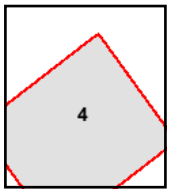
Certification #1FF6-4523-8765

Site Name:	Site 1 SLO Judicial
Address:	1144 Monterey Street
City, ST, ZIP:	San Luis Obispo, CA 93408
Client:	Ecotech Resources
EDR Inquiry:	7308602.3
Order Date:	04/14/2023
Certification #	1FF6-4523-8765
Copyright	1888

This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

Volume 1, Sheet 4



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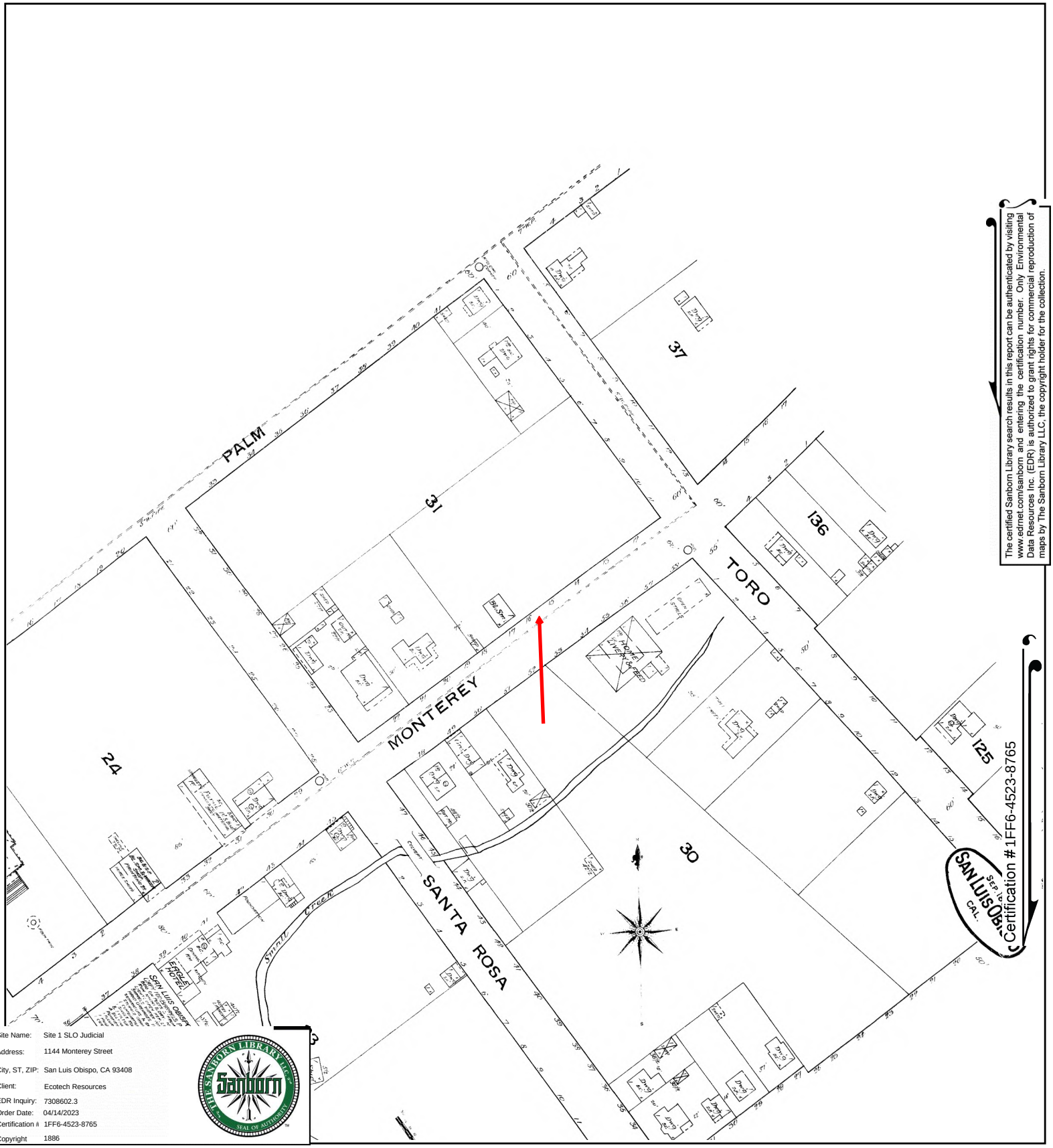

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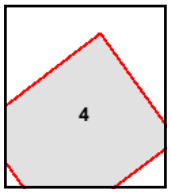
Volume 1, Sheet 4



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APPENDIX E

EDR Report – Executive Summary

Site 1 SLO Judicial
1144 Monterey Street
San Luis Obispo, CA 93408

Inquiry Number: 7308602.2s
April 14, 2023

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1144 MONTEREY STREET
SAN LUIS OBISPO, CA 93408

COORDINATES

Latitude (North):	35.2833350 - 35° 17' 0.00''
Longitude (West):	120.6592810 - 120° 39' 33.41''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	712880.4
UTM Y (Meters):	3906778.8
Elevation:	241 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12016401 SAN LUIS OBISPO, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140604
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1144 MONTEREY STREET
SAN LUIS OBISPO, CA 93401

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	MONTEREY MOTORS	1144 MONTEREY ST	RGA LUST		TP
A2	MONTEREY MOTORS	1144 MONTEREY ST	RGA LUST		TP
A3	KIMBALL MITSUBISHI	1144 MONTEREY ST	HAZNET, HWTS		TP
A4	MONTEREY MOTORS	1144 MONTEREY ST	FINDS		TP
A5	KIMBALL MOTORS	1144 MONTEREY ST	RGA LUST		TP
A6	KIMBALL MITSUBISHI	1144 MONTEREY ST	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS		TP
A7	KIMBALL MOTORS	1144 MONTEREY ST	RGA LUST		TP
A8	CNTY OF SAN LUIS OBI	1144 MONTEREY ST	HAZNET, HWTS		TP
A9	MONTERY MOTORS	1144 MONTERY ST	HWTS		TP
A10	KIMBALL MOTORS	1144 MONTEREY STREET	LUST, CPS-SLIC, Cortese, HIST CORTESE, CERS		TP
A11	1X LUCILLE KIMBALL T	1144 MONTEREY STREET	HAZNET, HWTS		TP
A12	MONTEREY MOTORS	1144 MONTEREY	RGA LUST		TP
A13	KIMBALL MOTORS	1144 MONTEREY ST	FINDS		TP
A14	SUM OF ALL BACK UP G	AGGREGATED SOURCE	CERS	Lower	1 ft.
A15	SAN LUIS BAY MOTORS	1146 MONTEREY ST	HAZNET, HWTS	Lower	1 ft.
A16	7-ELEVEN STORE #1881	1108 MONTEREY ST	LUST, HIST CORTESE	Lower	13, 0.002, SW
A17	SUPER-7 18816	1108 MONTEREY	LUST, HIST UST, Cortese, CERS	Lower	13, 0.002, SW
A18	SIGLER JACK H	1108 MONTEREY ST	EDR Hist Auto	Lower	13, 0.002, SW
A19	SUPER 7	1108 MONTEREY ST	SWEEPS UST, CA FID UST	Lower	13, 0.002, SW
A20	ATTALA PROPERTIES, L	969 TORO ST	RCRA NonGen / NLR	Higher	34, 0.006, NNE
A21	SAN LUIS DIAGNOSTIC	1100 MONTEREY ST	RCRA NonGen / NLR	Lower	52, 0.010, SW
A22	SAN LUIS DIAGNOSTIC	1100 MONTEREY ST	CUPA Listings	Lower	52, 0.010, SW
A23	ADAMSKI JOSEPH E	1200 MONTEREY ST	EDR Hist Auto	Lower	111, 0.021, ENE
A24	ROSSI PROPERTY	1200 MONTEREY ST	LUST, Cortese, HIST CORTESE, CERS	Lower	111, 0.021, ENE
A25	MONTORO LAND COMPANY	1200 MONTEREY ST	RCRA NonGen / NLR	Lower	111, 0.021, ENE
A26	BURTON, PHIL (FORMER	1185 MONTEREY ST	LUST, Cortese, CUPA Listings, CERS	Lower	124, 0.023, ESE
A27	COUNTY OF SAN LUIS O	1185 MONTEREY ST.	RCRA NonGen / NLR	Lower	124, 0.023, ESE
B28	SMITH VOLVO INC DBA	1219 MONTEREY ST	RCRA NonGen / NLR	Lower	142, 0.027, East
B29	GROVE MOTORS INC	1219 MONTEREY ST	RCRA-SQG, HAZNET, HWTS	Lower	142, 0.027, East
B30	RANCHO GRANDE MOTORS	1219 MONTEREY	LUST, HIST UST, CUPA Listings	Lower	142, 0.027, East
B31	SMITH VOLVO	1219 MONTEREY ST	LUST, CERS HAZ WASTE, Cortese, HAZNET, CERS, HWTS	Lower	142, 0.027, East
A32	ANNE BLYTHE	1155 PALM STREET	RCRA NonGen / NLR	Higher	177, 0.034, NNW
A33	ANNE BLYTHE	1155 PALM ST UNIT #	RCRA NonGen / NLR	Higher	177, 0.034, NNW
C34	SAN LUIS DOWNTOWN SH	1101 MONTEREY ST	UST	Lower	191, 0.036, South
C35	CANOGA PARK OIL CO I	1101 MONTEREY	EDR Hist Auto	Lower	191, 0.036, South
C36	JOHNSKI INC 1	1101 MONTEREY	LUST, HIST UST, Cortese, CERS	Lower	191, 0.036, South
C37	SHELL OIL CO	1101 MONTEREY	RCRA NonGen / NLR	Lower	191, 0.036, South
C38	JOHN'S SHELL	1101 MONTEREY	CA FID UST	Lower	191, 0.036, South
C39	JOHN SHELL	1101 MONTEREY	LUST, SWEEPS UST, Cortese, CUPA Listings, HIST...	Lower	191, 0.036, South

MAPPED SITES SUMMARY

Target Property Address:
1144 MONTEREY STREET
SAN LUIS OBISPO, CA 93401

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
D40	URBAN DEVELOPMENT CO	922 SANTA ROSA	EDR Hist Auto	Higher	194, 0.037, West
B41	WESTSIDE AUTO PARTS	1232 MONTEREY ST	RCRA-SQG, FINDS, ECHO	Lower	207, 0.039, ENE
D42	FORMER STANDARD OIL	1066 MONTEREY ST	LUST, Cortese, CERS	Lower	237, 0.045, SW
B43	1166 HIGUERA STREET,	1166 HIGUERA ST.	RCRA NonGen / NLR	Lower	253, 0.048, SE
C44	SPRING TOYOTA	1144 HIGUERA	RCRA-SQG, LUST, AST, SWEEPS UST, HIST UST, CA FID...	Lower	254, 0.048, SSE
E45	SIDE WALK (SLO CO. G	1055 MONTEREY	LUST, Cortese, CERS	Lower	373, 0.071, SW
E46	SLO COUNTY GOVERNMEN	1051 MONTEREY ST	LUST, Cortese, CERS	Lower	385, 0.073, SW
C47	SANTA ROSA GULF	1088 HIGUERA	EDR Hist Auto	Lower	387, 0.073, SSW
E48	SAN LUIS OBISPO FUEL	1039 MONTEREY ST	HIST UST	Lower	424, 0.080, SW
E49	COUNTY OF SAN LUIS O	1039 MONTEREY ST	HIST UST, HAZNET, HWTS	Lower	424, 0.080, SW
E50	COUNTY OF SAN LUIS O	1039 MONTEREY ST	CUPA Listings, HAZNET, HWTS	Lower	424, 0.080, SW
E51	COUNTY GOVERN CTR TA	1039 MONTEREY ST	UST	Lower	424, 0.080, SW
E52	SAN LUIS OBISPO FUEL	1039 MONTEREY ST	SWEEPS UST, CA FID UST	Lower	424, 0.080, SW
53	DR. BRADLEY M. MILDE	1223 HIGUERA ST STE	CUPA Listings	Lower	448, 0.085, ESE
C54	STALWORK, INC.	1085 HIGUERA ST	RCRA NonGen / NLR	Lower	454, 0.086, South
C55	STALWORK, INC.	1085 HIGUERA	RCRA NonGen / NLR	Lower	454, 0.086, South
C56	1085 HIGUERA STREET	1085 HIGUERA STREET	CPS-SLIC, HAZNET, HWTS	Lower	454, 0.086, South
E57	COUNTY GOVERNMENT CE	1050 MONTEREY ST	LUST, Cortese, EMI, HIST CORTESE, CERS	Lower	455, 0.086, SW
F58	1115 SANTA ROSA, LLC	1115 SANTA ROSA STRE	RCRA NonGen / NLR	Lower	482, 0.091, South
F59	KLEENRITE CLEANERS	1115 SANTA ROSA AVE	EDR Hist Cleaner	Lower	482, 0.091, South
F60	FORMER KLEEN-RITE CL	1115 SANTA ROSA STRE	RESPONSE, ENVIROSTOR, Cortese, HAZNET, HWTS	Lower	482, 0.091, South
G61	G & L INVESTMENT CO	1266 MONTEREY ST	EDR Hist Cleaner	Higher	487, 0.092, NE
H62	COUNTY OF SAN LUIS O	1035 PALM STREET	RCRA NonGen / NLR	Higher	531, 0.101, WSW
E63	AMAZON.COM	1007 MONTEREY ST	RCRA NonGen / NLR	Lower	553, 0.105, SW
F64	MC CRACKEN CARL D	1136 SANTA ROSA	EDR Hist Auto	Lower	603, 0.114, SSE
G65	7-ELEVEN #21006	1301 MONTEREY ST	CUPA Listings, CERS	Lower	639, 0.121, ENE
G66	DONS ARCO	1301 MONTEREY ST	EDR Hist Auto	Lower	639, 0.121, ENE
G67	UNION OIL SS 0821	1308 MONTEREY ST	HIST UST	Higher	650, 0.123, NE
G68	MONTEREY UNOCAL	1308 MONTEREY ST	CUPA Listings, HAZNET, HWTS	Higher	650, 0.123, NE
G69	TOSCO 76 SERVICE STA	1308 MONTEREY ST	LUST, Cortese, HIST CORTESE, CERS	Higher	650, 0.123, NE
G70	UNION OIL SERVICE ST	1308 MONTEREY STREET	LUST, HIST UST, Cortese, CERS	Higher	650, 0.123, NE
G71	UNION OIL SERVICE ST	1308 MONTEREY ST	HIST UST, CA FID UST	Higher	650, 0.123, NE
G72	MILLER'S UNOCAL	1308 MONTEREY ST	UST	Higher	650, 0.123, NE
G73	HESSLERS UNION OIL	1308 MONTEREY ST	EDR Hist Auto	Higher	650, 0.123, NE
H74	COUNTY OF SAN LUIS O	976 OSOS ST	RCRA NonGen / NLR	Lower	662, 0.125, WSW
H75	COUNTY OF SAN LUIS O	976 OSOS ST.	RCRA NonGen / NLR	Lower	662, 0.125, WSW
H76	INTEGRATED WASTE MGM	870 OSOS ST	CUPA Listings	Higher	716, 0.136, West
I77	FORMER FIRESTONE STO	1001 HIGUERA ST	LUST, Cortese, CUPA Listings, HIST CORTESE, CERS	Lower	716, 0.136, SSW
G78	SOUTHERN AUTO SUPPLI	1329 MONTEREY ST	CUPA Listings	Lower	718, 0.136, ENE

MAPPED SITES SUMMARY

Target Property Address:
1144 MONTEREY STREET
SAN LUIS OBISPO, CA 93401

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79	KRUCKEL, SARAH	1133 JOHNSON AVE	CUPA Listings	Lower	737, 0.140, East
80	FREDMAN & SMITH	755 SANTA ROSA ST	CUPA Listings	Higher	776, 0.147, WNW
I81	ABERCROMBIE & FITCH	980 HIGUERA ST	CUPA Listings, HAZNET, HWTS	Lower	783, 0.148, SSW
I82	ABERCROMBIE & FITCH	980 HIGUERA ST	RCRA NonGen / NLR	Lower	783, 0.148, SSW
J83	CHEDA PROOERTY	1095 MARSH	LUST, CHMIRS, HIST CORTESE	Lower	795, 0.151, South
J84	SLO-CO MOBIL	1095 MARSH ST	HIST UST	Lower	795, 0.151, South
J85	CHEDA PROPERTY	1095 MARSH ST	LUST, Cortese, HAZNET, CERS, HWTS	Lower	795, 0.151, South
K86	IFIXIT	1330 MONTEREY STREET	RCRA NonGen / NLR	Higher	796, 0.151, NE
K87	STANLEY MOTORS	1330 MONTEREY ST	LUST, CPS-SLIC, UST, HIST UST, Cortese, HIST...	Higher	796, 0.151, NE
K88	IFIXIT	1330 MONTEREY STREET	RCRA NonGen / NLR	Higher	796, 0.151, NE
I89	LUSH 485	1070 COURT ST	RCRA NonGen / NLR	Lower	847, 0.160, SW
I90	LUSH 485	1070 COURT ST	CERS HAZ WASTE, CUPA Listings, HAZNET, HWTS	Lower	847, 0.160, SW
91	AMAZON	1194 PACIFIC SREET	RCRA-SQG	Lower	850, 0.161, SE
I92	SEPHORA STORE # 438	1090 COURT ST	RCRA NonGen / NLR	Lower	852, 0.161, SW
I93	SEPHORA STORE # 438	1090 COURT ST	CERS HAZ WASTE, CUPA Listings, HAZNET, HWTS	Lower	852, 0.161, SW
J94	SUNSET NORTH CAR WAS	1023 MARSH ST.	RCRA NonGen / NLR	Lower	863, 0.163, South
J95	SUNSET CAR WASH NORT	1023 MARSH ST	CPS-SLIC, CERS	Lower	863, 0.163, South
I96	BLUEMERCURY OBISPO	949 HIGUERA ST	CERS HAZ WASTE, CUPA Listings, HAZNET, HWTS	Lower	899, 0.170, SSW
I97	BLUEMERCURY OBISPO	949 HIGUERA ST	RCRA NonGen / NLR	Lower	899, 0.170, SSW
L98	ARCO STATION	1001 MARSH	LUST, Cortese, HIST CORTESE, CERS	Lower	912, 0.173, South
L99	MCKIBBEN ARCO SERVIC	1001 MARSH ST	HIST UST	Lower	912, 0.173, South
L100	ARCO # 01934	1001 MARSH ST	LUST	Lower	912, 0.173, South
L101	KAR-DEN INC	1001 MARSH ST	HIST UST	Lower	912, 0.173, South
L102	ARCO STATION #1934	1001 MARSH ST	SWEEPS UST, CA FID UST	Lower	912, 0.173, South
M103	955 PARTNERSHIP INC	955 MONTEREY ST	CUPA Listings, HAZNET, HWTS	Lower	924, 0.175, SW
J104	HOLLISTER & SOLOMON	1042 PACIFIC ST SUIT	CUPA Listings, HAZNET, HWTS	Lower	969, 0.184, South
J105	HOLLISTER & SOLOMON	1042 PACIFIC ST SUIT	RCRA NonGen / NLR	Lower	969, 0.184, South
K106	VACANT	1371 MONTEREY ST	LUST, Cortese, CUPA Listings, HIST CORTESE, CERS	Higher	969, 0.184, ENE
N107	RITE AID #5820	1251 JOHNSON AVE	RCRA-LQG	Lower	989, 0.187, ESE
N108	RITE AID #5820	1251 JOHNSON AVE	CERS HAZ WASTE, HAZNET, HWTS	Lower	989, 0.187, ESE
N109	RITE AID #5820	1251 JOHNSON AVE	RCRA-SQG, FINDS, ECHO	Lower	989, 0.187, ESE
N110	PAYLESS DRUG #4480	1251 JOHNSON	CUPA Listings, HAZNET, HWTS	Lower	989, 0.187, ESE
M111	BANANA REPUBLIC 6745	900 HIGUERA ST	RCRA NonGen / NLR	Lower	994, 0.188, SW
O112	VERIZON WIRELESS SAN	994 MILL ST	CUPA Listings, CERS	Higher	1005, 0.190, West
O113	OSOS LAND CO. LLC	994 MILL ST.	RCRA NonGen / NLR	Higher	1005, 0.190, West
O114	PACIFIC BELL	994 MILL STREET	RCRA-SQG, FINDS, ECHO	Higher	1005, 0.190, West
P115	AT&T COMMUNICATIONS	872 MORRO ST -PO BOX	UST	Lower	1023, 0.194, WSW
P116	PACIFIC BELL	872 MORRO STREET	RCRA-LQG, SWEEPS UST, HIST UST, CA FID UST, FINDS,...	Lower	1023, 0.194, WSW
P117	PACIFIC BELL TELEPHO	872 MORRO ST	CERS HAZ WASTE, CERS TANKS, CUPA Listings, EMI,...	Lower	1023, 0.194, WSW

MAPPED SITES SUMMARY

Target Property Address:
1144 MONTEREY STREET
SAN LUIS OBISPO, CA 93401

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
P118	AT&T CORP. - SE094	872 MORRO ST	UST	Lower	1023, 0.194, WSW
119	RALPH STRAUSS	772 JOHNSON AVENUE	RCRA NonGen / NLR	Higher	1023, 0.194, North
Q120	MCNEIL-AMORTEGUY, DE	1250 PEACH ST SUIT F	CUPA Listings	Higher	1047, 0.198, NNW
Q121	ROGER B STEELE TRUST	1250 PEACH ST #H	RCRA NonGen / NLR	Higher	1047, 0.198, NNW
Q122	E CARRIE RAMIREZ DDS	1250 PEACH ST STE G	RCRA NonGen / NLR	Higher	1047, 0.198, NNW
Q123	MANNING, CHRIS	1250 PEACH ST STE #F	CUPA Listings	Higher	1047, 0.198, NNW
Q124	DASSENKO, PAMELA	1250 PEACH ST STE #G	CUPA Listings	Higher	1047, 0.198, NNW
Q125	LAWLER, JAMES	1250 PEACH ST STE #B	CUPA Listings	Higher	1047, 0.198, NNW
Q126	NELSON/ LATTA/ WELLS	1250 PEACH ST STE #L	CUPA Listings	Higher	1047, 0.198, NNW
Q127	MEDICAL CLINIC AT PE	1250 PEACH ST STE A	RCRA NonGen / NLR	Higher	1047, 0.198, NNW
Q128	COLLERAN DDS, MICHAE	1250 PEACH ST STE #E	CUPA Listings	Higher	1047, 0.198, NNW
R129	LLOYD MARCUM DDS INC	1129 PACIFIC ST	RCRA NonGen / NLR	Lower	1054, 0.200, SSE
R130	MARCUM, LLOYD	1129 PACIFIC ST	CUPA Listings	Lower	1054, 0.200, SSE
M131	VICTORIAS SECRET STO	898 HIGURA ST	RCRA NonGen / NLR	Lower	1058, 0.200, SW
M132	VICTORIA SECRET STOR	898 HIGUERA ST	CERS HAZ WASTE, CUPA Listings	Lower	1058, 0.200, SW
R133	FRED GLICK	1315 SANTA ROSA STRE	RCRA NonGen / NLR	Lower	1108, 0.210, SSE
L134	SMITH DDS, DEAN WALK	1231 OSOS ST	CUPA Listings	Lower	1145, 0.217, South
L135	BRAD KRANSHOFF	1235 OSOS ST	CUPA Listings, HAZNET, HWTS	Lower	1156, 0.219, South
L136	MISSION MEDICAL ASSO	1235 OSOS ST	RCRA-SQG, FINDS, ECHO	Lower	1156, 0.219, South
M137	MAC 12000603	874 MONTEREY ST	CUPA Listings, HAZNET, HWTS	Lower	1175, 0.223, SW
M138	MAC 12000603	874 MONTEREY ST	RCRA NonGen / NLR	Lower	1175, 0.223, SW
S139	APPLE INC R199	899 HIGUERA ST	CERS HAZ WASTE, CUPA Listings, HAZNET, HWTS	Lower	1188, 0.225, SW
S140	APPLE INC R199	899 HIGUERA ST	RCRA NonGen / NLR	Lower	1188, 0.225, SW
T141	DEWAR PROPERTY (SANT	656 SANTA ROSA ST	LUST, HIST CORTESE	Higher	1189, 0.225, NW
T142	THOMAS COURTNEY	656 SANTA ROSA STREE	RCRA NonGen / NLR	Higher	1189, 0.225, NW
T143	CLARKS EXXON	656 SANTA ROSA	SWEEPS UST, CA FID UST	Higher	1189, 0.225, NW
T144	CLARKS EXXON	656 SANTA ROSA	HIST UST	Higher	1189, 0.225, NW
T145	DEWAR PROPERTY (SANT	656 SANTA ROSA ST	Cortese	Higher	1189, 0.225, NW
N146	SMART & FINAL #913	1321 JOHNSON AVE	RCRA NonGen / NLR	Lower	1201, 0.227, ESE
N147	SMART & FINAL # 913	1321 JOHNSON AVE	CERS HAZ WASTE, CUPA Listings	Lower	1201, 0.227, ESE
S148	ROSS DRESS FOR LESS	868 HIGUERA ST	CHMIRS, CUPA Listings	Lower	1226, 0.232, SW
S149	ROSS DRESS FOR LESS	868 HIGUERA ST	RCRA NonGen / NLR	Lower	1226, 0.232, SW
S150	EXPRESS 978	887 HIGUERA ST	RCRA NonGen / NLR	Lower	1227, 0.232, SW
S151	EXPRESS 978	887 HIGUERA ST	CUPA Listings, HAZNET, HWTS	Lower	1227, 0.232, SW
152	ADAM J JANETTE DDS	1010 PEACH ST	RCRA NonGen / NLR	Lower	1244, 0.236, WNW
R153	BAILEY, F BRUCE	1338 SANTA ROSA ST	CUPA Listings	Lower	1251, 0.237, SSE
R154	HILTBRAND, RODNEY	1340 SANTA ROSA ST	CUPA Listings	Lower	1253, 0.237, SSE
T155		MP: 249.95	AQUEOUS FOAM NRC	Higher	1253, 0.237, NW
S156	ATHLETA 3404	879 HIGUERA ST	CERS HAZ WASTE, CUPA Listings	Lower	1256, 0.238, SW

MAPPED SITES SUMMARY

Target Property Address:
1144 MONTEREY STREET
SAN LUIS OBISPO, CA 93401

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
S157	ATHLETA 3404	879 HIGUEREA ST	RCRA NonGen / NLR	Lower	1256, 0.238, SW
S158	DOWNTOWN CENTRE CINE	888 MARSH ST STE	CUPA Listings, CERS	Lower	1287, 0.244, SSW
159	DOUG HENDRY	1320 OSOS ST.	RCRA NonGen / NLR	Lower	1289, 0.244, South
U160	ARMSTRONG, WES	1318 JOHNSON AVE	CUPA Listings	Higher	1294, 0.245, ESE
U161	JEFFREY M BLOOM M.D.	1318 JOHNSON AVE	RCRA NonGen / NLR	Higher	1294, 0.245, ESE
162	PACIFIC BELL	817 PALM STREET	RCRA NonGen / NLR, FINDS, ECHO	Lower	1318, 0.250, WSW
V163	MONTEREY GAS MART(KA	1480 MONTEREY ST	LUST, HIST UST	Higher	1478, 0.280, NE
V164	MONTEREY GAS MART(KA	1480 MONTEREY ST	LUST, Cortese, CERS	Higher	1478, 0.280, NE
165	CUESTA COLLEGE	HWY 1	LUST, UST, CERS HAZ WASTE, SWEEPS UST, HIST UST,...	Lower	1648, 0.312, NNW
166	PISMO ST. AND MORRO	900 PISMO ST.	CPS-SLIC, CERS	Lower	1709, 0.324, South
167	OLD WATER YARD	1330 BUCHON ST	LUST, Cortese, HIST CORTESE, CERS	Higher	1760, 0.333, ESE
168	COP PIPELINE AT SAN	SAN LUIS DRIVE	CPS-SLIC	Higher	1799, 0.341, East
169	CALIFORNIA HIGHWAY P	675 CALIFORNIA BLVD	LUST, HIST UST, Cortese, CERS	Higher	1868, 0.354, North
W170	ARCO STATION	396 SANTA ROSA ST	LUST, Cortese, HIST CORTESE, CERS	Lower	2052, 0.389, NW
W171	MAGIC WAND CARWASH	1042 OLIVE ST	LUST, Cortese, HIST CORTESE, CERS	Lower	2127, 0.403, NW
W172	ABANDONED TEXACO (SA	397 SANTA ROSA ST	LUST, Cortese, HIST CORTESE, CERS	Lower	2131, 0.404, NW
173	CHEVRON STATION (CLO	594 CALIFORNIA BLVD	LUST, Cortese, HIST CORTESE, NPDES, CIWQS, CERS	Higher	2172, 0.411, North
174	CITY OF SAN LUIS OBI	748 PISMO STREET	LUST, HIST UST, Cortese, HIST CORTESE, CERS	Lower	2195, 0.416, SSW
W175	UNOCAL SERVICE STATI	363 SANTA ROSA ST	LUST, Cortese, HIST CORTESE, CERS	Lower	2270, 0.430, NW
X176	CRAIG REED	659 HIGUERA ST	DEED, HAZNET, CERS, HWTS	Lower	2374, 0.450, SW
X177	659 HIGUERA PROPERTY	659 HIGUERA STREET	LUST, Cortese	Lower	2374, 0.450, SW
178	SAN LUIS OBISPO AIRP		FUDS	Higher	2397, 0.454, NNE
X179	VACANT LOT	641 HIGUERA ST	LUST, Cortese, HIST CORTESE, CERS	Lower	2470, 0.468, SW
Y180	NIELS SHELL SERVICE	296 SANTA ROSA ST	LUST, SWEEPS UST, HIST UST, Cortese, CERS	Lower	2502, 0.474, NW
Y181	NIELS SHELL SERVICE	296 SANTA ROSA	LUST, HIST CORTESE	Lower	2502, 0.474, NW
Y182	NICK'S SHELL	296 SANTA ROSA ST	LUST, Cortese	Lower	2502, 0.474, NW
Z183	PG&E MANUFACTURED GA	NEAR DANA AND NIPOMO	ENVIROSTOR	Lower	2514, 0.476, SW
X184	NIPOMO STREET AND SL	NIPOMO STREET	Notify 65	Lower	2515, 0.476, SW
Y185	CHEVRON #9-1216	254 SANTA ROSA ST	LUST, Cortese, CUPA Listings, HIST CORTESE, CERS	Lower	2616, 0.495, NW
AA186	AMERICAN GAS AND TIR	1756 MONTEREY ST	LUST, Cortese, ENF	Higher	2629, 0.498, NE
AA187	AMERICAN GAS AND TIR	1756 MONTEREY ST	LUST, HAZNET, CERS, HWTS	Higher	2629, 0.498, NE
188		510 A HATHAWAY	Notify 65	Higher	2648, 0.502, NNW
Z189	PG AND E MANUFACTURE	NEAR DANA AND NIPOMO	EDR MGP	Lower	2720, 0.515, SW
AB190		GRAND AND LOOMIS AVE	Notify 65	Higher	3275, 0.620, NNE
AB191		GRAND AND LOOMIS AVE	Notify 65	Higher	3275, 0.620, NNE
AC192	MODEL INDUSTRIAL SUP	331 PACIFIC STREET	ENVIROSTOR, CPS-SLIC, CUPA Listings, ENF, CERS	Lower	4035, 0.764, SW
193	HELEN HUTCHINSON	1957 HOPE STREET	Notify 65	Higher	4040, 0.765, NNE
194	FORMER SPOTLESS DRY	385 HIGUERA STREET	RESPONSE, ENVIROSTOR, CPS-SLIC, Cortese, HWTS	Lower	4211, 0.798, SW
AC195	PG&E MANUFACTURED GA	BLOCK OF PISMO, ARCH	ENVIROSTOR	Lower	4230, 0.801, SW

MAPPED SITES SUMMARY

Target Property Address:
1144 MONTEREY STREET
SAN LUIS OBISPO, CA 93401

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AC196	SLO GREEN CLEAN	272 PACIFIC STREET	RESPONSE, ENVIROSTOR	Lower	4250, 0.805, SW
197	SUNNY ACRES COMMUNIT	JOHNSON AVENUE/BISHO	ENVIROSTOR, SCH	Higher	4250, 0.805, ESE
AC198	1327 ARCHER STREET	1327 ARCHER STREET	ENVIROSTOR, VCP, DEED	Lower	4263, 0.807, SW
AD199	PG AND E MANUFACTURE	BLOCK OF PISMO, ARCH	EDR MGP	Lower	4265, 0.808, SW
200	PG&E, ZONE 1 SUBSTAT	PACIFIC STREET	ENVIROSTOR, VCP, HIST Cal-Sites, DEED	Lower	4442, 0.841, SW
AD201	PG&E SAN LUIS OBISPO	1390 WALKER AND 280-	ENVIROSTOR, VCP, DEED	Lower	4517, 0.855, SW
AE202	BREEZE GAS & MINI MA	796 FOOTHILL BOULEVA	Notify 65	Higher	5008, 0.948, NW
AE203	BREEZE GAS & MINI MA	796 FOOTHILL BOULEVA	Notify 65	Higher	5008, 0.948, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
MONTEREY MOTORS 1144 MONTEREY ST SAN LUIS OBISPO, CA	RGA LUST	N/A
MONTEREY MOTORS 1144 MONTEREY ST SAN LUIS OBISP, CA	RGA LUST	N/A
KIMBALL MITSUBISHI 1144 MONTEREY ST SAN LUIS OBISPO, CA 93401	HAZNET GEPAID: CAL000037669 HWTS	N/A
MONTEREY MOTORS 1144 MONTEREY ST SAN LUIS OBISPO, CA 93401	FINDS Registry ID:: 110066649032	N/A
KIMBALL MOTORS 1144 MONTEREY ST SAN LUIS OBISP, CA	RGA LUST	N/A
KIMBALL MITSUBISHI 1144 MONTEREY ST SAN LUIS OBISPO, CA 93401	RCRA-SQG EPA ID:: CAD983608605 FINDS Registry ID:: 110002863027 ECHO Registry ID: 110002863027 HAZNET GEPAID: CAD983608605 HWTS	CAD983608605
KIMBALL MOTORS 1144 MONTEREY ST SAN LUIS OBISPO, CA	RGA LUST	N/A
CNTY OF SAN LUIS OBI 1144 MONTEREY ST SAN LUIS OBISPO, CA 93408	HAZNET GEPAID: CAC002563693 HWTS	N/A
MONTERY MOTORS 1144 MONTERY ST SAN LUIS OBISPO, CA 93401	HWTS	N/A

EXECUTIVE SUMMARY

KIMBALL MOTORS 1144 MONTEREY STREET SAN LUIS OBISPO, CA 93401	LUST Database: LUST REG 3, Date of Government Version: 05/19/2003 Database: LUST, Date of Government Version: 03/06/2023 Status: Completed - Case Closed Global Id: T0607900021 Global Id: T0607900067 Status: Post remedial action monitoring Status: Case Closed Global ID: T0607900067 CPS-SLIC Database: CPS-SLIC, Date of Government Version: 03/06/2023 Facility Status: Open - Verification Monitoring Global Id: T10000001025 Cortese Cleanup Status: COMPLETED - CASE CLOSED HIST CORTESE Reg Id: 116 CERS	N/A
1X LUCILLE KIMBALL T 1144 MONTEREY STREET SAN LUIS OBISPO, CA 93401	HAZNET GEPAID: CAC000141861 HWTS	N/A
MONTEREY MOTORS 1144 MONTEREY SAN LUIS OBISPO, CA	RGA LUST	N/A
KIMBALL MOTORS 1144 MONTEREY ST SAN LUIS OBISPO, CA 93401	FINDS Registry ID:: 110066490265	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites

NPL LIENS - Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL - National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY - Federal Facility Site Information listing
SEMS - Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE - Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS - Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF - RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-VSQG - RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS - Land Use Control Information System
US ENG CONTROLS - Engineering Controls Sites List
US INST CONTROLS - Institutional Controls Sites List

Federal ERNS list

ERNS - Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF - Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST - Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST - Underground Storage Tank Listing
INDIAN UST - Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP - Voluntary Cleanup Priority Listing
VCP - Voluntary Cleanup Program Properties

EXECUTIVE SUMMARY

Lists of state and tribal brownfield sites

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---------- Waste Management Unit Database
SWRCY ---------- Recycler Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
SCH ---------- School Property Evaluation Program
CDL ---------- Clandestine Drug Labs
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
US CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS ---------- Environmental Liens Listing
LIENS 2 ---------- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
CHMIRS ---------- California Hazardous Material Incident Report System
LDS ---------- Land Disposal Sites Listing
MCS ---------- Military Cleanup Sites Listing
SPILLS 90 ---------- SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST
2020 COR ACTION ---------- 2020 Corrective Action Program List
TSCA ---------- Toxic Substances Control Act
TRIS ---------- Toxic Chemical Release Inventory System
SSTS ---------- Section 7 Tracking Systems
ROD ---------- Records Of Decision
RMP ---------- Risk Management Plans

EXECUTIVE SUMMARY

RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
PFAS	PFAS Contamination Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
HAZMAT	Hazardous Material Facilities
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List

EXECUTIVE SUMMARY

MILITARY PRIV SITES ------ MILITARY PRIV SITES (GEOTRACKER)
PROJECT ------ PROJECT (GEOTRACKER)
WDR ------ Waste Discharge Requirements Listing
CIWQS ------ California Integrated Water Quality System
NON-CASE INFO ------ NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS ------ OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS ------ PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT ------ SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ ------ Well Stimulation Project (GEOTRACKER)
PFAS TRIS ------ List of PFAS Added to the TRI
MINES MRDS ------ Mineral Resources Data System

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ------ Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/06/2023 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RITE AID #5820 EPA ID:: CAL000380070	1251 JOHNSON AVE	ESE 1/8 - 1/4 (0.187 mi.)	N107	379
PACIFIC BELL EPA ID:: CAT080028129	***872 MORRO STREET***	***WSW 1/8 - 1/4 (0.194 mi.)***	***P116***	***588***

EXECUTIVE SUMMARY

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/06/2023 has revealed that there are 7 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC BELL EPA ID:: CAT080023302	***994 MILL STREET***	***W 1/8 - 1/4 (0.190 mi.)***	***O114***	***584***

Lower Elevation	Address	Direction / Distance	Map ID	Page
GROVE MOTORS INC EPA ID:: CAD982401051	***1219 MONTEREY ST***	***E 0 - 1/8 (0.027 mi.)***	***B29***	***72***
WESTSIDE AUTO PARTS EPA ID:: CAD983601261	***1232 MONTEREY ST***	***ENE 0 - 1/8 (0.039 mi.)***	***B41***	***128***
SPRING TOYOTA EPA ID:: CAD983595778	***1144 HIGUERA***	***SSE 0 - 1/8 (0.048 mi.)***	***C44***	***145***
AMAZON EPA ID:: CAP000342436	1194 PACIFIC SREET	SE 1/8 - 1/4 (0.161 mi.)	91	288
RITE AID #5820 EPA ID:: CA0001007681	***1251 JOHNSON AVE***	***ESE 1/8 - 1/4 (0.187 mi.)***	***N109***	***553***
MISSION MEDICAL ASSO EPA ID:: CAD983630203	***1235 OSOS ST***	***S 1/8 - 1/4 (0.219 mi.)***	***L136***	***643***

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there are 3 RESPONSE sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER KLEEN-RITE CL Database: RESPONSE, Date of Government Version: 01/23/2023 Status: Active Facility Id: 60003225	***1115 SANTA ROSA STRE***	***S 0 - 1/8 (0.091 mi.)***	***F60***	***201***
FORMER SPOTLESS DRY Database: RESPONSE, Date of Government Version: 01/23/2023 Status: Active Facility Id: 60003224	***385 HIGUERA STREET***	***SW 1/2 - 1 (0.798 mi.)***	***194***	***859***
SLO GREEN CLEAN Database: RESPONSE, Date of Government Version: 01/23/2023 Status: No Evidence of Release Facility Id: 60003226	***272 PACIFIC STREET***	***SW 1/2 - 1 (0.805 mi.)***	***AC196***	***864***

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/23/2023 has revealed that there are 10 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUNNY ACRES COMMUNIT	***JOHNSON AVENUE/BISHO***	***ESE 1/2 - 1 (0.805 mi.)***	***197***	***866***
Facility Id: 40830002				
Status: No Action Required				

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER KLEEN-RITE CL	***1115 SANTA ROSA STRE***	***S 0 - 1/8 (0.091 mi.)***	***F60***	***201***
Facility Id: 60003225				
Status: Active				
PG&E MANUFACTURED GA	NEAR DANA AND NIPOMO	SW 1/4 - 1/2 (0.476 mi.)	Z183	816
Facility Id: 40490012				
Status: Inactive - Needs Evaluation				
MODEL INDUSTRIAL SUP	***331 PACIFIC STREET***	***SW 1/2 - 1 (0.764 mi.)***	***AC192***	***853***
Facility Id: 60002305				
Status: Active				
FORMER SPOTLESS DRY	***385 HIGUERA STREET***	***SW 1/2 - 1 (0.798 mi.)***	***194***	***859***
Facility Id: 60003224				
Status: Active				
PG&E MANUFACTURED GA	BLOCK OF PISMO, ARCH	SW 1/2 - 1 (0.801 mi.)	AC195	863
Facility Id: 40490011				
Status: Inactive - Needs Evaluation				
SLO GREEN CLEAN	***272 PACIFIC STREET***	***SW 1/2 - 1 (0.805 mi.)***	***AC196***	***864***
Facility Id: 60003226				
Status: No Evidence of Release				
1327 ARCHER STREET	***1327 ARCHER STREET***	***SW 1/2 - 1 (0.807 mi.)***	***AC198***	***868***
Facility Id: 60001034				
Status: Certified O&M - Land Use Restrictions Only				
PG&E, ZONE 1 SUBSTAT	***PACIFIC STREET***	***SW 1/2 - 1 (0.841 mi.)***	***200***	***873***
Facility Id: 40490013				
Status: Certified / Operation & Maintenance				
PG&E SAN LUIS OBISPO	***1390 WALKER AND 280-***	***SW 1/2 - 1 (0.855 mi.)***	***AD201***	***883***
Facility Id: 60001181				
Status: Certified / Operation & Maintenance				

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 42 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOSCO 76 SERVICE STA	***1308 MONTEREY ST***	***NE 0 - 1/8 (0.123 mi.)***	***G69***	***217***
Database: LUST, Date of Government Version: 03/06/2023 Status: Completed - Case Closed Global Id: T0607900096 Global Id: T0607940010				
UNION OIL SERVICE ST	***1308 MONTEREY STREET***	***NE 0 - 1/8 (0.123 mi.)***	***G70***	***230***
Database: LUST REG 3, Date of Government Version: 05/19/2003 Status: Pollution Characterization Global ID: T0607900096				
STANLEY MOTORS	***1330 MONTEREY ST***	***NE 1/8 - 1/4 (0.151 mi.)***	***K87***	***274***
Database: LUST REG 3, Date of Government Version: 05/19/2003 Database: LUST, Date of Government Version: 03/06/2023 Status: Completed - Case Closed Global Id: T0607900129 Status: Case Closed Global ID: T0607900129				
VACANT	***1371 MONTEREY ST***	***ENE 1/8 - 1/4 (0.184 mi.)***	***K106***	***374***
Database: LUST REG 3, Date of Government Version: 05/19/2003 Database: LUST, Date of Government Version: 03/06/2023 Status: Completed - Case Closed Global Id: T0607900135 Status: Case Closed Global ID: T0607900135				
DEWAR PROPERTY (SANT	***656 SANTA ROSA ST***	***NW 1/8 - 1/4 (0.225 mi.)***	***T141***	***662***
Database: LUST, Date of Government Version: 03/06/2023 Status: Completed - Case Closed Global Id: T0607900133				
MONTEREY GAS MART(KA	***1480 MONTEREY ST***	***NE 1/4 - 1/2 (0.280 mi.)***	***V163***	***704***
Database: LUST, Date of Government Version: 03/06/2023 Status: Completed - Case Closed Global Id: T0607900068				
MONTEREY GAS MART(KA	***1480 MONTEREY ST***	***NE 1/4 - 1/2 (0.280 mi.)***	***V164***	***709***
Database: LUST REG 3, Date of Government Version: 05/19/2003 Status: Case Closed Global ID: T0607900068				
OLD WATER YARD	***1330 BUCHON ST***	***ESE 1/4 - 1/2 (0.333 mi.)***	***167***	***744***
Database: LUST REG 3, Date of Government Version: 05/19/2003 Database: LUST, Date of Government Version: 03/06/2023 Status: Completed - Case Closed Global Id: T0607900114 Status: Case Closed Global ID: T0607900114				
CALIFORNIA HIGHWAY P	***675 CALIFORNIA BLVD***	***N 1/4 - 1/2 (0.354 mi.)***	***169***	***748***
Database: LUST, Date of Government Version: 03/06/2023				

Status: Completed - Case Closed
Global Id: T10000001818

CHEVRON STATION (CLO ***594 CALIFORNIA BLVD*** ***N 1/4 - 1/2 (0.411 mi.)*** ***173*** ***763***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900128
Status: Case Closed
Global ID: T0607900128

AMERICAN GAS AND TIR ***1756 MONTEREY ST*** ***NE 1/4 - 1/2 (0.498 mi.)*** ***AA186*** ***826***
Database: LUST, Date of Government Version: 03/06/2023
Status: Open - Eligible for Closure
Global Id: T0607900100

AMERICAN GAS AND TIR ***1756 MONTEREY ST*** ***NE 1/4 - 1/2 (0.498 mi.)*** ***AA187*** ***848***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Status: Preliminary site assessment workplan submitted
Global ID: T0607900100

Lower Elevation	Address	Direction / Distance	Map ID	Page

7-ELEVEN STORE #1881 ***1108 MONTEREY ST*** ***SW 0 - 1/8 (0.002 mi.)*** ***A16*** ***40***
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900030

SUPER-7 18816 ***1108 MONTEREY*** ***SW 0 - 1/8 (0.002 mi.)*** ***A17*** ***49***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Status: Post remedial action monitoring
Global ID: T0607900030

ROSSI PROPERTY ***1200 MONTEREY ST*** ***ENE 0 - 1/8 (0.021 mi.)*** ***A24*** ***58***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900053
Status: Case Closed
Global ID: T0607900053

BURTON, PHIL (FORMER ***1185 MONTEREY ST*** ***ESE 0 - 1/8 (0.023 mi.)*** ***A26*** ***64***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900083
Status: Case Closed
Global ID: T0607900083

RANCHO GRANDE MOTORS ***1219 MONTEREY*** ***E 0 - 1/8 (0.027 mi.)*** ***B30*** ***76***
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607999973

SMITH VOLVO ***1219 MONTEREY ST*** ***E 0 - 1/8 (0.027 mi.)*** ***B31*** ***81***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Status: Preliminary site assessment underway
Global ID: T0607999973

JOHNSKI INC 1 ***1101 MONTEREY*** ***S 0 - 1/8 (0.036 mi.)*** ***C36*** ***105***
Database: LUST REG 3, Date of Government Version: 05/19/2003

Status: Remedial action (cleanup) Underway
Global ID: T0607968199

JOHN SHELL ***1101 MONTEREY*** ***S 0 - 1/8 (0.036 mi.)*** ***C39*** ***112***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900144
Global Id: T0607968199
Status: Case Closed
Global ID: T0607900144

FORMER STANDARD OIL ***1066 MONTEREY ST*** ***SW 0 - 1/8 (0.045 mi.)*** ***D42*** ***131***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607955009
Global ID: T0607955009

SPRING TOYOTA ***1144 HIGUERA*** ***SSE 0 - 1/8 (0.048 mi.)*** ***C44*** ***145***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900072
Status: Case Closed
Global ID: T0607900072

SIDE WALK (SLO CO. G ***1055 MONTEREY*** ***SW 0 - 1/8 (0.071 mi.)*** ***E45*** ***158***
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607944265

SLO COUNTY GOVERNMEN ***1051 MONTEREY ST*** ***SW 0 - 1/8 (0.073 mi.)*** ***E46*** ***161***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607940080
Status: Preliminary site assessment underway
Global ID: T0607940080

COUNTY GOVERNMENT CE ***1050 MONTEREY ST*** ***SW 0 - 1/8 (0.086 mi.)*** ***E57*** ***192***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900018
Status: Case Closed
Global ID: T0607900018

FORMER FIRESTONE STO ***1001 HIGUERA ST*** ***SSW 1/8 - 1/4 (0.136 mi.)*** ***I77*** ***240***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900060
Status: Case Closed
Global ID: T0607900060

CHEDA PROOERTY ***1095 MARSH*** ***S 1/8 - 1/4 (0.151 mi.)*** ***J83*** ***253***
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900102

CHEDA PROPERTY ***1095 MARSH ST*** ***S 1/8 - 1/4 (0.151 mi.)*** ***J85*** ***259***
Database: LUST REG 3, Date of Government Version: 05/19/2003

Status: Case Closed
Global ID: T0607900102

ARCO STATION ***1001 MARSH*** ***S 1/8 - 1/4 (0.173 mi.)*** ***L98*** ***355***
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900028

ARCO # 01934 1001 MARSH ST S 1/8 - 1/4 (0.173 mi.) L100 359
Database: LUST REG 3, Date of Government Version: 05/19/2003
Status: Post remedial action monitoring
Global ID: T0607900028

CUESTA COLLEGE ***HWY 1*** ***NNW 1/4 - 1/2 (0.312 mi.)*** ***165*** ***711***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900113
Status: Case Closed
Global ID: T0607900113

ARCO STATION ***396 SANTA ROSA ST*** ***NW 1/4 - 1/2 (0.389 mi.)*** ***W170*** ***752***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900020
Status: Case Closed
Global ID: T0607900020

MAGIC WAND CARWASH ***1042 OLIVE ST*** ***NW 1/4 - 1/2 (0.403 mi.)*** ***W171*** ***756***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900131
Status: Case Closed
Global ID: T0607900131

ABANDONED TEXACO (SA ***397 SANTA ROSA ST*** ***NW 1/4 - 1/2 (0.404 mi.)*** ***W172*** ***759***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900146
Status: Case Closed
Global ID: T0607900146

CITY OF SAN LUIS OBI ***748 PISMO STREET*** ***SSW 1/4 - 1/2 (0.416 mi.)*** ***174*** ***769***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900165
Status: Case Closed
Global ID: T0607900165

UNOCAL SERVICE STATI ***363 SANTA ROSA ST*** ***NW 1/4 - 1/2 (0.430 mi.)*** ***W175*** ***773***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900178
Global Id: T0607900087
Status: Pollution Characterization

Global Id: SL0607944973

Lower Elevation	Address	Direction / Distance	Map ID	Page
1085 HIGUERA STREET	***1085 HIGUERA STREET***	***S 0 - 1/8 (0.086 mi.)***	***C56***	***189***
Database: CPS-SLIC, Date of Government Version: 03/06/2023 Facility Status: Open - Site Assessment Global Id: T10000016718				
SUNSET CAR WASH NORT	***1023 MARSH ST***	***S 1/8 - 1/4 (0.163 mi.)***	***J95***	***348***
Database: SLIC REG 3, Date of Government Version: 05/18/2006 Database: CPS-SLIC, Date of Government Version: 03/06/2023 Facility Status: Completed - Case Closed Global Id: SLT3S1751333 Facility Status: Case Closed				
PISMO ST. AND MORRO	***900 PISMO ST.***	***S 1/4 - 1/2 (0.324 mi.)***	***166***	***742***
Database: CPS-SLIC, Date of Government Version: 03/06/2023 Facility Status: Open - Verification Monitoring Global Id: SL0607937854				

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 6 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MILLER'S UNOCAL	1308 MONTEREY ST	NE 0 - 1/8 (0.123 mi.)	G72	234
Database: UST, Date of Government Version: 12/02/2022 Facility Id: 600067				
STANLEY MOTORS	***1330 MONTEREY ST***	***NE 1/8 - 1/4 (0.151 mi.)***	***K87***	***274***
Database: UST, Date of Government Version: 12/02/2022 Facility Id: 600107				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAN LUIS DOWNTOWN SH	1101 MONTEREY ST	S 0 - 1/8 (0.036 mi.)	C34	102
Database: UST, Date of Government Version: 12/02/2022 Facility Id: 600092				
COUNTY GOVERN CTR TA	1039 MONTEREY ST	SW 0 - 1/8 (0.080 mi.)	E51	183
Database: UST, Date of Government Version: 12/02/2022 Facility Id: 600029				
AT&T COMMUNICATIONS	872 MORRO ST -PO BOX	WSW 1/8 - 1/4 (0.194 mi.)	P115	587
Database: UST, Date of Government Version: 12/02/2022 Facility Id: 600001				
AT&T CORP. - SE094	872 MORRO ST	WSW 1/8 - 1/4 (0.194 mi.)	P118	616
Database: UST, Date of Government Version: 12/02/2022				

EXECUTIVE SUMMARY

Facility Id: 40-023-TMP001

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPRING TOYOTA	***1144 HIGUERA***	***SSE 0 - 1/8 (0.048 mi.)***	***C44***	***145***

Database: AST, Date of Government Version: 07/06/2016

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PG&E, ZONE 1 SUBSTAT	***PACIFIC STREET***	***SW 1/2 - 1 (0.841 mi.)***	***200***	***873***

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/05/2023 has revealed that there are 10 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SMITH VOLVO	***1219 MONTEREY ST***	***E 0 - 1/8 (0.027 mi.)***	***B31***	***81***
LUSH 485	***1070 COURT ST***	***SW 1/8 - 1/4 (0.160 mi.)***	***I90***	***285***
SEPHORA STORE # 438	***1090 COURT ST***	***SW 1/8 - 1/4 (0.161 mi.)***	***I93***	***293***
BLUEMERCURY OBISPO	***949 HIGUERA ST***	***SSW 1/8 - 1/4 (0.170 mi.)***	***I96***	***350***
RITE AID #5820	***1251 JOHNSON AVE***	***ESE 1/8 - 1/4 (0.187 mi.)***	***N108***	***382***
PACIFIC BELL TELEPHO	***872 MORRO ST***	***WSW 1/8 - 1/4 (0.194 mi.)***	***P117***	***592***
VICTORIA SECRET STOR	***898 HIGUERA ST***	***SW 1/8 - 1/4 (0.200 mi.)***	***M132***	***633***
APPLE INC R199	***899 HIGUERA ST***	***SW 1/8 - 1/4 (0.225 mi.)***	***S139***	***656***
SMART & FINAL # 913	***1321 JOHNSON AVE***	***ESE 1/8 - 1/4 (0.227 mi.)***	***N147***	***671***
ATHLETA 3404	***879 HIGUERA ST***	***SW 1/8 - 1/4 (0.238 mi.)***	***S156***	***689***

Status: Case Closed
Global ID: T0607900087

659 HIGUERA PROPERTY ***659 HIGUERA STREET*** ***SW 1/4 - 1/2 (0.450 mi.)*** ***X177*** ***791***
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T10000000486

VACANT LOT ***641 HIGUERA ST*** ***SW 1/4 - 1/2 (0.468 mi.)*** ***X179*** ***794***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900110
Status: Case Closed
Global ID: T0607900110

NIELS SHELL SERVICE ***296 SANTA ROSA ST*** ***NW 1/4 - 1/2 (0.474 mi.)*** ***Y180*** ***798***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Status: Case Closed
Global ID: T0607900182

NIELS SHELL SERVICE ***296 SANTA ROSA*** ***NW 1/4 - 1/2 (0.474 mi.)*** ***Y181*** ***802***
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T060793053
Global Id: T0607900182

NICK'S SHELL ***296 SANTA ROSA ST*** ***NW 1/4 - 1/2 (0.474 mi.)*** ***Y182*** ***814***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Status: Pollution Characterization
Global ID: T060793053

CHEVRON #9-1216 ***254 SANTA ROSA ST*** ***NW 1/4 - 1/2 (0.495 mi.)*** ***Y185*** ***817***
Database: LUST REG 3, Date of Government Version: 05/19/2003
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0607900011
Status: Post remedial action monitoring
Global ID: T0607900011

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 5 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STANLEY MOTORS	***1330 MONTEREY ST***	***NE 1/8 - 1/4 (0.151 mi.)***	***K87***	***274***
Database: CPS-SLIC, Date of Government Version: 03/06/2023 Facility Status: Completed - Case Closed Global Id: T10000004532				
COP PIPELINE AT SAN	SAN LUIS DRIVE	E 1/4 - 1/2 (0.341 mi.)	168	747
Database: CPS-SLIC, Date of Government Version: 03/06/2023 Facility Status: Open - Assessment & Interim Remedial Action				

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 7 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CLARKS EXXON Comp Number: 224	***656 SANTA ROSA***	***NW 1/8 - 1/4 (0.225 mi.)***	***T143***	***666***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SUPER 7 Comp Number: 12835	***1108 MONTEREY ST***	***SW 0 - 1/8 (0.002 mi.)***	***A19***	***52***
JOHN SHELL Status: A Tank Status: A Comp Number: 66678	***1101 MONTEREY***	***S 0 - 1/8 (0.036 mi.)***	***C39***	***112***
SPRING TOYOTA Comp Number: 64144	***1144 HIGUERA***	***SSE 0 - 1/8 (0.048 mi.)***	***C44***	***145***
SAN LUIS OBISPO FUEL Status: A Tank Status: A Comp Number: 59968	***1039 MONTEREY ST***	***SW 0 - 1/8 (0.080 mi.)***	***E52***	***184***
ARCO STATION #1934 Status: A Tank Status: A Comp Number: 505	***1001 MARSH ST***	***S 1/8 - 1/4 (0.173 mi.)***	***L102***	***362***
PACIFIC BELL Status: A Tank Status: A Comp Number: 16401	***872 MORRO STREET***	***WSW 1/8 - 1/4 (0.194 mi.)***	***P116***	***588***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 15 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNION OIL SS 0821 Facility Id: 00000004558	1308 MONTEREY ST	NE 0 - 1/8 (0.123 mi.)	G67	212
UNION OIL SERVICE ST	***1308 MONTEREY STREET***	***NE 0 - 1/8 (0.123 mi.)***	***G70***	***230***
UNION OIL SERVICE ST Facility Id: 00000028624	***1308 MONTEREY ST***	***NE 0 - 1/8 (0.123 mi.)***	***G71***	***232***
STANLEY MOTORS	***1330 MONTEREY ST***	***NE 1/8 - 1/4 (0.151 mi.)***	***K87***	***274***

Facility Id: 00000037886				
CLARKS EXXON Facility Id: 00000000224	656 SANTA ROSA	NW 1/8 - 1/4 (0.225 mi.)	T144	667

Lower Elevation	Address	Direction / Distance	Map ID	Page
SUPER-7 18816 Facility Id: 00000012835	***1108 MONTEREY***	***SW 0 - 1/8 (0.002 mi.)***	***A17***	***49***
RANCHO GRANDE MOTORS Facility Id: 00000015847	***1219 MONTEREY***	***E 0 - 1/8 (0.027 mi.)***	***B30***	***76***
JOHNSKI INC 1 Facility Id: 00000066678	***1101 MONTEREY***	***S 0 - 1/8 (0.036 mi.)***	***C36***	***105***
SPRING TOYOTA Facility Id: 00000064144	***1144 HIGUERA***	***SSE 0 - 1/8 (0.048 mi.)***	***C44***	***145***
SAN LUIS OBISPO FUEL Facility Id: 00000059968	1039 MONTEREY ST	SW 0 - 1/8 (0.080 mi.)	E48	167
COUNTY OF SAN LUIS O	***1039 MONTEREY ST***	***SW 0 - 1/8 (0.080 mi.)***	***E49***	***168***
SLO-CO MOBIL Facility Id: 00000066429 Facility Id: 00000040638	1095 MARSH ST	S 1/8 - 1/4 (0.151 mi.)	J84	257
MCKIBBEN ARCO SERVIC Facility Id: 00000054137	1001 MARSH ST	S 1/8 - 1/4 (0.173 mi.)	L99	358
KAR-DEN INC Facility Id: 00000026669	1001 MARSH ST	S 1/8 - 1/4 (0.173 mi.)	L101	361
PACIFIC BELL Facility Id: 00000016401	***872 MORRO STREET***	***WSW 1/8 - 1/4 (0.194 mi.)***	***P116***	***588***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 8 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNION OIL SERVICE ST Facility Id: 40000729 Status: A	***1308 MONTEREY ST***	***NE 0 - 1/8 (0.123 mi.)***	***G71***	***232***
CLARKS EXXON Facility Id: 40001587 Status: I	***656 SANTA ROSA***	***NW 1/8 - 1/4 (0.225 mi.)***	***T143***	***666***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SUPER 7 Facility Id: 40000029 Status: I	***1108 MONTEREY ST***	***SW 0 - 1/8 (0.002 mi.)***	***A19***	***52***
JOHN'S SHELL Facility Id: 40000232	1101 MONTEREY	S 0 - 1/8 (0.036 mi.)	C38	112

Status: A

SPRING TOYOTA	***1144 HIGUERA***	***SSE 0 - 1/8 (0.048 mi.)***	***C44***	***145***
Facility Id: 40000225 Status: A				
SAN LUIS OBISPO FUEL	***1039 MONTEREY ST***	***SW 0 - 1/8 (0.080 mi.)***	***E52***	***184***
Facility Id: 40001799 Status: A				
ARCO STATION #1934	***1001 MARSH ST***	***S 1/8 - 1/4 (0.173 mi.)***	***L102***	***362***
Facility Id: 40000035 Status: A				
PACIFIC BELL	***872 MORRO STREET***	***WSW 1/8 - 1/4 (0.194 mi.)***	***P116***	***588***
Facility Id: 40001501 Status: A				

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/06/2023 has revealed that there is 1 CERS TANKS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC BELL TELEPHO	***872 MORRO ST***	***WSW 1/8 - 1/4 (0.194 mi.)***	***P117***	***592***

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 11/28/2022 has revealed that there is 1 DEED site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CRAIG REED	***659 HIGUERA ST***	***SW 1/4 - 1/2 (0.450 mi.)***	***X176***	***789***
Status: COMPLETED - CASE CLOSED Envirostor ID: T10000000486				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/06/2023 has revealed that

there are 44 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ATTALA PROPERTIES, L EPA ID:: CAC003144061	969 TORO ST	NNE 0 - 1/8 (0.006 mi.)	A20	53
ANNE BLYTHE EPA ID:: CAC003198261	1155 PALM STREET	NNW 0 - 1/8 (0.034 mi.)	A32	97
ANNE BLYTHE EPA ID:: CAC003084895	1155 PALM ST UNIT #	NNW 0 - 1/8 (0.034 mi.)	A33	100
COUNTY OF SAN LUIS O EPA ID:: CAC003039233	1035 PALM STREET	WSW 0 - 1/8 (0.101 mi.)	H62	205
IFIXIT EPA ID:: CAC003024432	1330 MONTEREY STREET	NE 1/8 - 1/4 (0.151 mi.)	K86	271
IFIXIT EPA ID:: CAC003002317	1330 MONTEREY STREET	NE 1/8 - 1/4 (0.151 mi.)	K88	281
OSOS LAND CO. LLC EPA ID:: CAC003205457	994 MILL ST.	W 1/8 - 1/4 (0.190 mi.)	O113	582
RALPH STRAUSS EPA ID:: CAC003176263	772 JOHNSON AVENUE	N 1/8 - 1/4 (0.194 mi.)	119	617
ROGER B STEELE TRUST EPA ID:: CAC003211403	1250 PEACH ST #H	NNW 1/8 - 1/4 (0.198 mi.)	Q121	619
E CARRIE RAMIREZ DDS EPA ID:: CAL000413069	1250 PEACH ST STE G	NNW 1/8 - 1/4 (0.198 mi.)	Q122	622
MEDICAL CLINIC AT PE EPA ID:: CAL000415558	1250 PEACH ST STE A	NNW 1/8 - 1/4 (0.198 mi.)	Q127	625
THOMAS COURTNEY EPA ID:: CAC003193359	656 SANTA ROSA STREE	NW 1/8 - 1/4 (0.225 mi.)	T142	663
JEFFREY M BLOOM M.D. EPA ID:: CAL000407597	1318 JOHNSON AVE	ESE 1/8 - 1/4 (0.245 mi.)	U161	698

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAN LUIS DIAGNOSTIC EPA ID:: CAL000105542	1100 MONTEREY ST	SW 0 - 1/8 (0.010 mi.)	A21	55
MONTORO LAND COMPANY EPA ID:: CAC003211710	1200 MONTEREY ST	ENE 0 - 1/8 (0.021 mi.)	A25	61
COUNTY OF SAN LUIS O EPA ID:: CAC002982716	1185 MONTEREY ST.	ESE 0 - 1/8 (0.023 mi.)	A27	68
SMITH VOLVO INC DBA EPA ID:: CAL000034388	1219 MONTEREY ST	E 0 - 1/8 (0.027 mi.)	B28	70
SHELL OIL CO EPA ID:: CAD981405822	1101 MONTEREY	S 0 - 1/8 (0.036 mi.)	C37	108
1166 HIGUERA STREET, EPA ID:: CAC003012591	1166 HIGUERA ST.	SE 0 - 1/8 (0.048 mi.)	B43	143
STALWORK, INC. EPA ID:: CAC003164194	1085 HIGUERA ST	S 0 - 1/8 (0.086 mi.)	C54	185
STALWORK, INC. EPA ID:: CAC003195676	1085 HIGUERA	S 0 - 1/8 (0.086 mi.)	C55	187
1115 SANTA ROSA, LLC	1115 SANTA ROSA STRE	S 0 - 1/8 (0.091 mi.)	F58	198

EPA ID:: CAC002987704				
AMAZON.COM EPA ID:: CAC003145100	1007 MONTEREY ST	SW 0 - 1/8 (0.105 mi.)	E63	207
COUNTY OF SAN LUIS O EPA ID:: CAC003025139	976 OSOS ST	WSW 1/8 - 1/4 (0.125 mi.)	H74	235
COUNTY OF SAN LUIS O EPA ID:: CAC003143427	976 OSOS ST.	WSW 1/8 - 1/4 (0.125 mi.)	H75	238
ABERCROMBIE & FITCH EPA ID:: CAL000326543	980 HIGUERA ST	SSW 1/8 - 1/4 (0.148 mi.)	I82	251
LUSH 485 EPA ID:: CAL000464161	1070 COURT ST	SW 1/8 - 1/4 (0.160 mi.)	I89	283
SEPHORA STORE # 438 EPA ID:: CAL000325805	1090 COURT ST	SW 1/8 - 1/4 (0.161 mi.)	I92	291
SUNSET NORTH CAR WAS EPA ID:: CAC003139896	1023 MARSH ST.	S 1/8 - 1/4 (0.163 mi.)	J94	346
BLUEMERCURY OBISPO EPA ID:: CAL000458787	949 HIGUERA ST	SSW 1/8 - 1/4 (0.170 mi.)	I97	353
HOLLISTER & SOLOMON EPA ID:: CAL000075886	1042 PACIFIC ST SUIT	S 1/8 - 1/4 (0.184 mi.)	J105	372
BANANA REPUBLIC 6745 EPA ID:: CAL000443114	900 HIGUERA ST	SW 1/8 - 1/4 (0.188 mi.)	M111	576
LLOYD MARCUM DDS INC EPA ID:: CAL000120564	1129 PACIFIC ST	SSE 1/8 - 1/4 (0.200 mi.)	R129	628
VICTORIAS SECRET STO EPA ID:: CAL000426148	898 HIGURA ST	SW 1/8 - 1/4 (0.200 mi.)	M131	630
FRED GLICK EPA ID:: CAC003020940	1315 SANTA ROSA STRE	SSE 1/8 - 1/4 (0.210 mi.)	R133	635
MAC 12000603 EPA ID:: CAL000423914	874 MONTEREY ST	SW 1/8 - 1/4 (0.223 mi.)	M138	654
APPLE INC R199 EPA ID:: CAL000460802	899 HIGUERA ST	SW 1/8 - 1/4 (0.225 mi.)	S140	659
SMART & FINAL #913 EPA ID:: CAL000413944	1321 JOHNSON AVE	ESE 1/8 - 1/4 (0.227 mi.)	N146	669
ROSS DRESS FOR LESS EPA ID:: CAL000397386	868 HIGUERA ST	SW 1/8 - 1/4 (0.232 mi.)	S149	677
EXPRESS 978 EPA ID:: CAL000426387	887 HIGUERA ST	SW 1/8 - 1/4 (0.232 mi.)	S150	679
ADAM J JANETTE DDS EPA ID:: CAL000433264	1010 PEACH ST	WNW 1/8 - 1/4 (0.236 mi.)	152	685
ATHLETA 3404 EPA ID:: CAL000453676	879 HIGUEREA ST	SW 1/8 - 1/4 (0.238 mi.)	S157	691
DOUG HENDRY EPA ID:: CAC003102251	1320 OSOS ST.	S 1/8 - 1/4 (0.244 mi.)	159	696
PACIFIC BELL EPA ID:: CAT080023880	***817 PALM STREET***	***WSW 1/8 - 1/4 (0.250 mi.)***	***162***	***701***

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 11/01/2022 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAN LUIS OBISPO AIRP		NNE 1/4 - 1/2 (0.454 mi.)	178	793

AQUEOUS FOAM NRC: The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

A review of the AQUEOUS FOAM NRC list, as provided by EDR, and dated 01/02/2023 has revealed that there is 1 AQUEOUS FOAM NRC site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	MP: 249.95	NW 1/8 - 1/4 (0.237 mi.)	T155	688

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 12/14/2022 has revealed that there are 35 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOSCO 76 SERVICE STA	***1308 MONTEREY ST***	***NE 0 - 1/8 (0.123 mi.)***	***G69***	***217***
Cleanup Status: COMPLETED - CASE CLOSED				
UNION OIL SERVICE ST	***1308 MONTEREY STREET***	***NE 0 - 1/8 (0.123 mi.)***	***G70***	***230***
Cleanup Status: COMPLETED - CASE CLOSED				
STANLEY MOTORS	***1330 MONTEREY ST***	***NE 1/8 - 1/4 (0.151 mi.)***	***K87***	***274***
Cleanup Status: COMPLETED - CASE CLOSED				
VACANT	***1371 MONTEREY ST***	***ENE 1/8 - 1/4 (0.184 mi.)***	***K106***	***374***
Cleanup Status: COMPLETED - CASE CLOSED				
DEWAR PROPERTY (SANT	656 SANTA ROSA ST	NW 1/8 - 1/4 (0.225 mi.)	T145	669
Cleanup Status: COMPLETED - CASE CLOSED				
MONTEREY GAS MART(KA	***1480 MONTEREY ST***	***NE 1/4 - 1/2 (0.280 mi.)***	***V164***	***709***
Cleanup Status: COMPLETED - CASE CLOSED				
OLD WATER YARD	***1330 BUCHON ST***	***ESE 1/4 - 1/2 (0.333 mi.)***	***167***	***744***
Cleanup Status: COMPLETED - CASE CLOSED				
CALIFORNIA HIGHWAY P	***675 CALIFORNIA BLVD***	***N 1/4 - 1/2 (0.354 mi.)***	***169***	***748***
Cleanup Status: COMPLETED - CASE CLOSED				
CHEVRON STATION (CLO	***594 CALIFORNIA BLVD***	***N 1/4 - 1/2 (0.411 mi.)***	***173***	***763***
Cleanup Status: COMPLETED - CASE CLOSED				
AMERICAN GAS AND TIR	***1756 MONTEREY ST***	***NE 1/4 - 1/2 (0.498 mi.)***	***AA186***	***826***

Cleanup Status: OPEN - ELIGIBLE FOR CLOSURE

Lower Elevation	Address	Direction / Distance	Map ID	Page
SUPER-7 18816	***1108 MONTEREY***	***SW 0 - 1/8 (0.002 mi.)***	***A17***	***49***
Cleanup Status: COMPLETED - CASE CLOSED				
ROSSI PROPERTY	***1200 MONTEREY ST***	***ENE 0 - 1/8 (0.021 mi.)***	***A24***	***58***
Cleanup Status: COMPLETED - CASE CLOSED				
BURTON, PHIL (FORMER	***1185 MONTEREY ST***	***ESE 0 - 1/8 (0.023 mi.)***	***A26***	***64***
Cleanup Status: COMPLETED - CASE CLOSED				
SMITH VOLVO	***1219 MONTEREY ST***	***E 0 - 1/8 (0.027 mi.)***	***B31***	***81***
Cleanup Status: COMPLETED - CASE CLOSED				
JOHNSKI INC 1	***1101 MONTEREY***	***S 0 - 1/8 (0.036 mi.)***	***C36***	***105***
Cleanup Status: COMPLETED - CASE CLOSED				
JOHN SHELL	***1101 MONTEREY***	***S 0 - 1/8 (0.036 mi.)***	***C39***	***112***
Cleanup Status: COMPLETED - CASE CLOSED				
FORMER STANDARD OIL	***1066 MONTEREY ST***	***SW 0 - 1/8 (0.045 mi.)***	***D42***	***131***
Cleanup Status: COMPLETED - CASE CLOSED				
SPRING TOYOTA	***1144 HIGUERA***	***SSE 0 - 1/8 (0.048 mi.)***	***C44***	***145***
Cleanup Status: COMPLETED - CASE CLOSED				
SIDE WALK (SLO CO. G	***1055 MONTEREY***	***SW 0 - 1/8 (0.071 mi.)***	***E45***	***158***
Cleanup Status: COMPLETED - CASE CLOSED				
SLO COUNTY GOVERNMEN	***1051 MONTEREY ST***	***SW 0 - 1/8 (0.073 mi.)***	***E46***	***161***
Cleanup Status: COMPLETED - CASE CLOSED				
COUNTY GOVERNMENT CE	***1050 MONTEREY ST***	***SW 0 - 1/8 (0.086 mi.)***	***E57***	***192***
Cleanup Status: COMPLETED - CASE CLOSED				
FORMER KLEEN-RITE CL	***1115 SANTA ROSA STRE***	***S 0 - 1/8 (0.091 mi.)***	***F60***	***201***
Envirostor Id: 60003225 Cleanup Status: ACTIVE				
FORMER FIRESTONE STO	***1001 HIGUERA ST***	***SSW 1/8 - 1/4 (0.136 mi.)***	***I77***	***240***
Cleanup Status: COMPLETED - CASE CLOSED				
CHEDA PROPERTY	***1095 MARSH ST***	***S 1/8 - 1/4 (0.151 mi.)***	***J85***	***259***
Cleanup Status: COMPLETED - CASE CLOSED				
ARCO STATION	***1001 MARSH***	***S 1/8 - 1/4 (0.173 mi.)***	***L98***	***355***
Cleanup Status: COMPLETED - CASE CLOSED				
ARCO STATION	***396 SANTA ROSA ST***	***NW 1/4 - 1/2 (0.389 mi.)***	***W170***	***752***
Cleanup Status: COMPLETED - CASE CLOSED				
MAGIC WAND CARWASH	***1042 OLIVE ST***	***NW 1/4 - 1/2 (0.403 mi.)***	***W171***	***756***
Cleanup Status: COMPLETED - CASE CLOSED				
ABANDONED TEXACO (SA	***397 SANTA ROSA ST***	***NW 1/4 - 1/2 (0.404 mi.)***	***W172***	***759***
Cleanup Status: COMPLETED - CASE CLOSED				
CITY OF SAN LUIS OBI	***748 PISMO STREET***	***SSW 1/4 - 1/2 (0.416 mi.)***	***174***	***769***
Cleanup Status: COMPLETED - CASE CLOSED				
UNOCAL SERVICE STATI	***363 SANTA ROSA ST***	***NW 1/4 - 1/2 (0.430 mi.)***	***W175***	***773***
Cleanup Status: COMPLETED - CASE CLOSED				
659 HIGUERA PROPERTY	***659 HIGUERA STREET***	***SW 1/4 - 1/2 (0.450 mi.)***	***X177***	***791***
Cleanup Status: COMPLETED - CASE CLOSED				
VACANT LOT	***641 HIGUERA ST***	***SW 1/4 - 1/2 (0.468 mi.)***	***X179***	***794***

Cleanup Status: COMPLETED - CASE CLOSED

NIELS SHELL SERVICE ***296 SANTA ROSA ST*** ***NW 1/4 - 1/2 (0.474 mi.)*** ***Y180*** ***798***
Cleanup Status: COMPLETED - CASE CLOSED

NICK'S SHELL ***296 SANTA ROSA ST*** ***NW 1/4 - 1/2 (0.474 mi.)*** ***Y182*** ***814***
Cleanup Status: COMPLETED - CASE CLOSED

CHEVRON #9-1216 ***254 SANTA ROSA ST*** ***NW 1/4 - 1/2 (0.495 mi.)*** ***Y185*** ***817***
Cleanup Status: COMPLETED - CASE CLOSED

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 44 CUPA Listings sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTEREY UNOCAL	***1308 MONTEREY ST***	***NE 0 - 1/8 (0.123 mi.)***	***G68***	***214***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022 Facility Id: FA0005203 Status: Inactive, non-billable				
INTEGRATED WASTE MGM	870 OSOS ST	W 1/8 - 1/4 (0.136 mi.)	H76	240
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022 Facility Id: FA0002476 Status: Inactive, non-billable				
FREDMAN & SMITH	755 SANTA ROSA ST	WNW 1/8 - 1/4 (0.147 mi.)	80	247
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022 Facility Id: FA0009709 Status: Inactive, non-billable				
VACANT	***1371 MONTEREY ST***	***ENE 1/8 - 1/4 (0.184 mi.)***	***K106***	***374***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022 Facility Id: FA0005051 Status: Inactive, non-billable				
VERIZON WIRELESS SAN	***994 MILL ST***	***W 1/8 - 1/4 (0.190 mi.)***	***O112***	***578***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022 Facility Id: FA0006044 Status: Active, billable				
MCNEIL-AMORTEGUY, DE	1250 PEACH ST SUIT F	NNW 1/8 - 1/4 (0.198 mi.)	Q120	619
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022 Facility Id: FA0006750 Status: Inactive, non-billable				
MANNING, CHRIS	1250 PEACH ST STE #F	NNW 1/8 - 1/4 (0.198 mi.)	Q123	624
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022 Facility Id: FA0006757 Status: Inactive, non-billable				
DASSENKO, PAMELA	1250 PEACH ST STE #G	NNW 1/8 - 1/4 (0.198 mi.)	Q124	624
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022 Facility Id: FA0006758 Status: Inactive, non-billable				
LAWLER, JAMES	1250 PEACH ST STE #B	NNW 1/8 - 1/4 (0.198 mi.)	Q125	625
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022				

Facility Id: FA0006755
Status: Inactive, non-billable

NELSON/ LATTA/ WELLS 1250 PEACH ST STE #L NNW 1/8 - 1/4 (0.198 mi.) Q126 625
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0006770
Status: Inactive, non-billable

COLLERAN DDS, MICHAE 1250 PEACH ST STE #E NNW 1/8 - 1/4 (0.198 mi.) Q128 627
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0006756
Status: Inactive, non-billable

ARMSTRONG, WES 1318 JOHNSON AVE ESE 1/8 - 1/4 (0.245 mi.) U160 698
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0006745
Status: Inactive, non-billable

Lower Elevation	Address	Direction / Distance	Map ID	Page

SAN LUIS DIAGNOSTIC 1100 MONTEREY ST SW 0 - 1/8 (0.010 mi.) A22 57
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0006749
Status: Inactive, non-billable

BURTON, PHIL (FORMER 1185 MONTEREY ST ESE 0 - 1/8 (0.023 mi.) A26 64
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0005052
Status: Inactive, non-billable

RANCHO GRANDE MOTORS 1219 MONTEREY E 0 - 1/8 (0.027 mi.) B30 76
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0005054
Status: Inactive, non-billable
Status: Active, billable

JOHN SHELL 1101 MONTEREY S 0 - 1/8 (0.036 mi.) C39 112
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0005195
Status: Inactive, non-billable

SPRING TOYOTA 1144 HIGUERA SSE 0 - 1/8 (0.048 mi.) C44 145
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0009280
Status: Inactive, non-billable

COUNTY OF SAN LUIS O 1039 MONTEREY ST SW 0 - 1/8 (0.080 mi.) E50 175
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0005206
Status: Inactive, non-billable

DR. BRADLEY M. MILDE 1223 HIGUERA ST STE ESE 0 - 1/8 (0.085 mi.) 53 184
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0006742
Status: Inactive, non-billable

7-ELEVEN #21006 1301 MONTEREY ST ENE 0 - 1/8 (0.121 mi.) G65 209
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0009786
Facility Id: FA0013579
Status: Inactive, non-billable

Status: Active, billable

FORMER FIRESTONE STO ***1001 HIGUERA ST*** ***SSW 1/8 - 1/4 (0.136 mi.)*** ***I77*** ***240***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0000968
Status: Active, billable

SOUTHERN AUTO SUPPLI 1329 MONTEREY ST ENE 1/8 - 1/4 (0.136 mi.) G78 246
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0005053
Status: Inactive, non-billable

KRUCKEL, SARAH 1133 JOHNSON AVE E 1/8 - 1/4 (0.140 mi.) 79 247
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0006744
Status: Inactive, non-billable

ABERCROMBIE & FITCH ***980 HIGUERA ST*** ***SSW 1/8 - 1/4 (0.148 mi.)*** ***I81*** ***248***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0014059
Status: Inactive, non-billable

LUSH 485 ***1070 COURT ST*** ***SW 1/8 - 1/4 (0.160 mi.)*** ***I90*** ***285***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0015423
Status: Active, billable

SEPHORA STORE # 438 ***1090 COURT ST*** ***SW 1/8 - 1/4 (0.161 mi.)*** ***I93*** ***293***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0012827
Status: Active, billable

BLUEMERCURY OBISPO ***949 HIGUERA ST*** ***SSW 1/8 - 1/4 (0.170 mi.)*** ***I96*** ***350***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0015213
Status: Active, billable

955 PARTNERSHIP INC ***955 MONTEREY ST*** ***SW 1/8 - 1/4 (0.175 mi.)*** ***M103*** ***364***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0008708
Status: Inactive, non-billable

HOLLISTER & SOLOMON ***1042 PACIFIC ST SUIT*** ***S 1/8 - 1/4 (0.184 mi.)*** ***J104*** ***366***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0006753
Status: Inactive, non-billable

PAYLESS DRUG #4480 ***1251 JOHNSON*** ***ESE 1/8 - 1/4 (0.187 mi.)*** ***N110*** ***560***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0000268
Status: Active, exempt from billing
Status: Inactive, non-billable
Status: Active, billable

PACIFIC BELL TELEPHO ***872 MORRO ST*** ***WSW 1/8 - 1/4 (0.194 mi.)*** ***P117*** ***592***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0005041
Facility Id: FA0005186
Status: Inactive, non-billable
Status: Active, billable
Status: Active, exempt from billing

MARCUM, LLOYD 1129 PACIFIC ST SSE 1/8 - 1/4 (0.200 mi.) R130 630
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022

Facility Id: FA0006752
Status: Inactive, non-billable

VICTORIA SECRET STOR ***898 HIGUERA ST*** ***SW 1/8 - 1/4 (0.200 mi.)*** ***M132*** ***633***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0013307
Status: Active, billable

SMITH DDS, DEAN WALK 1231 OSOS ST S 1/8 - 1/4 (0.217 mi.) L134 637
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0006738
Status: Inactive, non-billable

BRAD KRANSHOFF ***1235 OSOS ST*** ***S 1/8 - 1/4 (0.219 mi.)*** ***L135*** ***637***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0005231
Status: Inactive, non-billable

MAC 12000603 ***874 MONTEREY ST*** ***SW 1/8 - 1/4 (0.223 mi.)*** ***M137*** ***647***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0012831
Status: Inactive, non-billable

APPLE INC R199 ***899 HIGUERA ST*** ***SW 1/8 - 1/4 (0.225 mi.)*** ***S139*** ***656***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0015211
Status: Active, billable

SMART & FINAL # 913 ***1321 JOHNSON AVE*** ***ESE 1/8 - 1/4 (0.227 mi.)*** ***N147*** ***671***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0000861
Facility Id: FA0011890
Facility Id: FA0012204
Status: Inactive, non-billable
Status: Active, billable

ROSS DRESS FOR LESS ***868 HIGUERA ST*** ***SW 1/8 - 1/4 (0.232 mi.)*** ***S148*** ***675***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0011577
Status: Inactive, non-billable

EXPRESS 978 ***887 HIGUERA ST*** ***SW 1/8 - 1/4 (0.232 mi.)*** ***S151*** ***682***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0013370
Status: Inactive, non-billable

BAILEY, F BRUCE 1338 SANTA ROSA ST SSE 1/8 - 1/4 (0.237 mi.) R153 687
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0006764
Facility Id: FA0006765
Status: Inactive, non-billable

HILTBRAND, RODNEY 1340 SANTA ROSA ST SSE 1/8 - 1/4 (0.237 mi.) R154 688
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0006767
Status: Inactive, non-billable

ATHLETA 3404 ***879 HIGUERA ST*** ***SW 1/8 - 1/4 (0.238 mi.)*** ***S156*** ***689***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022
Facility Id: FA0015212
Status: Active, billable

DOWNTOWN CENTRE CINE ***888 MARSH ST STE*** ***SSW 1/8 - 1/4 (0.244 mi.)*** ***S158*** ***693***
Database: CUPA SAN LUIS OBISPO, Date of Government Version: 11/08/2022

EXECUTIVE SUMMARY

Facility Id: FA0014243
Status: Active, billable

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 21 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOSCO 76 SERVICE STA Reg Id: 2976	***1308 MONTEREY ST***	***NE 0 - 1/8 (0.123 mi.)***	***G69***	***217***
STANLEY MOTORS Reg Id: 414	***1330 MONTEREY ST***	***NE 1/8 - 1/4 (0.151 mi.)***	***K87***	***274***
VACANT Reg Id: 421	***1371 MONTEREY ST***	***ENE 1/8 - 1/4 (0.184 mi.)***	***K106***	***374***
DEWAR PROPERTY (SANT Reg Id: 419	***656 SANTA ROSA ST***	***NW 1/8 - 1/4 (0.225 mi.)***	***T141***	***662***
OLD WATER YARD Reg Id: 398	***1330 BUCHON ST***	***ESE 1/4 - 1/2 (0.333 mi.)***	***167***	***744***
CHEVRON STATION (CLO Reg Id: 413	***594 CALIFORNIA BLVD***	***N 1/4 - 1/2 (0.411 mi.)***	***173***	***763***

Lower Elevation	Address	Direction / Distance	Map ID	Page
7-ELEVEN STORE #1881 Reg Id: 125	***1108 MONTEREY ST***	***SW 0 - 1/8 (0.002 mi.)***	***A16***	***40***
ROSSI PROPERTY Reg Id: 2318	***1200 MONTEREY ST***	***ENE 0 - 1/8 (0.021 mi.)***	***A24***	***58***
JOHN SHELL Reg Id: 525	***1101 MONTEREY***	***S 0 - 1/8 (0.036 mi.)***	***C39***	***112***
COUNTY GOVERNMENT CE Reg Id: 113	***1050 MONTEREY ST***	***SW 0 - 1/8 (0.086 mi.)***	***E57***	***192***
FORMER FIRESTONE STO Reg Id: 2382	***1001 HIGUERA ST***	***SSW 1/8 - 1/4 (0.136 mi.)***	***I77***	***240***
CHEDA PROOERTY Reg Id: 3262	***1095 MARSH***	***S 1/8 - 1/4 (0.151 mi.)***	***J83***	***253***
ARCO STATION Reg Id: 123	***1001 MARSH***	***S 1/8 - 1/4 (0.173 mi.)***	***L98***	***355***
ARCO STATION Reg Id: 115	***396 SANTA ROSA ST***	***NW 1/4 - 1/2 (0.389 mi.)***	***W170***	***752***
MAGIC WAND CARWASH Reg Id: 417	***1042 OLIVE ST***	***NW 1/4 - 1/2 (0.403 mi.)***	***W171***	***756***
ABANDONED TEXACO (SA Reg Id: 528	***397 SANTA ROSA ST***	***NW 1/4 - 1/2 (0.404 mi.)***	***W172***	***759***
CITY OF SAN LUIS OBI	***748 PISMO STREET***	***SSW 1/4 - 1/2 (0.416 mi.)***	***174***	***769***

Reg Id: 732				
UNOCAL SERVICE STATI	***363 SANTA ROSA ST***	***NW 1/4 - 1/2 (0.430 mi.)***	***W175***	***773***
Reg Id: 824				
VACANT LOT	***641 HIGUERA ST***	***SW 1/4 - 1/2 (0.468 mi.)***	***X179***	***794***
Reg Id: 394				
NIELS SHELL SERVICE	***296 SANTA ROSA***	***NW 1/4 - 1/2 (0.474 mi.)***	***Y181***	***802***
Reg Id: 838				
CHEVRON #9-1216	***254 SANTA ROSA ST***	***NW 1/4 - 1/2 (0.495 mi.)***	***Y185***	***817***
Reg Id: 107				

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the HAZNET list, as provided by EDR, and dated 12/31/2021 has revealed that there is 1 HAZNET site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAN LUIS BAY MOTORS	***1146 MONTEREY ST***	***0 - 1/8 (0.000 mi.)***	***A15***	***37***
GEPAID: CAL000175320				

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 12/07/2022 has revealed that there are 8 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	510 A HATHAWAY	NNW 1/2 - 1 (0.502 mi.)	188	851
Not reported	GRAND AND LOOMIS AVE	NNE 1/2 - 1 (0.620 mi.)	AB190	852
Not reported	GRAND AND LOOMIS AVE	NNE 1/2 - 1 (0.620 mi.)	AB191	852
HELEN HUTCHINSON	1957 HOPE STREET	NNE 1/2 - 1 (0.765 mi.)	193	859
BREEZE GAS & MINI MA	796 FOOTHILL BOULEVA	NW 1/2 - 1 (0.948 mi.)	AE202	891
BREEZE GAS & MINI MA	796 FOOTHILL BOULEVA	NW 1/2 - 1 (0.948 mi.)	AE203	892

Lower Elevation	Address	Direction / Distance	Map ID	Page
JOHN SHELL	***1101 MONTEREY***	***S 0 - 1/8 (0.036 mi.)***	***C39***	***112***
NIPOMO STREET AND SL	NIPOMO STREET	SW 1/4 - 1/2 (0.476 mi.)	X184	817

CERS: The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

A review of the CERS list, as provided by EDR, and dated 01/05/2023 has revealed that there is 1 CERS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SUM OF ALL BACK UP G	AGGREGATED SOURCE	0 - 1/8 (0.000 mi.)	A14	37

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 2 EDR MGP sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PG AND E MANUFACTURE	NEAR DANA AND NIPOMO	SW 1/2 - 1 (0.515 mi.)	Z189	852
PG AND E MANUFACTURE	BLOCK OF PISMO, ARCH	SW 1/2 - 1 (0.808 mi.)	AD199	873

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 8 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
URBAN DEVELOPMENT CO	922 SANTA ROSA	W 0 - 1/8 (0.037 mi.)	D40	128
HESSLERS UNION OIL	1308 MONTEREY ST	NE 0 - 1/8 (0.123 mi.)	G73	235

Lower Elevation	Address	Direction / Distance	Map ID	Page
SIGLER JACK H	1108 MONTEREY ST	SW 0 - 1/8 (0.002 mi.)	A18	52

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
ADAMSKI JOSEPH E	1200 MONTEREY ST	ENE 0 - 1/8 (0.021 mi.)	A23	58
CANOGA PARK OIL CO I	1101 MONTEREY	S 0 - 1/8 (0.036 mi.)	C35	104
SANTA ROSA GULF	1088 HIGUERA	SSW 0 - 1/8 (0.073 mi.)	C47	167
MC CRACKEN CARL D	1136 SANTA ROSA	SSE 0 - 1/8 (0.114 mi.)	F64	209
DONS ARCO	1301 MONTEREY ST	ENE 0 - 1/8 (0.121 mi.)	G66	212

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
G & L INVESTMENT CO	1266 MONTEREY ST	NE 0 - 1/8 (0.092 mi.)	G61	204

Lower Elevation	Address	Direction / Distance	Map ID	Page
KLEENRITE CLEANERS	1115 SANTA ROSA AVE	S 0 - 1/8 (0.091 mi.)	F59	201

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

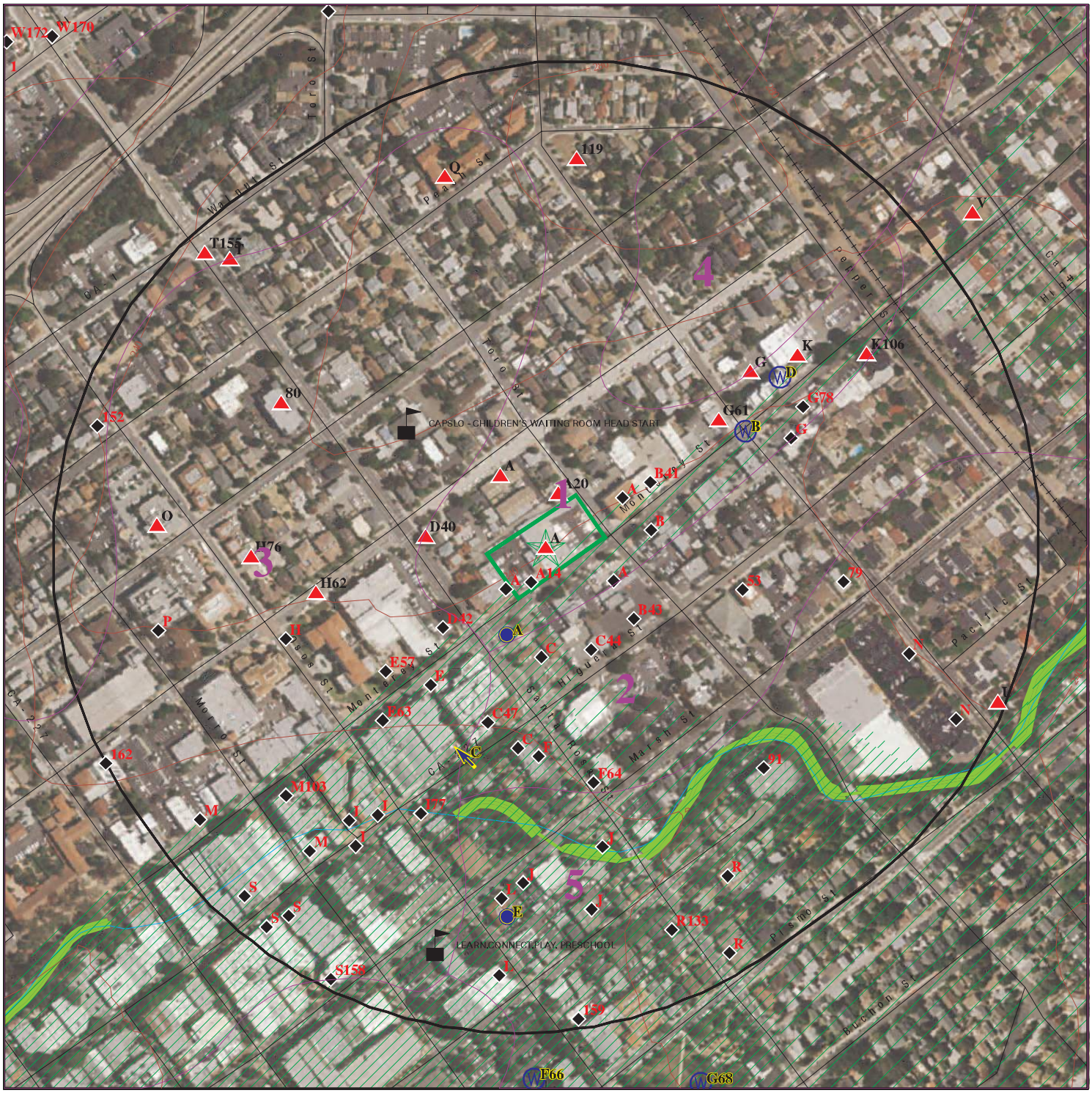
Site Name	Database(s)
CONOCOPHILLIPS PIPELINE - SAN LUIS	CPS-SLIC
TRACT 1259	CPS-SLIC
SAN LUIS OBISPO CREEK DISPOSAL SIT	ENVIROSTOR
HENDERSON PETROLEUM	ENVIROSTOR

OVERVIEW MAP - 7308602.2S

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Site 1 SLO Judicial	CLIENT:	Ecotech Resources
ADDRESS:	1144 Monterey Street San Luis Obispo CA 93408	CONTACT:	Jeff Root
LAT/LONG:	35.283335 / 120.659281	INQUIRY #:	7308602.2s
		DATE:	April 14, 2023 2:31 pm

DETAIL MAP - 7308602.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Site 1 SLO Judicial	CLIENT:	Ecotech Resources
ADDRESS:	1144 Monterey Street San Luis Obispo CA 93408	CONTACT:	Jeff Root
LAT/LONG:	35.283335 / 120.659281	INQUIRY #:	7308602.2s
		DATE:	April 14, 2023 2:34 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	2	NR	NR	NR	2
RCRA-SQG	0.250	1	3	4	NR	NR	NR	8
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		1	0	0	2	NR	3
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		1	0	1	8	NR	10
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500	1	15	8	19	NR	NR	43
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500	1	1	2	2	NR	NR	6
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		3	3	NR	NR	NR	6
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	1	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		1	9	NR	NR	NR	10
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		4	3	NR	NR	NR	7
HIST UST	0.250		9	6	NR	NR	NR	15
CA FID UST	0.250		5	3	NR	NR	NR	8
CERS TANKS	0.250		0	1	NR	NR	NR	1
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		14	30	NR	NR	NR	44
FUDS	1.000		0	0	1	0	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	3	0	NR	NR	NR	NR	3
ECHO	0.001	1	0	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	1	NR	NR	NR	1
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500	1	14	6	15	NR	NR	36
CUPA Listings	0.250		9	35	NR	NR	NR	44
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500	1	5	6	10	NR	NR	22
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	0.001	4	1	NR	NR	NR	NR	5
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		1	0	1	6	NR	8
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001	1	1	NR	NR	NR	NR	2
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
HWTS	TP	5	NR	NR	NR	NR	NR	5
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	2	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		8	NR	NR	NR	NR	8
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001	5	0	NR	NR	NR	NR	5
- Totals --		24	99	119	50	19	0	311

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Appendix G

Phase II Environmental Site Assessment

San Luis Obispo Courthouse

New San Luis Obispo Courthouse
Initial Study / Mitigated Negative Declaration

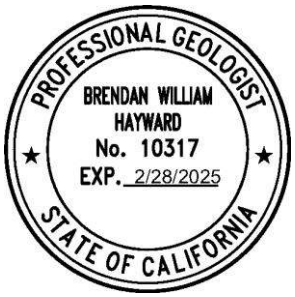
PHASE II ENVIRONMENTAL SITE ASSESSMENT
San Luis Obispo Courthouse
1144 Monterey Street
San Luis Obispo, California

Prepared For:

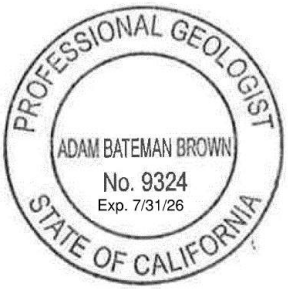
Moore Ruble Yudell
933 Pico Boulevard
Santa Monica, California 90405

Prepared By:

Langan CA, Inc.
1815 Franklin Street, Suite 505
Oakland, California 94612



Brendan Hayward, PG
Project Geologist



Adam Brown, PG
Senior Project Geologist

Peter J. Cusack
Associate Principal/VP

20 December 2024
750680202

LANGAN

Technical Excellence
Practical Experience
Client Responsiveness

20 December 2024

Bob Dolbinski
Moore Ruble Yudell
933 Pico Boulevard
Santa Monica, California 90405
Via email to bdolbinski@mryarchitects.com

Subject: Phase II Environmental Site Assessment
San Luis Obispo Courthouse
1144 Monterey Street
San Luis Obispo, California
Langan Project No.: 750680202

Dear Bob Dolbinski:

Langan CA, Inc. (Langan) has prepared this Phase II Environmental Site Assessment (ESA) for the proposed San Luis Obispo courthouse at 1144 Monterey Street, San Luis Obispo, California (Site). The purpose of this Phase II ESA is to summarize the soil/bedrock, groundwater, and soil vapor sampling and testing results from our August 2024 investigation, assess the potential for residual contamination from historical site uses, evaluate the soil/bedrock data for potential landfill profiling scenarios and off-site disposal during construction, assess the potential for serpentinite and naturally occurring asbestos (NOA) in the soil/bedrock, and evaluate potential vapor intrusion risk from the groundwater and soil vapor testing results. If you have any questions or need any information clarified, please call Adam Brown at (415) 238-6149.

Sincerely yours,
Langan CA, Inc.

PROFESSIONAL GEOLOGIST
BRENDAN WILLIAM HAYWARD
No. 10317
EXP. 2/28/2025
STATE OF CALIFORNIA

Brendan Hayward, PG
Project Geologist

PROFESSIONAL GEOLOGIST
ADAM BATEMAN BROWN
No. 9324
Exp. 7/31/26
STATE OF CALIFORNIA

Adam Brown, PG
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750680202.01 Phase II ESA_SLO Courthouse

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San Luis Obispo Courthouse
San Luis Obispo, California

1.0 INTRODUCTION

Langan CA, Inc. (Langan) has prepared this Phase II Environmental Site Assessment (ESA) on behalf of Moore Ruble Yudell (MRY, Client) for the proposed San Luis Obispo Courthouse project located in San Luis Obispo, California (site, Figure 1). The purpose of this Phase II ESA is to summarize the soil/bedrock, groundwater, and soil vapor sampling and testing results from our August 2024 investigation, assess the potential for residual contamination from historical site uses, evaluate the soil/bedrock data for potential landfill profiling scenarios and off-site disposal during construction, assess the potential for serpentinite and naturally occurring asbestos (NOA) in the soil/bedrock, and evaluate potential vapor intrusion risk from the groundwater and soil vapor testing results. This Phase II ESA includes a summary of the current site and proposed project, site history and previous environmental conditions, Langan's August 2024 subsurface investigation procedures and results, subsurface conditions, and a discussion regarding the quality of the soil/bedrock, groundwater, and soil vapor that may be encountered during construction.

2.0 BACKGROUND

2.1 Site Description

The site is approximately 1.2 acres and occupies the San Luis Obispo County Assessor's Parcel Number (APN): 002-326-021 and is shown on Figure 1. The site is bound by Monterey Palm Alley and a residential property on the northwest, Toro Street on the northeast, Monterey Street on the southeast, and an existing two-story building and a parking lot on the southwest, as shown on Figure 2. The site is an irregular shape with maximum north-south dimensions of approximately 225 feet and east-west dimensions of approximately 350 feet. The central portion of the site is occupied by several one- to two-story commercial buildings surrounded by paved parking lots. The site is currently used as parking and offices for the San Luis Obispo County (Figure 2). The ground surface at the site generally slopes down from northwest to southeast, from approximately Elevation 240 feet in the northwest corner of the site to about Elevation 224 feet in the southeast corner of the site, at an inclination of about 12:1 (horizontal:vertical).

2.2 Project Description

It is our understanding that the proposed project will include the demolition and removal of the existing improvements and construction of a new courthouse on behalf of the Judicial Council of California (JCC). The proposed project is currently planned to include construction of a four story-story, approximately 145,000-square-foot courthouse with a partial basement and surface perimeter parking. Based on conversations with MRY, the criteria architect, and preliminary site fit diagrams[1], we understand that the north side of the courthouse building's ground floor will be cut into the existing topography. It is our understanding that the excavation depths for the ground floor and associated improvements are anticipated to extend up to 14 feet below ground surface (bgs) to accommodate elevator pits, foundation installation, utility trenching and other subsurface features. The lateral extent of the ground floor has not been finalized; however, we understand the entire ground level of the south building face and at least 50-percent of the east and west building faces will daylight at the existing ground surface elevation of Monterey Street to the south and/or Toro Street to the east. We understand that the development will include a gated loading area. A secured parking area and sallyport are proposed at the south-west corner of the property, west of the courthouse building.

2.3 Site History and Environmental Conditions

We have developed the following site history and summary of environmental conditions based on our review of the State Water Resource Control Board's (SWRCB's) GeoTracker database. The site was previously occupied by Monterey Motors and Kimball Motors. The automotive shops included the use of underground storage tanks (USTs) and related subsurface infrastructure (drains, drain lines, hoists, and a clarifier) that either contained or handled petroleum products and chlorinated solvents which resulted in the release of contaminants to the subsurface. Three USTs and related infrastructure associated with the former site use have been previously removed, and the removal activities are discussed further below.

Three USTs associated with Monterey Motors were excavated and removed in 1988 (Figure 2). This included the removal of one 1,000-gallon waste oil UST, one 650-gallon waste oil/solvent UST, and one 1,000-gallon gasoline UST. The City of San Luis Obispo and Central Coast Regional Water Quality Control Board (RWQCB) provided oversight as the regulatory agencies under case number 116[2]. This case was closed after UST removal as of 17 November 1988.

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[1] Moore Ruble Yudell (2023). "New San Luis Obispo Courthouse, Site Selection Presentation."

[2] https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607900021

In 2003, there was an additional excavation to remove four underground hydraulic hoists, a floor drain, clarifier, and 25 feet of associated drain lines from within the existing structure in the northeastern area of the site (Figure 2). The RWQCB and San Luis Obispo County Local Enforcement Agency (LEA) provided oversight as the regulatory agencies under case number 2433[3]. During the removal activities, approximately 80 cubic yards of petroleum and chlorinated solvent impacted soils were removed and disposed off-site. In 2005, eight exploratory borings were installed to inject approximately 400 pounds of Hydrogen Releasing Compounds (HRC) into the groundwater at depths of three to eight feet bgs. In 2014, an additional 77 tons of contaminated soil was removed and disposed off-site, and sodium persulfate and hydrogen solution were added to the bottom of the excavation. Petroleum hydrocarbon contamination in groundwater was observed to be reducing in size and concentration based on the data collected at the time. After a five-year review post remedial activities, the RWQCB closed the petroleum case as of 22 April 2009. Per the closure, the RWQCB, San Luis Obispo County Environmental Health Services (EHS), and the appropriate local planning and building departments must be notified prior to any redevelopment activities. This notification should include a statement regarding the potential for residual soil and groundwater contamination to underlie the property and may underlie nearby properties, as well as a description of the actions necessary (if any) to mitigate possibly contaminated soils or groundwater brought to the surface by these activities and that they are managed appropriately. San Luis Obispo County EHS may require additional site assessment as well as a case review, further remedial action, soil gas sampling and analysis, and/or a human health risk assessment as part of property redevelopment.

Following the excavation and remedial activities associated with the Kimball Motors, groundwater monitoring was conducted at the site between 2009 to 2019. The site is currently managed under RWQCB case number T10000001025[4] and is still undergoing verification monitoring due to concentrations of chlorinated solvents, specifically the volatile organic compound (VOC) vinyl chloride, which are reported to be associated with the removed clarifier.

3.0 PHASE II ESA SUBSURFACE INVESTIGATION

Based on the site history and environmental conditions described above and at the request of MRY and the JCC, Langan performed a Phase II ESA subsurface investigation in August 2024 to evaluate the environmental quality of the soil, soil vapor, and groundwater beneath the site that may be encountered during development. Soil and groundwater samples were collected to

[3] https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607900067

[4] https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000001025

satisfy potential landfill profiling scenarios for off-site disposal and groundwater discharge requirements for dewatering during construction. Soil vapor sampling was also performed to assess the potential vapor intrusion risk at the site in the area of the proposed courthouse.

3.1 Field Coordination

Prior to initiating field activities, Langan marked the site with white paint and notified Underground Service Alert North 811 (USA North) of the proposed subsurface intrusive activities. Langan coordinated with USA North to facilitate that utility providers operating in the vicinity of the site responded and marked their utilities appropriately. In addition, Langan hired a private utility locator, Ground Penetrating Radar Systems, Inc. (GPRS), to scan each of the proposed boring locations to evaluate the potential presence of underground utilities prior to drilling activities. Langan also coordinated with San Luis Obispo County to obtain the necessary drilling permit and site access permit prior to the subsurface investigation.

3.2 Field Investigation

On 22 and 23 August 2024, Langan mobilized to the site with Gregg Drilling, LLC. (Gregg), a California licensed C-57 driller, to complete the subsurface investigation. Seven environmental soil borings (EB-1 through EB-7) were advanced to depths between five and 15 feet bgs, as shown on Figure 2. The two borings located within the building (EB-1 and EB-2) were advanced using a combination of clean stainless-steel hand auger equipment and a limited access direct push drill rig to depths of five feet bgs. Boring locations EB-3 through EB-7 were advanced using a direct push drill rig and soil samples were collected by advancing a continuous 5-foot-long Macro-core soil sampler with an acetate sleeve. Boring EB-5 was advanced to a depth of 15 feet bgs in an attempt to collect a grab groundwater sample; however, groundwater was not encountered in that boring. Boring EB-3 encountered refusal at 8.5 feet bgs due to shallow bedrock. In addition to the seven environmental soil borings, Langan collected environmental soil samples from five geotechnical borings (B-6 through B-10) that were advanced at the site on 22 and 23 August 2024 (Figure 2). The soil borings were visually logged by Langan, in general accordance with the Unified Soil Classification System (USCS), working under the supervision of a California licensed professional geologist. Boring logs from the environmental and geotechnical investigations are presented in Appendix A as Figures A-1 through A-18. The soil and bedrock encountered was classified in accordance with the classification charts on Figure A-19 and A-20.

Discrete soil samples were collected from environmental and geotechnical borings at depths of 1.0, 3.0, 5.0, 7.0, 10.0, and 15.0 feet bgs. For the collection of each soil sample, soil was placed

in laboratory provided glass jars with plastic lids or stainless-steel liners with Teflon sheets covering each end and tight-fitting plastic caps. Soil samples were identified by boring location and depth; for example, a sample collected from boring EB-2 at a depth of two feet was identified as EB-2-2.0. Following collection, the soil samples were placed in an ice-cooled chest for chemical analysis pending delivery to the State of California certified analytical laboratory, McCampbell Analytical, Inc. (McCampbell), located in Pittsburg, California. Samples were delivered under chain-of-custody procedures.

Groundwater was encountered and sampled at one of the seven environmental borings (EB-1) at a depth of five feet bgs. Additional groundwater samples were collected from two existing on-site groundwater monitoring wells (MW-1 and MW-6). Prior to collecting the grab groundwater samples, approximately one gallon of water was purged. Grab groundwater samples were collected directly into laboratory-supplied sample containers using a peristatic pump. The samples were appropriately labeled and stored in an ice-cooled chest until delivery to McCampbell under chain-of-custody procedures.

Three temporary soil vapor probes were installed at borings EB-3, EB-6, and EB-7 (Figure 2). Soil vapor samples (EB-SV-3, EB-SV-6, and EB-SV-7) were collected at a depth of five feet bgs. A duplicate sample (DUP-1) was collected at EB-SV-3. The soil vapor sampling was completed in general accordance with the following Department of Toxic Substances Control (DTSC) guidance documents titled: "*Advisory – Active Soil Gas Investigation,*" dated March 2010; "*Final, Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air*," dated October 2011; and "*Final Draft Supplemental Guidance: Screening and Evaluating Vapor Intrusion*," dated February 2023. The temporary soil vapor probes were installed with 1/8-inch diameter disposable Teflon tubing threaded onto the top of a 1.5-inch long, 3/8-inch diameter nylon soil vapor screen implant. The soil vapor screen implant was surrounded by approximately one-foot of sand filter pack, followed by a one-foot layer of dry bentonite chips. Hydrated bentonite chips were placed above the filter pack up to the ground surface to create a seal around the tubing to prevent ambient air intrusion. Teflon® tubing was attached to the soil vapor probe and fitted with a sealable sample valve/port at the end.

After waiting at least two hours to allow for equilibration, a shut-in test was performed to confirm manifold and sampling assembly integrity prior to soil vapor sample collection. The temporary soil vapor probes were then purged of three well volumes using a syringe. Helium was used as a leak check tracer gas above the borehole during sampling as a quality assurance/quality control (QA/QC) measure to confirm sample integrity. The soil vapor samples were collected into 1.4-liter

stainless steel summa canister using 150 milliliter per minute (ml/min) flow controllers and sealed before delivery under chain of custody protocol to the State of California certified laboratory, Torrent Laboratory, Inc. (Torrent).

Upon completion of the drilling activities, the soil borings and temporary soil vapor probes were properly abandoned using neat cement grout or cement grout with bentonite (in the instance where groundwater was encountered) in accordance with the procedures included in the approved San Luis Obispo County drilling permit. Investigation derived waste (IDW) generated during drilling was containerized in sealed and labeled 55-gallon drums temporarily stored on-site. Langan collected soil samples and one water sample for IDW characterization and off-site disposal. Following collection, the IDW characterization samples were placed in an ice-cooled chest for delivery to McCampbell under chain-of-custody procedures. The IDW drums were later removed from the site by a licensed drum disposal contractor as non-hazardous material.

3.3 Sample Selection and Analytical Testing

The chemical analytical testing schedule was chosen based on the site history and contaminants of concern (COCs), typical waste profiling scenarios generally accepted by landfills, and potential future regulatory requirements.

3.3.1 Soil Testing

Soil samples were analyzed for a combination of some or all of the following compounds listed below:

- Total petroleum hydrocarbons (TPH) as gasoline (TPHg), TPH as diesel (TPHd), and TPH as motor oil (TPHmo) by EPA Method 8015M;
- VOCs by EPA Method 8260D;
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270E;
- Asbestos by California Air Resource Board (CARB) 435 Method;
- Organochlorine pesticides (OCPs) by EPA Method 8081B;
- Polychlorinated biphenyls (PCBs) by EPA Method 8082A;
- pH by EPA Method 9045C;
- California Assessment Manual (CAM) 17 metals by EPA Method 6020; and
- Percent moisture by weight.

Soil samples with total concentrations greater than 10 times the Soluble Threshold Limit Concentration (STLC) were also analyzed for solubility using the California Waste Extraction Test (WET) method. Any Total Threshold Limit Concentration (TTLC) exceeding 20 times the Toxicity Characteristic Leaching Procedure (TCLP) value was submitted for analysis by the Federal TCLP. These analyses were necessary to determine if total and soluble concentrations in soil exceed hazardous waste thresholds.

3.3.2 Groundwater Testing

The grab groundwater samples were analyzed for a combination of some or all of the following compounds listed below to evaluate groundwater quality and vapor intrusion risk, and meet typical sanitary sewer discharge requirements during potential groundwater dewatering:

- TPHg, TPHd, and TPHmo by EPA Method 8015B/M;
- VOCs by EPA Method 8260D;
- Total CAM 17 metals by EPA Method E200.8;
- Dissolved CAM 17 metals by EPA Method E200.8;
- Total Dissolved Solids (TDS) by Method SM2540C;
- Total Suspended Solids (TSS) by EPA Method 2540;
- Ammonia as Nitrogen by EPA Method E350.1; and
- Chloride by EPA Method E300.1.

3.3.3 Soil Vapor Testing

The soil vapor samples were analyzed for the following:

- VOCs by EPA Method TO-15, and
- Fixed gases by ASTM method D1946-90 (for vapor bio-attenuation considerations).

3.4 Laboratory Test Results and Evaluation

The laboratory analytical results are discussed below and summarized on Tables 1 through 6. Copies of the certified analytical laboratory reports are presented in Appendix B. Analytical results were compared to DTSC Screening Levels (SLs) for commercial/industrial land use[5],

[5] DTSC SL: Human Health Risk Assessment (HHRA) Note 3, Commercial/Industrial Screening Levels, Table 1 (soil) and Table 3 (ambient air with an attenuation factor of 0.03), cancer and noncancer values, dated June 2020, revised May 2022.

San Francisco Bay RWQCB Environmental Screening Levels (ESLs) for commercial/industrial land use[6], and State and Federal hazardous waste criteria for landfill disposal considerations. While the site is situated within the jurisdiction of the Central Coast RWQCB, the Central Coast RWQCB Site Cleanup Program does not have their own set of screening levels and refers to the San Francisco Bay RWQCB ESLs to help expedite the identification and evaluation of potential environmental concerns at polluted sites[7]. The San Francisco Bay RWQCB ESLs are conservative screening levels and are used for screening of sites to assess the degree of pollution and the need for further investigation and cleanup. The San Francisco Bay RWQCB ESLs are not intended to be cleanup goals. The San Francisco Bay RWQCB ESLs have been used in this report to evaluate the analytical results from the Phase II ESA performed at the site and provide conclusions regarding the environmental quality of the material that may be encountered during development.

3.4.1 Soil Analytical Results

Soil analytical results for parameters other than metals are summarized in Tables 1 and 2. TPHd was detected above the laboratory reporting limit in seven of the 27 samples analyzed at concentrations ranging from 4.4 milligrams per kilogram (mg/kg) to 180 mg/kg. TPHmo was detected above the laboratory reporting limit in nine of the 27 samples analyzed at concentrations ranging from 15 mg/kg to 560 mg/kg. Low level concentrations of VOCs, SVOCs, PCBs, and OCPs were detected above the laboratory reporting limits in several of the samples analyzed (see Table 1 and 2 for full list). However, none of the TPHd, TPHmo, VOC, SVOC, PCB, or OCP concentrations exceeded the applicable DTSC SLs or RWQCB ESLs. No TPHg or asbestos were detected above laboratory reporting limits in the samples analyzed. The pH was measured in twelve samples between 7.51 and 9.40 standard units (S.U.) and were within normal range.

Soil analytical results for metals are summarized in Table 3. Total chromium was detected at or above the laboratory reporting limits in each of the 38 samples analyzed at concentrations ranging from 20 mg/kg to 3,600 mg/kg. One sample (EB-3-5.0) exceeded the State of California Class I non-Resource Conservation and Recovery Act (RCRA) hazardous waste Total Threshold Limit Concentration (TTLC) of 2,500 mg/kg at a concentration of 3,600 mg/kg. Total chromium was detected at a concentration above 50 mg/kg (10 times the STLC) but below the TTLC in 29 of the

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6 RWQCB ESLs: Soil Direct Exposure Human Health Risk Levels, Shallow Soil Exposure (Table S-1); Groundwater Direct Exposure Human Health Risk Levels (Table GW-1) Maximum Contaminant Level (MCL) Priority; Groundwater Vapor Intrusion Human Health Risk Levels (Table GW-3); Sub-slab/Soil Gas Vapor Intrusion: Human Health Risk Levels (Table SG-1); dated 2019.

7 https://waterboards.ca.gov/centralcoast/water_issues/programs/scp/

38 soil samples analyzed. These soil samples were subsequently analyzed for STLC chromium via the WET method to determine if soluble chromium levels exceed State of California hazardous waste criteria. STLC chromium was detected in 25 of the 29 samples analyzed at concentrations ranging from 0.12 milligrams per liter (mg/L) to 5.5 mg/L. One sample, B-9-1.0, exceeded the State of California Class I non-RCRA hazardous waste STLC criteria of 5 mg/L with a concentration of 5.5 mg/L. Total chromium was detected at concentrations above 100 mg/kg (20 times the TCLP) in 28 of the 38 samples. These samples were subsequently analyzed for TCLP chromium to determine if soluble chromium levels exceed federal hazardous waste criteria. TCLP chromium was not detected above the laboratory reporting limit in the samples analyzed.

Nickel was detected at or above the laboratory reporting limit in each of the 38 samples analyzed at concentrations ranging from 17 mg/kg to 3,100 mg/kg. Two samples (EB-3-5.0 and EB-5-5.0) exceeded the State of California Class I non-RCRA hazardous waste TTLC of 2,000 mg/kg at concentrations of 3,100 mg/kg and 2,100 mg/kg. Nickel was detected at a concentration above 200 mg/kg (10 times the STLC) but below the TTLC in 20 of the 38 soil samples analyzed. These soil samples were subsequently analyzed for STLC nickel via the WET method to determine if soluble nickel levels exceed State of California hazardous waste criteria. STLC nickel was detected in each of the samples analyzed at concentrations ranging from 0.91 mg/L to 5.8 mg/L, none of which exceeded the State of California Class I non-RCRA hazardous waste STLC of 20 mg/L.

Lead was detected at or above the laboratory reporting limit in each of the 38 samples analyzed at concentrations ranging from 0.93 mg/kg to 310 mg/kg. Lead was detected at a concentration above 50 mg/kg (10 times the STLC) but below the TTLC of 1,000 mg/kg in three of the 38 soil samples analyzed. These soil samples were subsequently analyzed for STLC lead via the WET method to determine if soluble lead levels exceed State of California hazardous waste criteria. STLC lead was detected in each of the three samples analyzed at concentrations ranging from 0.65 mg/L to 1.7 mg/L, none of which exceeded the State of California Class I non-RCRA hazardous waste STLC of 5 mg/L. Total lead was detected at concentrations above 100 mg/kg (20 times the TCLP) in one of the 38 samples analyzed. This sample was subsequently analyzed for TCLP lead to determine if soluble lead levels exceed federal hazardous waste criteria. TCLP lead was not detected above the laboratory reporting limit in the sample analyzed.

Selenium was detected at or above the laboratory reporting limit in two of the 38 samples analyzed at concentrations of 1.6 mg/kg to 19 mg/kg. Selenium was detected at a concentration above 10 mg/kg (10 times the STLC) but below the TTLC of 100 mg/kg in one of the 38 soil

samples analyzed (EB-5-1.0). This soil sample was subsequently analyzed for STLC selenium via the WET method to determine if soluble selenium levels exceed State of California hazardous waste criteria. STLC selenium was not detected above laboratory reporting limits in the one sample analyzed. None of the samples analyzed exceeded 20 mg/kg (20 times the TCLP) and therefore no TCLP analyzes were performed.

Arsenic was detected at or above the laboratory reporting limits in each of the 38 samples analyzed. Arsenic concentrations exceeded applicable RWQCB ESLs and DTSC SLs; however, 32 of the 38 samples analyzed were within the typical maximum background concentration of 11 mg/kg, when compared to Kearney Foundation of Soil Science background levels[8]. When compared to the Environmental Resources Management Hookston Station Feasibility Study[9], each of the 38 samples analyzed for arsenic were within the maximum background concentration of 31 mg/kg. A total of seven samples, as shown on Table 3, detected arsenic exceeding RWQCB ESLs/DTSC SLs as well as the Kearney Foundation of Soil Science background level at concentrations ranging from 11 mg/kg to 26 mg/kg. None of the remaining detected metal concentrations exceeded RWQCB ESLs/DSTC SLs. Additional metal concentrations in soil exceeding background levels are shown on Table 3.

In summary, the State of California hazardous waste criteria for chromium was exceeded in samples EB-3-5.0 and B-9-1.0 and the State of California hazardous waste criteria for nickel was exceeded in samples EB-3-5.0 and EB-5-5.0. None of the remaining metal concentrations detected exceeded State of California or Federal hazardous waste criteria.

3.4.2 Groundwater Analytical Results

The groundwater analytical results for non-metals are summarized in Table 4. Vinyl chloride was detected above the RWQCB commercial/industrial vapor intrusion ESL for cancer risk of 0.14 micrograms per liter (µg/L) and MCL priority ESL of 0.5 µg/L at a concentration of 2.4 µg/L in sample MW-6-GW. A total of six other VOCs (see Table 4 for full list) were detected in sample MW-6-GW above their respective reporting limits but below their applicable commercia/industrial vapor intrusion ESLs and MCLs. VOCs were not detected above laboratory reporting limits in EB-1-GW and MW-1-GW. No TPHg, TPHd, or TPHmo was detected above laboratory reporting limits in the groundwater samples analyzed. Chloride, total suspended solids, and total dissolved

[8] Kearney Foundation of Soil Science Division of Agriculture and Natural Resources University of California, Table 3, "Background Concentrations of Trace and Major Elements in California Soils" (March 1996).

[9] Environmental Resources Management. Feasibility Study, Hookston Station, Pleasant Hill, California. Appendix A, Table A-2, "Comparison of Background Concentrations of Metals in Bay Area Soils," July 2006.

solids were detected above the laboratory reporting limit in EB-1-GW at concentrations of 520 mg/L, 11,800 mg/L, and 1,630 mg/L, respectively. Ammonia as nitrogen was not detected above laboratory reporting limit in the sample analyzed.

The groundwater analytical results for total and dissolved metals at EB-1-GW are summarized on Table 5. Nine dissolved metals were detected above their respective laboratory reporting limits at concentrations ranging from 0.74 µg/L (copper) to 440,000 µg/L (sodium). None of the dissolved metal detections exceeded their applicable ESLs.

Ten total metals were detected above their respective laboratory reporting limits at concentrations ranging from 4.4 µg/L (lead) to 56,000 µg/L (sodium). The concentration of cobalt exceeds the MCL of 6 µg/L at a concentration of 7.3 µg/L. None of the remaining total metal detections exceeded their applicable ESLs. The grab groundwater sample (EB-1-GW) exhibited high turbidity and sediment content as indicated by the high TSS concentration, and therefore, particulate matter in the groundwater sample may have biased the total metal concentrations.

3.4.3 Soil Vapor Analytical Results

Soil vapor analytical results are presented in Table 6. Sixteen VOCs were detected above their respective laboratory reporting limits at concentrations ranging from 3.4 micrograms per cubic meter (µg/m^3) to 370 µg/m^3. Benzene was detected at or above the commercial/industrial DTSC vapor intrusion SL for cancer risk and the RWQCB vapor intrusion ESL for cancer risk of 14 µg/m^3 at EB-3-SV at a concentration of 20 µg/m^3 and 14 µg/m^3 in the duplicate sample at EB-3-SV (DUP-1). Naphthalene was detected above the commercial/industrial RWQCB vapor intrusion ESL for cancer risk of 12 µg/m^3 in samples EB-6-SV and EB-7-SV at concentrations of 57 µg/m^3 and 20 µg/m^3, respectively. No laboratory QA/QC issues were observed, and the duplicate sample relative percent difference was within acceptable ranges.

Helium was used as a leak detection gas to evaluate sample integrity. Helium was detected above method detection limits but below laboratory reporting limits, therefore the value is an estimate, at one sample location (EB-6-SV) at 1.0 percent by volume (%V). Oxygen and nitrogen were detected above laboratory reporting limits at each of the four soil vapor samples analyzed at concentrations ranging from 4.2 %V to 20 %V, and 76 %V to 78 %V, respectively. Carbon dioxide was detected above laboratory reporting limits in two of the four samples analyzed at concentrations of 2.8 %V to 4.4 %V. Methane was not detected above the laboratory reporting limit in the samples analyzed.

4.0 GPR UST SURVEY

Based on the site history, Langan subcontracted with Ground Penetrating Radar Systems, Inc. (GPRS) to perform a GPR survey on 22 August 2024 to evaluate the potential presence of USTs beneath the eastern parking lot. GPRS prepared a report, Summary of Scanning for Underground Storage Tanks (USTs), dated 22 August 2024, documenting their findings (Appendix C). GPRS scanned the eastern parking lot in a grid pattern using a 400-megahertz (MHz) GPR antenna, which was able to scan to depths of approximately four to six feet bgs. GPRS also used an electromagnetic pipe locator to passively identify any electromagnetic fields and a magnetometer to detect ferromagnetic objects in the subsurface. Langan observed the GPR survey and documented the findings in the field. One unknown anomaly, which was approximately 11 feet wide and 8 feet long, was detected in the northeastern portion of the site (near one of the former USTs and MW-6) at a depth of approximately 3.5 feet bgs. Based on the GPR survey findings, this anomaly location could potentially be a void that was created by the removal of one of the three former USTs removed in 1988 under the closed Monterey Motors case. The GPR survey could not identify the specific type of anomaly detected, and it could be an unidentified UST, a void, previous building foundation element, or some other subsurface variation. Therefore, Langan recommends that the area be explored using an excavator and hand equipment to identify the GPR anomaly prior to site development. We also recommend that prior to construction the site be pot-holed by an excavator to evaluate the potential presence of USTs or UST related infrastructure to further assess if any buried historical site features remain beneath the site.

5.0 SUBSURFACE CONDITIONS

Subsurface conditions described below are based on the geologic map for the area, material encountered during the 2024 Phase II ESA subsurface investigation, and the 2023 and 2024 geotechnical investigations. Per the United States Geological Survey (USGS) Geologic Map of the San Luis Obispo Quadrangle, the site is underlain by Franciscan Mélange bedrock. The geologic materials that comprise the bedrock consists of Franciscan Mélange shale, sandstone, siltstone, greenstone, and serpentinite. The results of the borings and seismic refraction surveys performed during Langan's geotechnical investigations indicate the site is generally underlain by about two to 24½ feet of soil (likely alluvial deposits), underlain by bedrock. The bedrock surface generally slopes down in elevation from the north and northwest portions of the site toward the south and southeast.

During exploration, the subsurface was observed to generally consist of stiff to very stiff clay with variable amounts of sand and gravel, medium dense to very dense gravel with variable

amounts of clay, silt, and sand, and medium dense to dense sand with variable amounts of clay and gravel. Fill is also present at the former UST locations. It is not known whether the fill at the site was placed in a controlled (compacted) manner. The environmental borings completed within the parking lot areas of the site did not encounter groundwater. Groundwater was observed at boring EB-1 under the existing canopy structure at an approximate depth of about four feet bgs (about Elevation 225.8 feet). Groundwater in the existing monitoring wells (MW-1 and MW-6) was measured to be approximately 3.3 to 3.7 feet bgs (corresponding to about Elevations 225.2 and 225.8 feet, respectively). Historic data from these wells indicates groundwater can be as shallow as about 1.0 to 3.9 feet bgs[10]. Groundwater likely flows within fractures and sand seams in the bedrock, and depending on seasonal changes in rainfall, we anticipate the groundwater could be present at the soil and bedrock contact. Groundwater measurements listed above may not be stabilized readings and further groundwater level measurements will be collected from the geotechnical piezometer installed at the site.

Serpentinite bedrock was visually identified during Langan's investigations at the site in 2023 and 2024. Serpentinite bedrock and serpentinite inclusions were encountered in some of the borings. We understand that remediation work performed at the site in 2014 also encountered serpentinite rock at a depth of about eight feet bgs. Although no asbestos was detected during the Phase II ESA subsurface investigation, naturally occurring asbestos (NOA) is known to be potentially present in serpentinite bedrock. NOA, serpentinite bedrock, and ultramafic rock are regulated by the CARB under the Asbestos Airborne Toxic Control Measure (ATCM).

6.0 DISCUSSION

Based on the results of the Phase II ESA, portions of the site contain chromium and nickel concentrations in soil that exceed State of California Class I non-RCRA hazardous waste criteria. None of the concentrations in soil exceeded Federal Class I RCRA hazardous waste criteria. As shown on Figure 2, the soil near borings B-9, EB-3, and EB-5 that is excavated for off-site disposal during construction activities will be required to be handled as Class I non-RCRA hazardous waste and disposed of at an appropriate hazardous waste disposal facility. Throughout the rest of the site, soil and bedrock can likely be handled and disposed of as Class II non-hazardous material at a regulated landfill disposal facility. We recommend that a soil and bedrock management plan (SMP) be prepared prior to the start of construction to provide the appropriate mitigation measures to handle and dispose of soil and bedrock during construction. The SMP should include

[10] "Post-Remediation Groundwater Monitoring Results, Former Kimball Motors" by Stantec Consulting Engineers, dated 25 March 2015.

the necessary procedures to protect human health and the environment from the concentrations in soil that exceed hazardous waste criteria as well as contingency measures to address the potential for residual petroleum hydrocarbon contamination or UST related subsurface features based on the site history.

Although no asbestos was detected in the samples analyzed, serpentinite has been observed within subsurface material during investigations on-site and is anticipated to be encountered during construction. Therefore, we recommend that during construction and grading activities the project comply with the CARB Asbestos ATCM, which is Title 17 of the California Code of Regulations (17 CCR) Section 93105, for Construction, Grading, Quarrying, and Surface Mining Operations . Langan recommends the preparation of an Asbestos Dust Mitigation Plan (ADMP) prior to the start of construction and grading activities, which should be submitted and approved by the San Luis Obispo County Air Pollution Control District (APCD) before the start of the project. The ADMP will identify best management practices for dust suppression and perimeter monitoring (if required) for the project to remain in compliance with the Asbestos ATCM.

A detailed health and safety plan (HASP) is also recommended for the project due to the chromium and nickel concentrations exceeding State of California hazardous waste criteria and the potential for NOA to be encountered due to the presence of serpentinite. The HASP will outline the health and safety measures to be implemented during the project to protect workers, visitors, and the public from the elevated concentrations in the subsurface. The HASP should recommend training as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" (HAZWOPER) guidelines in accordance with Section 1910.120 of 29 Code of Federal Regulations (CFR). The HASP will evaluate the specific personal hygiene protocols and if personal air monitoring is required for workers.

Based on the results of the groundwater testing, and if groundwater is encountered during construction in quantities that require its removal from the subsurface, it should be properly discharged to the sanitary sewer under permit with the local public works agency or sanitation district. The local permitting agency will determine what amount of pre-treatment will be required prior to discharge based on their acceptance criteria.

The groundwater analytical results indicate that vinyl chloride exceeded the RWQCB vapor intrusion ESL for commercial/industrial land use. In addition, the soil vapor analytical results indicate benzene and naphthalene exceeded commercial/industrial DTSC SLs and RWQCB ESLs

for vapor intrusion. Although some bioattenuation for petroleum concentrations in soil vapor may occur in the vadose zone, the vinyl chloride in groundwater does pose a potential vapor intrusion risk for the future building. Therefore, and based on the potential presence of shallow groundwater during construction, Langan recommends the waterproofing product that is installed directly beneath the new building's foundation and concrete slab also protect against VOCs and vapor intrusion. The waterproofing product should include appropriate diffusion coefficient testing data to support its use as a VOC vapor barrier membrane to mitigate potential vapor intrusion.

Although the GPR survey could not identify the specific type of anomaly detected, it appears possible that the anomaly is related to the void created by the removal of a former UST. However, Langan recommends that the area be explored using an excavator and hand equipment to identify the GPR anomaly prior to site development. We also recommend that prior to construction the site be pot-holed by an excavator to evaluate the potential presence of USTs or UST related infrastructure to further assess if any buried historical site features remain beneath the site.

Based on our review of the SWRCB's GeoTracker database cases for the site, the RWQCB, San Luis Obispo County EHS, and the appropriate local planning and building departments must be notified prior to any redevelopment activities. The RWQCB and San Luis Obispo County EHS may require additional sampling and testing or further remediation to address the environmental impacts beneath the site.

7.0 LIMITATIONS

Descriptions of specific field activities and historical events are based on our observations and on information provided by others. The opinions and information presented in this report apply to site conditions and the information that was available at the time the work was performed and do not apply to changes of which we are not aware or have not had the opportunity to evaluate. Langan makes no guarantees or warranties with respect to the accuracy or completeness of this information. Additional environmental sampling, testing, reporting, or remediation may be required by the regulatory agencies prior to and during development.

REFERENCES

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TABLES

Table 1
Soil Analytical Results - Non-Metals
San Luis Obispo Courthouse
1144 Monterey Street
San Luis Obispo, California

Sample ID	Sample Depth	Date Sampled	TPHg	TPHd	TPHmo	VOCs				All Other VOCs	PCBs	Total PCBs	OCPs				All Other OCPs	pH	Asbestos	Percent Moisture
						Toluene	1,2,4-Trimethylbenzene	m,p-Xylene	Xylenes (Total)		Aroclor 1260		g-Chlordane	p,p-DDE	p,p-DDT	Endrin aldehyde				
			(mg/kg)															pH units	%	
EB-1-1.0	1.0	08/22/24	< 1	< 2.3	< 12	< 0.0058	< 0.0058	< 0.0058	< 0.0058	ND	< 0.0058	< 0.0058	< 0.00012	< 0.00012	< 0.00012	< 0.00012	ND	9.40	< 0.25, k10	13.5
EB-1-5.0	5.0	08/22/24	<1	< 2.4	< 12	--	--	--	--	--	--	--	--	--	--	--		--	< 0.25, k10	18.2
EB-2-3.0	3.0	08/22/24	< 1 G	180	560	< 0.0061	< 0.0061	< .00061	< 0.0061	ND	< 0.0061	< 0.0061	< 0.00012	< 0.00012	< 0.00012	< 0.00012	ND	8.09	< 0.25, k10	17.7
EB-2-5.0	5.0	08/22/24	< 1 G	53	150	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.25, k10	15.5
EB-3-1.0	1.0	08/23/24	< 1	10	170	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.25, k10	19.6
EB-3-3.0	3.0	08/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12.6
EB-3-5.0	5.0	08/23/24	< 1	< 2.5	< 12	< 0.0061	< 0.0061	< 0.0061	< 0.0061	ND	< 0.0061	< 0.0061	< 0.00012	< 0.00012	< 0.00012	< 0.00012	ND	8.30	< 0.25, k10	18.5
EB-3-7.0	7.0	08/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.7
EB-3-8.5	8.5	08/23/24	< 1	< 2.1	< 11	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.25, k10	5.51
EB-4-1.0	1.0	08/23/24	< 1	29	550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20.3
EB-4-3.0	3.0	08/23/24	< 1	< 2.8	< 14	--	--	--	--	--	--	--	--	--	--	--	--	--		27.5
EB-4-5.0	5.0	08/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19.9
EB-4-7.0	7.0	08/23/24	< 1	< 2.6	< 13	< 0.0066	< 0.0066	< 0.0066	< 0.0066	ND	0.047 A	0.047	< 0.00013	< 0.00013	0.0047	0.00042	ND	7.90	< 0.25, k10	24.2
EB-5-1.0	1.0	08/22/24	< 1	< 2.3	< 12	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.25, k10	14.8
EB-5-3.0	3.0	08/22/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25.0
EB-5-5.0	5.0	08/22/24	< 1	< 3.1	< 15	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.25, k10	34.6
EB-5-7.0	7.0	08/22/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.6
EB-5-10.0	10.0	08/22/24	< 1	< 2.2	< 11	< 0.0055	< 0.0055	< 0.0055	< 0.0055	ND	< 0.0055	< 0.0055	< 0.00011	< 0.00011	< 0.00011	< 0.00011	ND	8.43	< 0.25, k10	8.46
EB-6-1.0	1.0	08/23/24	< 1	18	180	0.13	< 0.0056	0.012	0.012	ND	< 0.0056	< 0.0056	0.00011	< 0.00011	< 0.00011	< 0.00011	ND	7.91	< 0.25, k10	10.6
EB-6-3.0	3.0	08/23/24	< 1	< 2.4	21	< 0.0059	0.011	< 0.0059	< 0.0059	ND	< 0.0059	< 0.0059	< 0.00012	0.00015	< 0.0012	< 0.00012	ND	8.77	--	15.4
EB-6-5.0	5.0	08/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21.1
EB-6-7.0	7.0	08/23/24	< 1	< 2.2	< 11	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.25, k10	9.82
EB-7-1.0	1.0	08/23/24	< 1	< 2.6	< 13	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.25, k10	22.7
EB-7-5.0	5.0	08/23/24	< 1	< 2.2	< 11	< 0.0055	< 0.0055	< 0.0055	< 0.0055	ND	< 0.0055	< 0.0055	< 0.00011	< 0.00011	< 0.00011	< 0.00011	ND	8.39	< 0.25, k10	8.30
B-6-1	1.0	08/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16.4
B-6-3	3.0	08/23/24	< 1	37	400	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.25, k10	14.5
B-7-1	1.0	08/22/24	< 1	< 2.5	15	< 0.0063	< 0.0063	< 0.0063	< 0.0063	ND	< 0.0063	< 0.0063	< 0.00013	< 0.00013	< 0.00013	< 0.00013	ND	8.45	< 0.25, k10	20.6
B-7-5	5.0	08/22/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	29.6
B-7-10	10.0	08/22/24	< 1	< 2.2	< 11	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.25, k10	10.0
B-8-1	1.0	08/22/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	23.3
B-8-3	3.0	08/22/24	< 1	< 2.4	< 12	< 0.0061	< 0.0061	< 0.0061	< 0.0061	ND	< 0.0061	< 0.0061	< 0.00012	< 0.00012	< 0.00012	< 0.00012	ND	8.73	< 0.25, k10	17.4
B-8-5	5.0	08/22/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22.2
B-8-7	7.0	08/22/24	< 1	< 2.2	< 11	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.25, k10	8.83
B-9-1	1.0	08/23/24	< 1	4.4	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18.4
B-9-3	3.0	08/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21.9
B-9-5	5.0	08/23/24	< 1	< 2.4	< 12	< 0.0060	< 0.0060	< 0.0060	< 0.0060	ND	< 0.0060	< 0.0060	< 0.00012	< 0.00012	< 0.00012	< 0.00012	ND	8.01	< 0.25, k10	16.7
B-10-1	1.0	08/22/24	< 1	< 2.6	< 13	< 0.0065	< 0.0065	< 0.0065	< 0.0065	ND	< 0.0065	< 0.0065	< 0.00013	< 0.00013	0.00029	< 0.00013	ND	7.51	< 0.25, k10	23.4
B-10-5	5.0	08/22/24	< 1	< 2.9	< 15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	31.4
DTSC Screening Levels[1]																				
Commerical/Industrial - Cancer			--	--	--	--	--	--	--	Various	0.6	0.58	6.1	9.3	7.1	--	Various	--	--	--
Commercial/Industrial - Noncancer			--	500	18,000	5,300	--	--	--	Various	--	--	360	340	430	--	Various	--	--	--
RWQCB Screening Levels[2]																				
Commercial/Industrial - Cancer			--	--	--	--	--	--	--	Various	--	0.94	2.2	8.3	8.5	--	Various	--	--	--
Commercial/Industrial - Noncancer			2,000	1,200	180,000	5,300	--	--	2,500	Various	--	--	500	--	520	--	Various	--	--	--

Table 1
Soil Analytical Results - Non-Metals
San Luis Obispo Courthouse
1144 Monterey Street
San Luis Obispo, California

Notes:
TPHg - Total Petroleum Hydrocarbons as Gasoline, EPA Method 8015M
TPHd - Total Petroleum Hydrocarbons as Diesel, EPA Method 8015M
TPHmo - Total Petroleum Hydrocarbons as Motor Oil, EPA Method 8015M
VOCs - Volatile Organic Compounds, EPA Method 8260D, non detect reporting limits ranged from 0.00012 mg/kg to 0.13 mg/kg
OCPs - Organochlorine Pesticides, EPA Method 8081B, non detect reporting limits ranged from 0.00011 mg/kg to 0.013 mg/kg
PCBs - Polychlorinated Biphenyls, EPA Method 8082A
DDE - Dichlorodiphenyldichloroethylene
DDT - dichlorodiphenyltrichloroethane
k10 - CARB 435 Exception 1 - No asbestos detected. The limit of quantitation (LOQ) = 0.25%.
A - The reported value is determined using a "single point" calibration by GC-ECD as allowed by the method
G - Results in the gasoline organics range are primarily due to overlap from a diesel range product
-- - Sample not analyzed or criteria not established
< 1.1 - Analyte was not detected at or above the laboratory reporting limit
mg/kg - milligrams per kilogram
ND - not detected above the laboratory reporting limit
[1] - Department of Toxic Substances Control (DTSC) Human Health Risk Assessment (HHRA) Note 3, Commercial/Industrial Screening Levels, cancer and noncancer values, dated June 2020, revised May 2022.
[2] - San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs), Direct Exposure Human Health Risk Levels (Table S-1), cancer and noncancer values, Commercial/Industrial: Shallow Soil Exposure, dated 2019

Table 2
Soil Analytical Results - Semi-Volatile Organic Compunds
San Luis Obispo Courthouse
1144 Monterey Street
San Luis Obispo, California

Sample ID	Date Sampled	Date Sampled	SVOCs													All other SVOCs
			Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Bis(2-ethylhexyl) Phthalate	Chrysene	Dibenzo (a,h) anthracene	Fluoran thene	Indeno (1,2,3-cd) pyrene	1-Methylnaph thalene	2-Methylnaph thalene	Phenan threne	Pyrene	
			(mg/kg)													
EB-1-1.0	1.0	08/22/24	< 0.0015	< 0.0029	< 0.0029	< 0.0029	< 0.072	< 0.0015	< 0.0029	< 0.0029	< 0.0029	< 0.0015	< 0.0015	< 0.0015	< 0.0015	ND
EB-2-3.0	3.0	08/22/24	< 0.0016	< 0.0030	< 0.0030	< 0.0030	0.078 B	< 0.0016	< 0.0030	0.0040	< 0.0030	< 0.0016	< 0.0016	< 0.0016	0.0033	ND
EB-3-5.0	5.0	08/23/24	< 0.0016	< 0.0031	< 0.0031	< 0.0031	< 0.076	< 0.0016	< 0.0031	< 0.0031	< 0.0031	< 0.0016	< 0.0016	< 0.0016	< 0.0016	ND
EB-4-7.0	7.0	08/23/24	0.0029 B	0.0044 B	0.0037 B	< 0.0033	< 0.082	< 0.0017	0.0036	< 0.0033	0.0040 B	< 0.0017	< 0.0017	< 0.0017	< 0.0017	ND
EB-5-10.0	10.0	08/22/24	0.011	0.0095 B	0.012 B	0.0032	< 0.068	0.0016	< 0.0027	0.0033	0.0038 B	< 0.0014	< 0.0014	0.0026	0.012	ND
EB-6-1.0*	1.0	08/23/24	< 0.073	< 0.13	< 0.13	< 0.13	< 3.5	< 0.073	< 0.13	< 0.13	< 0.13	< 0.073	< 0.073	< 0.073	< 0.073	ND
EB-6-3.0	3.0	08/23/24	0.0087	< 0.014	0.014	< 0.014	< 0.37	0.0077	< 0.014	< 0.014	< 0.014	0.015	0.014	0.011	< 0.0077	ND
EB-7-5.0	5.0	08/23/24	< 0.0014	< 0.0027	< 0.0027	< 0.0027	< 0.068	< 0.0014	< 0.0027	0.0029	< 0.0027	< 0.0014	< 0.0014	0.0068	0.0021	ND
B-7-1	1.0	08/22/24	< 0.0016	< 0.0031	< 0.0031	< 0.0031	< 0.078	< 0.0016	< 0.0031	< 0.0031	< 0.0031	< 0.0016	< 0.0016	< 0.0016	< 0.0016	ND
B-8-3	3.0	08/22/24	0.0017 B	< 0.0030	< 0.0030	< 0.0030	< 0.075	< 0.0016	< 0.0030	< 0.0030	< 0.0030	< 0.0016	< 0.0016	< 0.0016	< 0.0016	ND
B-9-5	5.0	08/23/24	< 0.0016	< 0.0030	< 0.0030	< 0.0030	< 0.074	< 0.0016	< 0.0030	< 0.0030	< 0.0030	< 0.0016	< 0.0016	< 0.0016	< 0.0016	ND
B-10-1	1.0	08/22/24	0.014	0.013 B	0.011 B	0.0068	< 0.081	0.0077	0.0051	0.013	0.0086 B	< 0.0017	< 0.0017	0.0035	0.011	ND
DTSC Screening Levels[1]																
Commerical/Industrial - Cancer			1.3	13	--	130	110	1,300	0.31	--	13	30	--	--	--	Various
Commercial/Industrial - Noncancer			130	--	--	--	11,000	--	--	18,000	--	22,000	1,300	--	13,000	Various
RWQCB Screening Levels[2]																
Commerical/Industrial - Cancer			2.1	21	--	210	160	2,100	2.1	--	21	--	--	--	--	Various
Commercial/Industrial - Noncancer			220	--	--	--	16,000	--	--	30,000	--	--	3,000	--	23,000	Various

Notes:

SVOCs - Semi-Volatile Organic Compounds, EPA Method 8270E, non detect reporting limits ranged from 0.0013 mg/kg to 6.2 mg/kg

-- - Sample not analyzed or criteria not established

< 1.0 - Analyte was not detected at or above the laboratory reporting limit

B - Analyte detected in the associated Method Blank at a concentration greater than 1/10 the reported sample result.

mg/kg - milligrams per kilogram

* - sample was analyzed out of hold time

ND - not detected above the laboratory reporting limit

[1] - Department of Toxic Substances Control (DTSC) Human Health Risk Assessment (HHRA) Note 3, Table 1 - Commercial/Industrial Screening Levels for Soil, cancer and noncancer values, dated June 2020, revised May 2022.

[2] - San Francisco Bay Regional Water Quality Control Board Environmental (RWQCB) Environmental Screening Levels (ESLs), Direct Exposure Human Health Risk Levels (Table S-1), cancer and noncancer values, Commercial/Industrial: Shallow Soil Exposure, dated 2019

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Table 3
Soil Analytical Results - Metals
San Luis Obispo Courthouse
1144 Monterey Street
San Luis Obispo, California

Sample ID	Sample Depth	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	STLC Chromium	TCLP Chromium	Cobalt	Copper	Lead	STLC Lead	TCLP Lead	Mercury	Molybdenum	Nickel	STLC Nickel	Selenium	STLC Selenium	Silver	Thallium	Vanadium	Zinc
			(mg/kg)						(mg/L)		(mg/kg)			(mg/L)		(mg/kg)			(mg/L)	(mg/kg)	(mg/L)	(mg/kg)			
EB-1-1.0	1.0	08/22/24	< 0.58	2.3	44	< 0.58	< 0.58	20	–	–	2.7	5.8	2.5	–	–	< 0.058	< 0.58	17	–	< 0.58	–	< 0.58	< 0.58	18	15
EB-1-5.0	5.0	08/22/24	< 0.61	8.4	130	0.86	< 0.61	45	–	–	18	79	17	–	–	0.097 B	0.81 B	60	–	< 0.61	–	< 0.61	< 0.61	57	92
EB-2-3.0	3.0	08/22/24	1.2	7.4	190	< 0.61	1.2	330	0.12	< 0.10	67	47	5.6	–	–	< 0.061	1.8	670	2.9	< 0.61	–	< 0.61	< 0.61	100	91
EB-2-5.0	5.0	08/22/24	0.73	2.4	110	< 0.59	< 0.59	600	0.24	< 0.10	17	30	3.7	–	–	0.13 B	1.4	520	1.9	< 0.59	–	< 0.59	< 0.59	63	65
EB-3-1.0	1.0	08/23/24	0.75	6.7	150	< 0.62	< 0.62	200	0.25	< 0.10	22	42	14	–	–	< 0.062	1.4	150	–	< 0.62	–	< 0.62	< 0.62	88	40
EB-3-3.0	3.0	08/23/24	< 0.57	3.5	45	< 0.57	< 0.57	210	0.25	< 0.10	13	25	5	–	–	< 0.057	0.58	180	–	< 0.57	–	< 0.57	< 0.57	63	30
EB-3-5.0	5.0	08/23/24	< 0.61	3.8	110	< 0.61	2.0	**3,600**	–	< 0.10	79	67	2.8	–	–	0.072 B	< 0.61	**3,100**	–	< 0.61	–	< 0.61	< 0.61	93	66
EB-3-7.0	7.0	08/23/24	0.80	2.2	50	< 0.59	0.73	220	0.12	< 0.10	14	28	4.3	–	–	0.14	< 0.59	410	3.1	< 0.59	–	< 0.59	< 0.59	52	64
EB-3-8.5	8.5	08/23/24	0.70	8.3	110	0.55	< 0.53	49	–	–	13	24	9.9	–	–	< 0.053	0.61 B	140	–	< 0.53	–	< 0.53	< 0.53	69	68
EB-4-1.0	1.0	08/23/24	< 0.63	1.6	110	< 0.63	< 0.63	160	0.29	< 0.10	35	120	2.5	–	–	< 0.063	1.1 B	180	–	< 0.63	–	< 0.63	< 0.63	140	69
EB-4-3.0	3.0	08/23/24	< 0.69	2.6	97	< 0.69	0.77	220	0.18	< 0.10	17	26	4.0	–	–	< 0.069	0.77 B	300	2.7	< 0.69	–	< 0.69	< 0.69	73	86
EB-4-5.0	5.0	08/23/24	1.1	8.2	95	< 0.62	0.87	170	0.17	< 0.10	44	35	4.7	–	–	< 0.062	0.87	290	1.4	< 0.62	–	< 0.62	< 0.62	61	62
EB-4-7.0	7.0	08/23/24	1.2	8.2	120	< 0.66	1.0	220	< 0.10	< 0.10	21	45	5.7	–	–	< 0.066	3.3	370	3.1	< 0.66	–	< 0.66	< 0.66	96	86
EB-5-1.0	1.0	08/22/24	1.8	20	140	0.62	1.4	210	0.30	< 0.10	20	50	14	–	–	0.067 B	12	390	1.5	19	< 0.10	< 0.59	< 0.59	100	110
EB-5-3.0	3.0	08/22/24	1.9	15	160	0.67	1.2	400	0.30	< 0.10	27	47	8	–	–	< 0.067 H	2.9	480	2	< 0.67	–	< 0.67	< 0.67	130	69
EB-5-5.0	5.0	08/22/24	1.8	6.1	290	< 0.76	1.5	2,000	0.56	< 0.10	280	67	4.0	–	–	0.090 B	3.8	**2,100**	–	< 0.76	–	< 0.76	< 0.76	80	120
EB-5-7.0	7.0	08/22/24	0.83	9.6	330	< 0.59	< 0.59	34	–	–	19	57	14	–	–	< 0.059 H	0.90	200	1.6	< 0.59	–	< 0.59	< 0.59	49	91
EB-5-10.0	10.0	08/22/24	0.96	8.9	100	0.55	< 0.55	32	–	–	13	32	8.7	–	–	0.12 B	< 0.55	40	–	< 0.55	–	< 0.55	< 0.55	43	66
EB-6-1.0	1.0	08/23/24	< 0.56	1.8	110	< 0.56	< 0.56	170	< 0.10	< 0.10	38	130	18	–	–	0.094 B	< 0.56	180	–	< 0.56	–	< 0.56	< 0.56	150	75
EB-6-3.0	3.0	08/23/24	0.74	6.6	560	< 0.59	0.86	220	0.25	< 0.10	32	85	22	–	–	0.11 B	1.1 B	390	1.1	< 0.59	–	< 0.59	< 0.59	110	110
EB-6-5.0	5.0	08/23/24	1.2	11	320	< 0.63	3.0	240	0.37	< 0.10	160	49	24	–	–	< 0.063	2.2	910	0.91	< 0.63	–	< 0.63	0.80	67	80
EB-6-7.0	7.0	08/23/24	2.0	26	72	0.75	< 0.55	32	–	–	18	47	23	–	–	0.26 B	1.0 B	52	–	< 0.55	–	< 0.55	< 0.55	50	90
EB-7-1.0	1.0	08/23/24	1.4	8.2	190	< 0.65	0.89	670	0.35	< 0.10	39	50	5.0	–	–	0.11	1.8	660	4.5	< 0.65	–	< 0.65	< 0.65	91	82
EB-7-5.0	5.0	08/23/24	< 0.55	4.0	160	< 0.55	< 0.55	110	< 0.10	< 0.10	26	130	0.93	–	–	< 0.055	< 0.55	140	–	< 0.55	–	< 0.55	< 0.55	210	52
B-6-1	1.0	08/23/24	1.3	4.2	69	< 0.60	< 0.60	260	0.61	< 0.10	7.3	44	28	–	–	0.13	1.6	140	–	< 0.60	–	< 0.60	< 0.60	110	130
B-6-3	3.0	08/23/24	< 0.58	3.5	130	< 0.58	< 0.58	130	0.45	< 0.10	20	56	54	1.7	–	0.11	1.1	130	–	< 0.58	–	< 0.58	< 0.58	50	84
B-7-1	1.0	08/22/24	1.2	13	230	0.71	1.1	440	0.33	< 0.10	34	43	13	–	–	0.13	1.2	500	1.2	< 0.63	–	< 0.63	< 0.63	96	69
B-7-5	5.0	08/22/24	1.1	16	170	0.75	< 0.71	57	0.23	–	21	78	12	–	–	< 0.071 H	1.2	380	4.1	< 0.71	–	< 0.71	< 0.71	78	100
B-7-10	10.0	08/22/24	0.58	10	82	0.70	< 0.56	62	< 0.10	–	14	57	11	–	–	0.069	0.92	97	–	< 0.56	–	< 0.56	< 0.56	62	92

Table 3
Soil Analytical Results - Metals
San Luis Obispo Courthouse
1144 Monterey Street
San Luis Obispo, California

Sample ID	Sample Depth	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	STLC Chromium	TCLP Chromium	Cobalt	Copper	Lead	STLC Lead	TCLP Lead	Mercury	Molybdenum	Nickel	STLC Nickel	Selenium	STLC Selenium	Silver	Thallium	Vanadium	Zinc
			(mg/kg)						(mg/L)		(mg/kg)			(mg/L)		(mg/kg)			(mg/L)	(mg/kg)	(mg/L)	(mg/kg)			
B-8-1	1.0	08/22/24	0.76	4.3	300	< 0.65	< 0.65	370	0.31	< 0.10	33	42	18	–	–	0.096	0.65	690	5.8	< 0.65	–	< 0.65	< 0.65	86	73
B-8-3	3.0	08/22/24	1.3	8.6	280	< 0.61	1.1	790	0.23	< 0.10	93	52	6.7	–	–	0.15	1.2	910	4.2	< 0.61	–	< 0.61	< 0.61	98	88
B-8-5	5.0	08/22/24	< 0.64	6.9	110	0.96	< 0.64	40	–	–	7.1	51	6.6	–	–	0.19 H	< 0.64	120	–	< 0.64	–	< 0.64	< 0.64	64	87
B-8-7	7.0	08/22/24	0.56	9.8	49	0.57	< 0.55	29	–	–	11	27	11	–	–	0.084	< 0.55	38	–	< 0.55	–	< 0.55	< 0.55	44	68
B-9-1	1.0	08/23/24	0.82	5.4	160	< 0.61	0.83	180	**5.5**	< 0.10	23	45	310	1.0	< 0.10	0.37	1.0	130	–	< 0.61	–	< 0.61	< 0.61	75	64
B-9-3	3.0	08/23/24	0.69	6.5	150	0.85	< 0.64	320	3.2	< 0.10	26	44	15	–	–	0.099 H	1.5	310	3.9	< 0.64	–	< 0.64	< 0.64	110	61
B-9-5	5.0	08/23/24	0.74	3.7	140	0.68	< 0.60	300	0.20	< 0.10	22	36	7.8	–	–	< 0.060	0.96	340	2.1	< 0.60	–	< 0.60	< 0.60	82	82
B-10-1	1.0	08/22/24	0.97	5.5	200	< 0.65	0.80	250	0.51	< 0.10	31	46	52	0.65	–	0.73	1.3	340	4.1	< 0.65	–	< 0.65	< 0.65	69	85
B-10-5	5.0	08/22/24	1.6	14	230	< 0.73	1.3	1,100	0.29	< 0.10	61	77	9.2	–	–	0.17	2.6	1,100	3.8	1.6	–	< 0.73	< 0.73	120	100
Hazardous Waste Criteria																									
TTLC			500	500	10,000	75	100	2,500	–	–	8,000	2,500	1,000			20	3,500	2,000		100		500	700	2,400	5,000
STLC			15	5	100	0.75	1	–	5	–	80	25	–	5	–	0.2	350	–	20	–	1	5	7.0	24	250
TCLP			–	5	100	–	1	–	–	5	–	–	–	–	5	0.2	–	–		1		5	–	–	–
DTSC Screening Levels[1]																									
Commerical/Industrial - Cancer			–	0.36	–	6,900	4,000	–	–	–	–	–	–	–	–	–	–	64,000	–	–	–	–	–	–	–
Commercial/Industrial - Noncancer			–	4.2	–	230	79	–	–	–	–	–	500	–	–	4.4	–	11,000	–	–	–	–	–	–	–
RWQCB Screening Levels[2]																									
Commercial/Industrial - Cancer			–	0.31	–	6,900	4,000	–	–	–	1,900	–	380	–	–	–	–	64,000	–	–	–	–	–	–	–
Commercial/Industrial - Noncancer			160	3.6	220,000	230	1,100	–	–	–	350	47,000	320	–	–	190	5,800	11,000	–	5,800	–	5,800	12	5,800	350,000
Background Metal Concentrations																									
Hookston Station[3]			1.5-7.1	1.2-31	41-411	0.29-1.1	0.27-3.3	10-142	–	–	6.5-25.5	5.4-100	4.8-65	–	–	0.07-0.6	0.33-11.4	16-144	–	< 0.25-7	–	0.2-2.2	< 0.25-42.5	22-90	33-282
Kearney[4]			0.15-1.95	0.6-11	133-1,400	0.25-2.7	0.05-1.7	23-1,579	–	–	2.7-46.9	9.1-96.4	12.4-97.1	–	–	0.05-0.90	0.1-9.6	9-509	–	0.015-0.43	–	0.1-8.3	9.8-36.2	75-288	133-236

Notes:
< 0.54 - Analyte was not detected at or above the laboratory reporting limit
– - Sample not analyzed or criteria not established
DTSC - Department of Toxic Substance Control
RWQCB - Regional Water Quality Control Board
mg/kg - milligrams per kilogram
mg/L - milligrams per Liter
B - Analyte detected in the associated Method Blank at a concentration greater than 1/10 the reported sample result.
H - sample was analyzed out of hold time
STLC - California Soluble Threshold Limit Concentration
TCLP - Federal Toxicity Characteristic Leaching Procedure
TTLC - California Total Threshold Limit Concentration
[1] - DTSC Human Health Risk Assessment (HHRA) Note 3, Commercial/Industrial Screening Levels, cancer and noncancer values, dated June 2020, revised May 2022.
[2] - San Francisco Bay Regional Water Quality Control Board Environmental (RWQCB) Environmental Screening Levels (ESLs), Direct Exposure Human Health Risk Levels (Table S-1), cancer and noncancer values, Commercial/Industrial: Shallow Soil Exposure, dated 2019
[3] - Environmental Resources Management. Feasibility Study, Hookston Station, Pleasant Hill, California. Appendix A, Table A-2, "Comparison of Background Concentrations of Metals in Bay Area Soils," July 2006.
[4] - Kearney Foundation of Soil Science Division of Agriculture and Natural Resources University of California, Table 3, "Background Concentrations of Trace and Major Elements in California Soils" (March 1996).

Concentration exceeds RWQCB ESLs/DTSC Screening Levels and Background Metal Concentrations
Concentration exceeds Background Metal Concentrations
Concentration exceeds California TTLC or STLC

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Table 4
Groundwater Analytical Results - Non-metals
San Luis Obispo Courthouse
1144 Monterey Street
San Luis Obispo, California

Sample ID	Date Sampled	TPHg	TPHd	TPHmo	VOCs							All other VOCs	Ammonia as Nitrogen	Chloride	TSS	TDS
					Chlorobenzene	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2,-Dichloroethene	1,2-Dichloropropane	TCE	Vinyl Chloride					
		(ug/L)											(mg/L)			
EB-1-GW	8/22/2024	< 100	< 100	< 500	< 0.50	< 0.010	< 0.50	< 0.50	< 0.10	< 0.10	< 0.0050	ND	< 0.10	520	11,800	1,630
MW-1-GW	8/23/2024	< 100	< 100	< 500	< 0.50	< 0.010	< 0.50	< 0.50	< 0.10	< 0.10	< 0.0050	ND	--	--	--	--
MW-6-GW	8/23/2024	<100	< 100	< 500	2.2	0.025	2.0	0.51	1.9	0.34	**2.4**	ND	--	--	--	--
RWQCB ESLs[1]																
Commercial - Cancer		--	--	--	--	--	--	--	10	7.5	0.14	Various	--	--	--	--
Commercial - Noncancer		--	--	--	1,700	280	210	920	150	22	400	Various	--	--	--	--
MCL Priority		760	200	--	70	6	6	10	5	5	0.5	Various	--	--	--	--

Notes:
-- - No standard
< 1.0 - Analyte was not detected at or above the laboratory reporting limit values
ESLs - Environmental Screening Levels
MCL - Maximum Contaminant Level
mg/L - milligrams per liter
ug/L - micrograms per liter
ND - Not detected above laboratory reporting limits
RWQCB - Regional Water Quality Control Board
TPHg - Total Petroleum Hydrocarbons as Gasoline, EPA Method 8015M
TPHd - Total Petroleum Hydrocarbons as Diesel, EPA Method 8015M
TPHmo - Total Petroleum Hydrocarbons as Motor Oil, EPA Method 8015M
VOCs - Volatile Organic Compounds, EPA Method 8260D
TDS - Total dissolved solids
TSS - Total suspended solids
TCE - trichloroethene
[1] - San Francisco Bay RWQCB Groundwater Vapor Intrusion Human Health Risk Levels - Commercial/Industrial ESLs, Cancer Risk and Noncancer Hazard Values and Groundwater Direct Exposure Human Health Risk Levels MCL Priority ESLs (2019)

Exceedance Summary:
10 - Result exceeds RWQCB ESL for Vapor Intrusion, Cancer Risk

Table 5
Groundwater Analytical Results - Metals
San Luis Obispo Courthouse
1144 Monterey Street
San Luis Obispo, California

Sample ID	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
		(ug/L)																	
Metals - Dissolved																			
EB-1-GW	8/22/2024	< 0.50	3.9	82	< 0.50	< 0.50	6.0	< 0.50	0.74	< 0.50	< 0.20	16	3.7	3.7	< 0.50	440,000	< 0.50	11	< 15
Metals - Total																			
EB-1-GW	8/22/2024	< 2.5	4.8	210	< 2.5	< 2.5	24	7.3	16	4.4	< 0.25	< 2.5	38	< 2.5	< 2.5	56,000	< 2.5	28	41
RWQCB ESLs[1]																			
Commercial - Cancer		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Commercial - Noncancer		--	--	--	--	--	--	--	--	--	0.38	--	--	--	--	--	--	--	--
MCL Priority		6	10	1,000	4	5	50	6	1,000	15	2	100	100	50	100	--	2	--	5,000

Notes:
-- - No standard
< 1.0 - Analyte was not detected at or above the laboratory reporting limit
ESLs - Environmental Screening Levels
MCL - Maximum Contaminant Level
RWQCB - Regional Water Quality Control Board
ug/L - micrograms per liter
[1] - Groundwater results are compared to San Francisco Bay RWQCB Groundwater Vapor Intrusion Human Health Risk Levels - Commercial/Industrial ESLs, Cancer Risk and Noncancer Hazard Values and Groundwater Direct Exposure Human Health Risk Levels MCL Priority (2019)
Dissolved metal samples were filtered upon arrival to the laboratory

Exceedance Summary:

10 - Result or reporting limit exceeds RWQCB ESL

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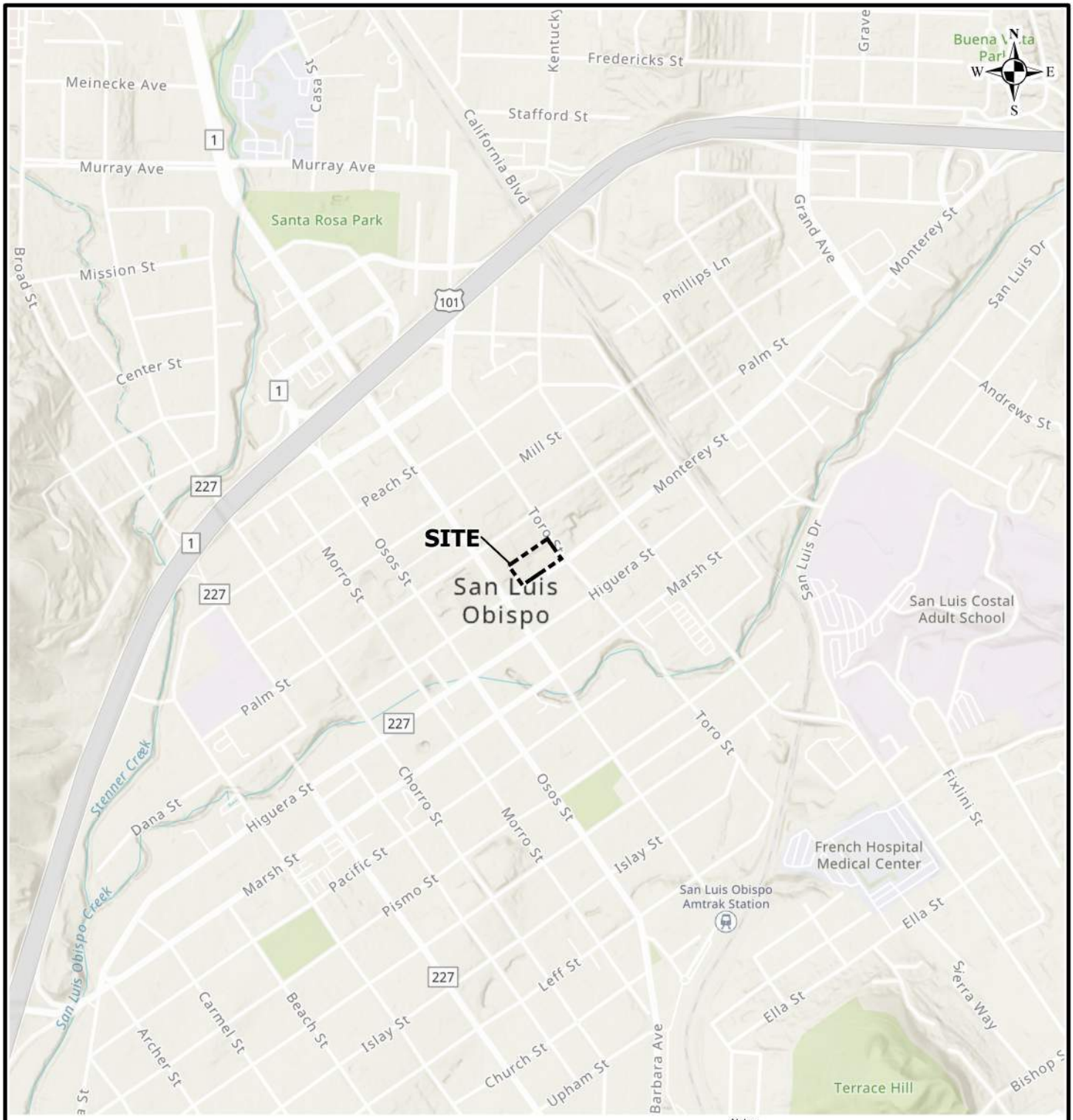
Table 6
Soil Vapor Analytical Results
San Luis Obispo Courthouse
1144 Monterey Street
San Luis Obispo, California

Sample ID	Sample Depth (feet bgs)	Date Sampled	VOCs																All Other VOCs	Fixed Gases				
			Acetone	Benzene	tert-Butanol	2-Butanone	Carbon Disulfide	Ethylbenzene	4-Ethyltoluene	2-Propanol	4-Methyl-2-Pentanone	Naphthalene	PCE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylene	o-Xylene	Total Xylenes		Carbon Dioxide	Helium	Methane	Nitrogen	Oxygen
			µg/m³																	%V				
EB-3-SV	5	3/23/2024	350	20	30	87	< 1.1	< 1.9	< 1.6	< 3.8	41	< 3.8	< 4.4	16	< 1.8	< 0.90	10	< 0.91	10	ND	2.8	< 0.071	< 0.020	77	14
DUP-1	5	3/23/2024	270	14	28	76	3.4	< 0.94	< 0.82	55	35	< 1.9	7.2	12	< 0.89	< 0.45	8.3	< 0.46	8.3	ND	4.4	< 0.095	< 0.028	77	15
EB-6-SV	5	3/22/2024	370	< 1.0	46	< 0.90	18	5.0	39	62	< 1.7	57	12	32	64	28	28	12	40	ND	< 0.52	1.0 J	< 0.12	76	20
EB-7-SV	5	3/23/2024	170	< 1.7	18	< 1.5	8.1	< 2.4	15	< 4.9	< 2.8	20	< 5.5	15	25	10	11	< 1.2	11	ND	< 0.035	< 0.028	< 0.0082	78	4.2
DTSC Screening Levels[1]																									
Commercial - Cancer			–	14	–	–	–	–	–	–	–	–	67	–	–	–	–	–	–	Various	–	–	–	–	–
Commercial - Noncancer			–	433	–	–	–	–	–	–	–	–	6,000	43,333	–	–	–	–	–	Various	–	–	–	–	–
RWQCB ESLs[2]																									
Commercial - Cancer				14	–	–	–	160	–	–	–	12	67	–	–	–	–	–	–	Various	–	–	–	–	–
Commercial - Noncancer			4,500,000	440	–	–	–	150,000	–	–	–	440	5,800	44,000	–	–	–	–	15,000	Various	–	–	–	–	–

Notes:
-- Criteria not established
< 0.18 - Analyte was not detected above the method detection limit.
%V - Percent volume
µg/m^3 - micrograms per cubic meter
bgs - below ground surface
J - Indicates value between method MDL and PQL and that the reported concentration should be considered as estimate rather the quantitative result
ND - analyte not detected above laboratory reporting limits, ranging from 0.36 to 9.8 ug/m^3
PCE - tetrachloroethene
VOC - Volatile Organic Compounds, Method TO-15
[1] - Department of Toxic Substances Control (DTSC) Commercial/Industrial Screening Levels, Hero HHRA Note Number 3, Table 3 - DTSC Recommended Screening Levels for Ambient Air Analytes with an attenuation factor 0.03, dated June 2020
[2] - San Francisco Bay Regional Water Quality Control Board (RWQCB), Vapor Summary, Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels, Commercial/ Industrial ESLs, (Table SG-1), 2019.
DUP-1 collected at EB-3-SV
Concentration exceeds RWQCB ESLs/DTSC Screening Levels

FIGURES



Legend

Approximate Site Boundary

Notes:
1. Site located in the San Luis Obispo USGS Quadrangle.
2. Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online, National Geographic Society, i-cubed.
3. All features shown are approximate.

1,000 0 1,000
SCALE IN FEET

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Project
SAN LUIS OBISPO COURTHOUSE
SAN LUIS OBISPO
SAN LUIS OBISPO COUNTY CALIFORNIA

Figure Title
SITE LOCATION MAP

Project No.	Figure
750680202	1
Date: 9/6/2024	
Scale: 1" = 1,000'	
Drawn By: AC	

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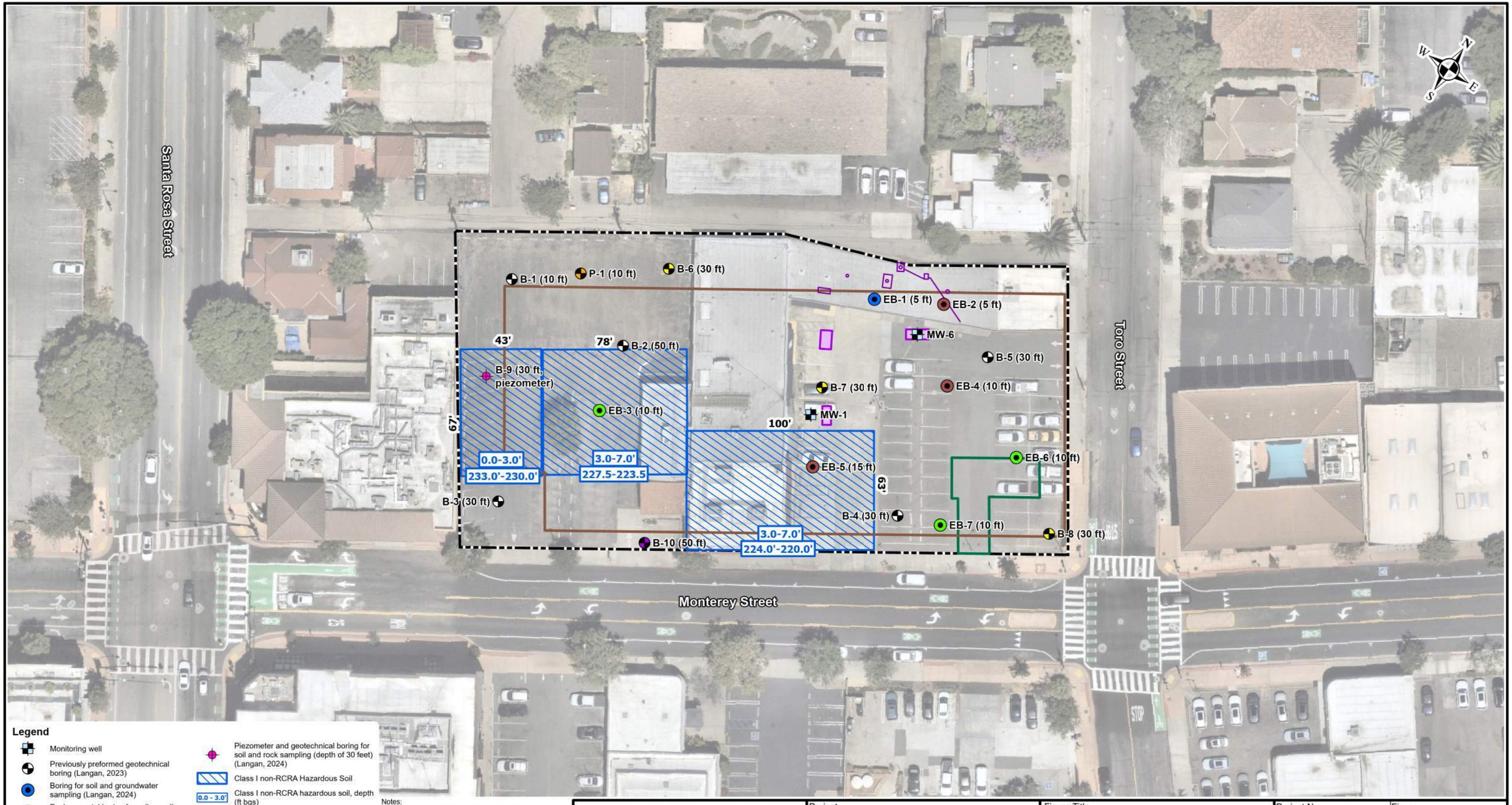

Legend

- Monitoring well
- Previously preformed geotechnical boring (Langan, 2023)
- Boring for soil and groundwater sampling (Langan, 2024)
- Environmental boring for soil sampling (Langan, 2024)
- Environmental boring for soil, soil vapor, and groundwater sampling (Langan, 2024)
- Geotechnical boring for soil and rock sampling (depth of 30 feet) (Langan, 2024)
- Geotechncial boring for soil and rock sampling (depth of 50 feet) (Langan, 2024)
- Percolation test (shallower than depth of 10 feet) (Langan, 2024)
- Piezometer and geotechnical boring for soil and rock sampling (depth of 30 feet) (Langan, 2024)
- Class I non-RCRA Hazardous Soil
- 0.0 - 3.0' — Class I non-RCRA hazardous soil, depth (ft bgs)
- 233.0'-230.0' — Approximate elevation of Class I non-RCRA hazadous soil (NAVD88)
- Previously removed Underground Storage Tank (UST) location
- Historical gas station outline
- Proposed building outline
- Previously removed structures within building (hoists, clarifier, drains, and drain lines)
- Approximate site boundary

Notes:
1. Aerial imagery provided by Nearmap, 07/03/2024.
2. Elevations reference the North American Vertical Datum of 1988 (NAVD88).
3. Proposed courthouse extents from "New San Luis Obispo Courthouse, Site Selection Presentation," by Moore Ruble Yudell, dated 12 April 2023.
4. All features shown are approximate.
5. ft bgs - feet below ground surface.

50 0 50
SCALE IN FEET

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Project
SAN LUIS OBISPO COURTHOUSE
SAN LUIS OBISPO
SAN LUIS OBISPO COUNTY CALIFORNIA

Figure Title
SITE PLAN

Project No. 750680202	Figure 2
Date 10/22/2024	
Scale 1" = 50'	
Drawn By AC	

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APPENDIX A

BORING LOGS

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring EB-1** PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: TG Drilled By: Penecore Drilling
Date started: 08/22/24	Date finished: 08/22/24	
Drilling method: Hand Auger		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Disturbed		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							Ground Surface Elevation: 229.0 feet[1]
							4 inches concrete
1	EB-1-1.0	●			0.0	SP	GRAVELLY SAND (SP) olive-gray, moist, subangular, no odor, trace silt
2					0.0		
3	EB-1-3.0	●			0.0		some silt, increased moisture with depth
4						CL	▼ SANDY CLAY (CL) olive-gray, dry, no odor, some subangular gravel,
5	EB-1-5.0	●			0.0		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 5 feet below ground surface (bgs).
Groundwater rose to 4 feet bgs after drilling.
Boring was backfilled upon completion with bentonite within saturated interval followed by neat cement grout via tremie pipe.

[1] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

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Project No.:	Figure:
750680202	A-1

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring EB-2** PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: TG Drilled By: Penecore Drilling
Date started: 08/22/24	Date finished: 08/22/24	
Drilling method: Hand Auger and Direct Push		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Disturbed/Continuous		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							Ground Surface Elevation: 229.0 feet[1]
							5.5 inches concrete
1	EB-2-1.0				0.0	SP	GRAVELLY SAND (SP) red-brown, moist, subangular, no odor, with trace silt
2					0.0	GP	gray, moist, with some trace silt SANDY GRAVEL (GP) gray/white, dry, angular, no odor, with some silt
3	EB-2-3.0						GRAVELLY SAND (SP) gray, moist, angular gravel, no odor, with silt
4				30/ 30"	0.0	SP	
5	EB-2-5.0				0.0		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 5 feet below ground surface (bgs).
Groundwater not encountered during drilling.
Boring was backfilled upon completion with neat cement grout via tremie pipe.

[1] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.:	Figure:
750680202	A-2

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring EB-3** PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: TG Drilled By: Penecore Drilling
Date started: 08/23/24	Date finished: 08/23/24	
Drilling method: Direct Push (Geoprobe)		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Continuous		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							Ground Surface Elevation: 230.5 feet[1]
0					0.0		3 inches asphalt
1	EB-3-1.0	●			0.0	SP	SAND (SP) dark brown, dense, dry, subangular, no odor
2					0.0		
3	EB-3-3.0	●		60/ 53"	0.0		
4							light brown, loose, dry, gray subangular gravel
5	EB-3-5.0	●			0.0		
6						SM	SAND with SILT (SM) gray, dense, dry, subangular, no odor
7	EB-3-7.0	●		42/ 55"	0.0	CL	SANDY CLAY with GRAVEL (CL) gray, stiff, dry, subangular, no odor
8	EB-3-8.5	●			0.0	SP	SAND (SP) light brown, dense, dry, subangular, no odor, some gravel
9					0.0	SM	SILTY SAND (SM) light brown, dense, dry, subangular, no odor
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at 8.5 feet below ground surface (bgs) due to refusal on shallow bedrock.
Groundwater not encountered during drilling.
Boring was backfilled upon completion with neat cement grout via tremie pipe.

[1] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.:	Figure:
750680202	A-3

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring EB-4

Boring location: See Site Plan, Figure 2

Logged by: TG
Drilled By: Penecore Drilling

Date started: 08/23/24 | Date finished: 08/23/24

Drilling method: Direct Push

Hammer weight/drop: NA | Hammer type: NA

Sampler: Continuous

Ground Surface Elevation: 229.4 feet[1]

DEPTH (feet)	Sample Number	Sample	Blow Count	Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
0					0.0		2 inches asphalt
1	EB-4-1.0	●			0.0	SP	SAND (SP) olive-brown, very dense, dry, subangular, no odor, trace gravel and silt
2					0.0	SC	CLAYEY SAND (SC) olive-brown, very dense, dry, subangular, no odor, with gravel, red and pink rock throughout
3	EB-4-3.0	●		60/ 60"	0.0		
4					0.0		
5	EB-4-5.0	●			0.0		
6					0.0		
7	EB-4-7.0	●			0.0		gray, medium dense, moist, trace gravel
8				60/ 60"	0.0	CL	light yellow/white, dry SANDY CLAY (CL) light brown, medium stiff, moist, no odor, with some gravel
9					0.0	SP SM	SAND (SP) dark brown, dense, dry, subangular, no odor, with gravel SAND with SILT (SM) dense, dry, subangular, no odor
10	EB-4-10.0	●			0.0		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 10 feet below ground surface (bgs).
Groundwater not encountered during drilling.
Boring was backfilled upon completion with neat cement grout via tremie pipe.

[1] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202 | Figure: A-4

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring EB-5** PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: TG Drilled By: Penecore Drilling
Date started: 08/22/24	Date finished: 08/23/24	
Drilling method: Direct Push		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Continuous		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							Ground Surface Elevation: 227.0 feet[1]
							4 inches concrete
1	EB-5-1.0	●			0.0	SP	GRAVELLY SAND (SP) brown, dense, dry, subangular, no odor
2					0.0		
3	EB-5-3.0	●		35/ 60"	0.0		with some clay, rock fragments at 3 to 3.5 feet
4					0.0		
5	EB-5-5.0	●			0.0		dark brown, subrounded
6					0.0	SP	SAND (SP) brown, medium dense, dry, no odor, some subangular gravel
7	EB-5-7.0	●			0.0		
8				60/ 60"	0.0	SC	CLAYEY SAND (SC) brown, dense, dry, no odor
9					0.0	SP	GRAVELLY SAND (SP) light brown, very dense, dry, subangular, no odor, trace clay
10	EB-5-10.0	●			0.0		
11					0.0		
12					0.0		
13				60/ 60"			
14							
15					0.0		
16					0.0		
17							
18							
19							
20							

Boring terminated at a depth of 15 feet below ground surface (bgs).
Groundwater not encountered during drilling.
Boring was backfilled upon completion with neat cement grout via tremie pipe.

[1] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.:	Figure:
750680202	A-5

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring EB-6** PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: TG Drilled By: Penecore Drilling
Date started: 08/23/24	Date finished: 08/23/24	
Drilling method: Direct Push		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Continuous		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							Ground Surface Elevation: 228.7 feet[1]
0							3 inches asphalt
1	EB-6-1.0	●			0.0	SP	GRAVELLY SAND (SP) gray-brown, dense, dry, subangular, no odor
2				30/ 60"			
3	EB-6-3.0	●			0.0	CL	SANDY CLAY (CL) gray, medium stiff, moist, non plastic, no odor, with gravel
4					0.0	SC	CLAYEY SAND (SC) gray-brown, medium dense, dry, no odor, and trace subangular gravel
5	EB-6-5.0	●			0.0		
6						SM	SILTY SAND (SM) brown, dense, dry, no odor, some subangular gravel
7	EB-6-7.0	●			0.0		
8				60/ 60"			
9					0.0		
10	EB-6-10.0	●			0.0		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 10 feet below ground surface (bgs).
Groundwater not encountered during drilling.
Boring was backfilled upon completion with neat cement grout via tremie pipe.

[1] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.:	Figure:
750680202	A-6

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring EB-7** PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: TG Drilled By: Penecore Drilling
Date started: 08/23/24	Date finished: 08/23/24	
Drilling method: Direct Push		
Hammer weight/drop: NA	Hammer type: NA	
Sampler: Continuous		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (Inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
							Ground Surface Elevation: 225.0 feet[1]
0					0.0		2 inches asphalt
1	EB-7-1.0	●			0.0	SC	CLAYEY SAND (SC) brown, dense, moist, no odor, trace subangular gravel
2				60/ 60"	0.0	SP	SAND with GRAVEL (SP) red-brown, medium dense, dry, subangular, no odor
3	EB-7-3.0	●			0.0		
4					0.0		light brown
5	EB-7-5.0	●			0.0		
6					0.0	SM	SILTY SAND (SM) brown, dense, dry, no odor, trace subangular gravel
7	EB-7-7.0	●			0.0		
8				55/ 60"	0.0		
9					0.0		
10	EB-7-10.0	●			0.0		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Boring terminated at a depth of 10 feet below ground surface (bgs).
Groundwater not encountered during drilling.
Boring was backfilled upon completion with neat cement grout via tremie pipe.

[1] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.:	Figure:
750680202	A-7

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-1

Boring location: See Site Plan, Figure 2
Logged by: R. Nelson
Drilled By: Exploration Geoservices Inc.

Date started: 02/27/23 Date finished: 02/27/23

Drilling method: Hollow Stem Auger

Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic

Samplers: Sprague & Henwood (S&H)

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 238.5 feet[2]						
0					AB	1 inch asphalt concrete (AC)						
						6 inches aggregate base (AB)						
1					CL	CLAY (CL) red-brown, stiff, moist, trace fine to medium sand						
2												
3	BULK					Expansion Index = 86, see Figure B-4 Corrosion Test, see Appendix D						
4												
5					CL	CLAY with SAND (CL) yellow-brown, very stiff, moist, fine sand						
6	S&H		8 12 13	20		Triaxial Test, see Figure B-6	TxUU	600	4,110		20.1	106
7												
8	S&H		12 18 24	34	SC	CLAYEY SAND with GRAVEL (SC) gray-brown, dense, moist, fine- to coarse-grained, fine angular gravel				25.3	22.5	
9												
10					GC	CLAYEY GRAVEL with SAND (GC) gray-brown, medium dense, moist, fine angular gravel, fine- to coarse-grained sand						
11	S&H		9 13 18	25						26.0	24.7	92
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												

Boring terminated at a depth of 11.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.
PP = Pocket penetrometer.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-8

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-2

Boring location: See Site Plan, Figure 2
Date started: 02/27/23 Date finished: 02/27/23
Drilling method: Hollow Stem Auger
Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic
Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

Logged by: R. Nelson
Drilled By: Exploration Geoservices Inc.

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 233.5 feet[2]						
0						2 inches asphalt concrete (AC)						
1						CLAY with SAND (CH) dark brown, stiff, moist, coarse sand LL = 52, PI = 28, see Figure B-1						
2	BULK				CH							
3												
4												
5						CLAYEY SILTY GRAVEL with SAND (GC-GM) orange-brown, dense, moist, fine angular gravel, coarse-grained sand LL = 52, PI = 23, see Figure B-1						
6	S&H		12 18 26	35						30.0	21.2	
7					GC-GM							
8												
9												
10						SILTSTONE olive-brown, low hardness, friable, little weathered, dark brown stain along fractures [FRANCISCAN MELANGE]						
11	S&H		12 27 36	50								
12												
13												
14												
15						SHALE dark gray, low hardness, friable slightly weathered [FRANCISCAN MELANGE]						
16	S&H		18 40 50/ 5"	72/ 11"								
17												
18												
19												
20			20 33 50/ 5"	108/ 11"		weakly oxidized, occasional calcite veins						
21	SPT											
22												
23												
24												
25			32 40 50/ 6"	117								
26	SPT											
27												
28												
29												
30												

LANGAN

Project No.: 750680202
Figure: A-9a

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-2

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	SPT		50/ 5"	65/ 5"		SANDSTONE gray, moderately hard, weak, fresh [FRANCISCAN MELANGE]						
32												
33												
34						SHALE dark gray, low hardness, weak, slightly weathered, with serpentinite inclusions, occasional calcite veins [FRANCISCAN MELANGE]						
35	SPT		32 50/ 6"	65/ 6"								
36												
37												
38												
39												
40	SPT		43 50/ 6"	65/ 6"								
41												
42												
43												
44												
45	SPT		50/ 4"	65/ 4"		clay matrix						
46												
47												
48												
49												
50	SPT		50/ 5"	65/ 5"								
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												

Boring terminated at a depth of 50.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-9b

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-3

Boring location: See Site Plan, Figure 2
Logged by: R. Nelson
Drilled By: Exploration Geoservices Inc.

Date started: 02/27/23 Date finished: 02/27/23

Drilling method: Hollow Stem Auger

Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic

Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

LABORATORY TEST DATA

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 227.5 feet[2]						
1					AB	2 inches asphalt concrete (AC) 9 inches aggregate base (AB)						
2	BULK				CH	CLAY with SAND (CH) gray-brown and red-brown, stiff, moist, coarse sand, trace fine subrounded gravel [FILL] LL = 59, PI = 33, see Figure B-1						
3	SPT		10 50/ 6"	65/ 6"						26.3	17.2	
4					GC	CLAYEY GRAVEL with SAND (GC) olive and light brown, very dense, moist, fine to coarse subangular gravel, fine-grained sand						
5												
6	SPT		7 20 18	49							13.8	
7					SC	CLAYEY SAND with GRAVEL (SC) olive, light brown and red-brown, dense, moist, fine- to coarse-grained, fine subangular to angular gravel [ALLUVIUM]						
8												
9						▽ (2/27/23, 10:58 am) CLAYEY GRAVEL with SAND (GC) olive, light brown and red-brown, dense, wet, fine to coarse subangular to angular gravel composed of chert, fine- to coarse-grained sand Particle Size Analysis, see Figure B-2						
10	SPT		13 17 16	43	GC					19.5	9.3	
11												
12												
13												
14												
15						CLAYEY SAND (SC) gray-brown, orange-brown and olive, medium dense, wet, fine- to coarse-grained, fine to coarse subangular to subrounded gravel [ALLUVIUM]				37.0	36.5	
16	SPT		5 7 8	20								
17					SC							
18												
19						▽ (2/27/23, 10:25 am)						
20												
21	S&H		5 13 20	26		CLAYEY SAND with GRAVEL (SC) olive, light brown and dark brown, medium dense, wet, fine- to coarse-grained, fine to coarse subangular to subrounded gravel Particle Size Analysis, see Figure B-2				27.0	27.9	98
22					SC							
23												
24												
25	SPT		25 50/ 5"	65/ 5"		SHALE gray with white calcite veins, low hardness, friable, slightly weathered [FRANCISCAN MELANGE]						
26												
27												
28												
29												
30												

LANGAN

Project No.: 750680202 Figure: A-10a

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-3

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	SPT		26 50/ 5"	65/ 5"		SHALE (continued) low hardness to moderately hard						
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												
47												
48												
49												
50												
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												

Boring terminated at a depth of 31 feet below ground surface.
Boring backfilled with bentonite/cement grout.
Groundwater encountered at 9.0 feet (2/27/23, 10:58am) and 19.0 feet (2/27/23, 10:25am) at time of drilling.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-10b

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring B-4**

Boring location: See Site Plan, Figure 2

Date started: 02/28/23 Date finished: 02/28/23

Drilling method: Hollow Stem Auger

Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic

Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

Logged by: R. Nelson
Drilled By: Exploration Geoservices Inc.

LABORATORY TEST DATA

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 225.5 feet[2]						
1						3 inches asphalt concrete (AC) 12 inches concrete						
2						CLAYEY SILTY SAND with GRAVEL (SC-SM) brown, medium dense, moist, fine- to coarse-grained, fine angular gravel						
3												
4												
5					SC-SM							
6	SPT		9 7 5	16		LL = 37, PI = 12, see Figure B-1 ▽ (2/28/23, 10:55 am)				28.1	16.6	
7												
8	S&H		2 8 13	17	SP-SC	SAND with CLAY and GRAVEL (SP-SC) olive, medium dense, wet, fine- to coarse-grained, fine angular gravel				7.1	14.4	
9												
10						GREENSTONE olive with dark brown, manganese oxide staining along fractures, low hardness, friable to weak, moderately weathered, some sand and clay infill in fractures, weakly oxidized, sheared serpentinite matrix [FRANCISCAN MELANGE] Asbestos Test, see Appendix C						
11	SPT		9 13 17	39								
12												
13												
14												
15	SPT		22 50/ 1"	65/ 1"		Asbestos Test, see Appendix C						
16												
17												
18												
19												
20	SPT		22 44 50/ 5"	122/ 11"		SHALE dark gray, low hardness, friable, slightly weathered, occasional calcite veins, sheared matrix with sandstone inclusions [FRANCISCAN MELANGE]						
21												
22												
23												
24												
25	SPT		36 50/ 2"	65/ 2"		GREENSTONE olive-gray, low hardness, friable to weak, little weathered [FRANCISCAN MELANGE]						
26												
27												
28						SERPENTINITE matrix with chert blocksolive-gray (serpentinite) and red-brown (chert), low hardness, friable to weak, little weathered						
29												
30												

LANGAN

Project No.: 750680202 Figure: A-11a

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-4

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	SPT		50/ 6"	65/ 6"		SERPENTINITE (continued)						
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												
47												
48												
49												
50												
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												

Boring terminated at a depth of 30.5 feet below ground surface.
Boring backfilled with bentonite/cement grout.
Groundwater encountered at a depth of 6.5 feet (2/28/23, 10:55am) at time of drilling.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-11b

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring B-5**

Boring location: See Site Plan, Figure 2

Date started: 02/28/23 Date finished: 02/28/23

Drilling method: Hollow Stem Auger

Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic

Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

Logged by: R. Nelson
Drilled By: Exploration Geoservices Inc.

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 229.5 feet[2]						
0						2 inches asphalt concrete (AC)						
1						CLAY with SAND and GRAVEL (CH) olive-brown, very stiff, moist, fine sand, fine angular gravel						
2												
3	BULK				CH	LL = 62, PI = 42, see Figure B-1 R-Value Test, see Figure B-7						
4												
5												
6	S&H		12 15 13	22			PP		3,000			
7						SHALE gray-brown, soft to low hardness, friable, slightly weathered, weakly oxidized [FRANCISCAN MELANGE]						
8	S&H		14 26 31	46								
9												
10			17			dark gray with orange-brown oxidation along fractures						
11	S&H		28 50/ 5"	62/ 11"								
12												
13												
14												
15			11									
16	SPT		33 50/ 5"	108/ 11"								
17												
18												
19												
20			18			dark gray, low hardness, friable, fresh, sandstone blocks, occasional calcite veins						
21	SPT		26 50/ 6"	99								
22												
23												
24												
25			27									
26	SPT		34 50/ 5"	109/ 11"								
27												
28												
29												
30												

LANGAN

Project No.: 750680202 Figure: A-12a

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-5

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	SPT		16 24 44	88		SHALE (continued)						
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												
47												
48												
49												
50												
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												

Boring terminated at a depth of 31.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.
PP = Pocket penetrometer.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-12b

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-6

Boring location: See Site Plan, Figure 2

Logged by: H. Li
Drilled By: Exploration Geoservices Inc.

Date started: 08/23/24 | Date finished: 08/23/24

Drilling method: Hollow Stem Auger

Hammer weight/drop: 140 lbs./30 inches | Hammer type: Automatic

Samplers: Standard Penetration Test (SPT)

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 238.2 feet[2]						
0						3 inches asphalt concrete (AC)						
1	HA	☒			CL	SANDY CLAY with GRAVEL (CL) dark brown to brown, stiff, moist, fine to coarse sand, fine to coarse subrounded to angular gravel (rock fragments)						
2												
3	SPT	▬	50/ 2"	65/ 2"		FRANCISCAN MELANGE light gray and olive-brown, hard, moderately strong, little weathered to fresh						
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												

Boring terminated at a depth of 3.7 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-13

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring B-7**

Boring location: See Site Plan, Figure 2

Logged by: H. Li
Drilled By: Exploration Geoservices Inc.

Date started: 08/22/24 | Date finished: 08/22/24

Drilling method: Hollow Stem Auger

Hammer weight/drop: 140 lbs./30 inches | Hammer type: Automatic

Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

LABORATORY TEST DATA

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 229.2 feet[2]						
1						4.5 inches asphalt concrete (AC)						
						4.5 inches aggregate base (AB)						
2	HA				CL	SANDY CLAY (CL) yellow-brown to olive, medium stiff to stiff, moist, fine to coarse sand, trace fine angular gravel and rootlets						
3												
4	HA				CL	SANDY CLAY (CL) olive-gray, very stiff, moist, fine to coarse sand, with fine to coarse subangular to angular gravel [RESIDUAL SOIL]						
5												
6	S&H		13 16 19	28		SHALE yellow-brown, soft to low hardness, friable, deeply weathered [FRANCISCAN MELANGE]						
7												
8	S&H		12 18 32	40		dark gray, low hardness, weak, moderate to little weathered interbedded olive-gray sandstone						
9												
10						olive-gray						
11	S&H		18 29 36	52								
12												
13												
14												
15						with greenstone blocks						
16	SPT		12 24 50	96								
17												
18												
19												
20						gray to light gray, with serpentinite						
21	SPT		15 18 37	72								
22												
23												
24												
25												
26												
27												
28												
29												
30												

Boring terminated at a depth of 21.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202 | Figure: A-14

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-8

Boring location: See Site Plan, Figure 2
Date started: 08/22/24 Date finished: 08/22/24
Drilling method: Hollow Stem Auger
Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic
Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

Logged by: H. Li
Drilled By: Exploration Geoservices Inc.

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 225.4 feet[2]						
0						6 inches asphalt concrete (AC)						
1						2 inches aggregate base (AB)						
2	HA				SC	CLAYEY SAND with GRAVEL (SC) yellow-brown, medium dense, moist, fine- to coarse-grained, fine to coarse angular gravel [FILL] Corrosion Test, see Appendix D						
3												
4	HA											
5					CL	SANDY CLAY with GRAVEL (CL) yellow-brown, medium stiff, moist, fine to coarse sand, fine to coarse subangular gravel						
6	S&H		7 8 11	15	CL	CLAY WITH SAND (CL) gray-brown, stiff to hard, moist, fine sand [RESIDUAL SOIL] Particle Size Analysis, see Figure B-2	PP		<4,500	82.7	18.8	107
7												
8	S&H		9 10 18	22		SHALE gray-brown, soft to low hardness, friable, moderate to deeply weathered [FRANCISCAN MELANGE]						
9												
10												
11	S&H		7 15 25	32		SANDSTONE yellow-brown, crushed, low hardness, friable, moderately weathered [FRANCISCAN MELANGE]						
12												
13												
14												
15	S&H		50/ 5"	40/ 5"		hard						
16												
17						SHALE dark gray, low hardness, little weathered to fresh [FRANCISCAN MELANGE]						
18												
19												
20												
21	SPT		15 17 18	46								
22												
23												
24												
25												
26	SPT		17 27 32	77		light gray, friable to weak						
27												
28												
29	SPT		27 23 32	72		friable, little weathered						
30												

Boring terminated at a depth of 30 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.
PP = Pocket Penetrometer.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-15

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

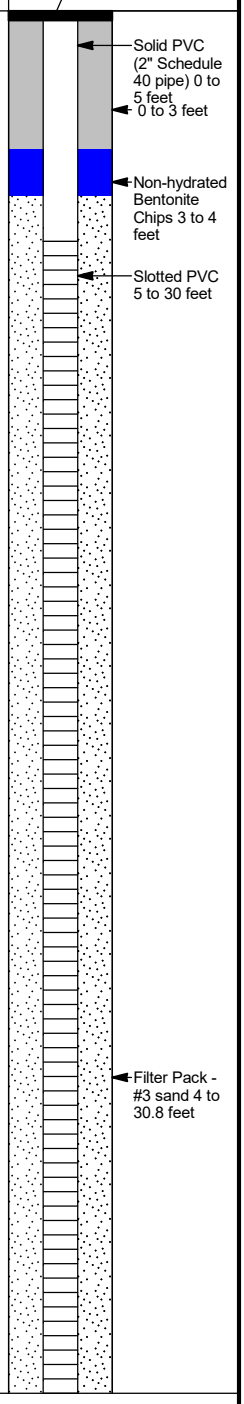
Log of Piezometer B-9 (MW)

Boring location: See Site Plan, Figure 2
Date started: 08/23/24 Date finished: 08/23/24
Drilling method: Hollow Stem Auger
Hammer weight/drop: 140 lbs./30 inches Hammer type: Automatic
Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

Logged by: H. Li
Drilled By: Exploration Geoservices Inc.

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 232.9 feet[2]						
0						2 inches asphalt concrete (AC)						
1					CL	SANDY CLAY (CL) yellow-brown, stiff, moist, fine to coarse sand						
2	HA											
3												
4	HA				CL	SANDY CLAY with GRAVEL (CL) yellow-brown, stiff, moist, fine to coarse sand, fine subangular gravel						
5												
6	S&H		9 10 19	23		CLAYEY SAND WITH GRAVEL (SC) brown, medium dense, moist, trace rock fragments	PP		<4,500	40.2	20.8	99
7						Particle Size Analysis, see Figure B-3						
8	S&H		15 24 27	41		yellow-brown, dense, moist, fine to coarse, subangular to angular gravel, fine to coarse sand						
9					SC							
10												
11	S&H		12 20 22	34		Particle Size Analysis, see Figure B-3				21.1	16.9	107
12												
13												
14						SHALE gray, soft, friable, deeply weathered [FRANCISCAN MELANGE]						
15	S&H		46 50/ 5"	40/ 5"								
16												
17												
18												
19												
20												
21	SPT		16 25 50	98		low hardness, weak, moderately weathered						
22												
23												
24												
25	SPT		19 50/ 4"	65/ 4"		friable, deeply weathered						
26												
27												
28												
29												
30												

PIEZOMETER COMPLETION INFORMATION



LANGAN

Project No.: 750680202 Figure: A-16a

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Piezometer B-9 (MW)

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	LABORATORY TEST DATA: Confining Pressure Lbs/Sq Ft	LABORATORY TEST DATA: Shear Strength Lbs/Sq Ft	LABORATORY TEST DATA: Fines %	LABORATORY TEST DATA: Natural Moisture Content, %	LABORATORY TEST DATA: Dry Density Lbs/Cu Ft	PIEZOMETER COMPLETION INFORMATION
31	SPT		26 50/ 4"	65/ 4"		weak, moderately weathered							End Cap From 30 To 30.8 Feet
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													

Boring terminated at a depth of 30.8 feet below ground surface.
Boring converted to a piezometer.
Groundwater not encountered at time of drilling.
PP = Pocket Penetrometer.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.

[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202

Figure: A-16b

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring B-10**

Boring location: See Site Plan, Figure 2

Date started: 08/22/24 | Date finished: 08/23/24

Drilling method: Hollow Stem Auger

Hammer weight/drop: 140 lbs./30 inches | Hammer type: Automatic

Samplers: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

Logged by: H. Li
Drilled By: Exploration Geoservices Inc.

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 225.9 feet[2]						
0						5 inches concrete						
1	HA					CLAY with SAND and GRAVEL (CL) dark brown, stiff, moist, fine to coarse sand, with fine to coarse subrounded gravel, micaceous						
2					CL							
3												
4	HA					Corrosion Test, see Appendix D						
5												
6	S&H		5 10 22	26	SC	CLAYEY SAND WITH GRAVEL (SC) olive with orange mottling, medium dense, moist, fine- to coarse-grained, subangular to angular Particle Size Analysis, see Figure B-3				33.2	26.9	84
7												
8	S&H		12 18 24	34	CL	SANDY CLAY (CL) yellow, hard, moist, fine sand						
9						SHALE olive-gray, low hardness, weak, moderately weathered, trace sandstone [FRANCISCAN MELANGE]						
10												
11	S&H		10 17 28	36		olive-gray to dark gray						
12												
13												
14												
15	S&H		33 50/ 4"	40/ 4"								
16												
17												
18												
19												
20	SPT		18 30 41	92								
21												
22												
23												
24												
25	SPT		16 42 50/ 5"	120/ 11"								
26						light gray, friable, deeply weathered, trace serpentinite/greenstone						
27												
28												
29												
30												

LANGAN

Project No.: 750680202 | Figure: A-17a

PROJECT: **SAN LUIS OBISPO COURTHOUSE**
1144 MONTEREY STREET
San Luis Obispo, California

Log of Boring B-10

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31	SPT		13 27 38	85		SHALE (continued) with serpentinite/greenstone						
32												
33												
34												
35	SPT		25 42 50/ 2	120/ 8"								
36												
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												
47												
48												
49												
50												
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												

Boring terminated at a depth of 36.2 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.

[1] S&H and SPT blow counts for the last two increments were converted to SPT N-Values using factors of 0.8 and 1.3, respectively to account for sampler type and hammer energy.
[2] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.: 750680202
Figure: A-17b

PROJECT:	**SAN LUIS OBISPO COURTHOUSE** **1144 MONTEREY STREET** San Luis Obispo, California	**Log of Boring P-1**

Boring location:	See Site Plan, Figure 2	Logged by:	H. Li
Date started:	08/22/24	Date finished: 08/22/24	Drilled By: Exploration Geoservices Inc.
Drilling method:	Hollow Stem Auger		
Hammer weight/drop:	140 lbs./30 inches	Hammer type: Automatic	
Samplers:	NA		

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: 225.6 feet[1]						
0						5 inches concrete						
1						SANDY CLAY with GRAVEL (CH) red-brown to dark brown, medium stiff to stiff, moist, fine sand LL = 56, PI = 37, see Figure B-1						
2												
3	HA				CH	Expansion Index = 78, see Figure B-5 R-Value Test, see Figure B-8						
4												
5												
6												
7						SANDY CLAY (CL) gray-brown, moist, medium stiff to stiff, medium to fine sand, trace fine subangular gravel						
8					CL							
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												

Boring terminated at a depth of 10 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered at time of drilling.

[1] Elevations based on North American Vertical Datum of 1988 (NAVD88), and were determined from a topographic survey by DRG, Inc. dated 30 September 2024.

LANGAN

Project No.:	Figure:
750680202	A-18

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		Symbols	Typical Names
Coarse-Grained Soils (more than half of soil > no. 200 sieve size	**Gravels** (More than half of coarse fraction > no. 4 sieve size)	**GW**	Well-graded gravels or gravel-sand mixtures, little or no fines
		GP	Poorly-graded gravels or gravel-sand mixtures, little or no fines
		GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	Sands (More than half of coarse fraction < no. 4 sieve size)	**SW**	Well-graded sands or gravelly sands, little or no fines
		SP	Poorly-graded sands or gravelly sands, little or no fines
		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
Fine -Grained Soils (more than half of soil < no. 200 sieve size)	**Silts and Clays** LL = < 50	**ML**	Inorganic silts and clayey silts of low plasticity, sandy silts, gravelly silts
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, lean clays
		OL	Organic silts and organic silt-clays of low plasticity
	Silts and Clays LL = > 50	**MH**	Inorganic silts of high plasticity
		CH	Inorganic clays of high plasticity, fat clays
		OH	Organic silts and clays of high plasticity
Highly Organic Soils		**PT**	Peat and other highly organic soils

GRAIN SIZE CHART

Classification	Range of Grain Sizes	
	U.S. Standard Sieve Size	Grain Size in Millimeters
Boulders	Above 12"	Above 305
Cobbles	12" to 3"	305 to 76.2
Gravel	3" to No. 4	76.2 to 4.76
coarse	3" to 3/4"	76.2 to 19.1
fine	3/4" to No. 4	19.1 to 4.76
Sand	No. 4 to No. 200	4.76 to 0.075
coarse	No. 4 to No. 10	4.76 to 2.00
medium	No. 10 to No. 40	2.00 to 0.420
fine	No. 40 to No. 200	0.420 to 0.075
Silt and Clay	Below No. 200	Below 0.075

Unstabilized groundwater level

Stabilized groundwater level

PP = Pocket Penetrometer

TV = Torvane

SAMPLE DESIGNATIONS/SYMBOLS

Sample taken with Sprague & Henwood split-barrel sampler with a 3.0-inch outside diameter and a 2.43-inch inside diameter. Darkened area indicates soil recovered

Classification sample taken with Standard Penetration Test sampler

Undisturbed sample taken with thin-walled tube

Disturbed sample

Sampling attempted with no recovery

Core sample

Analytical laboratory sample

Sample taken with Direct Push or Drive sampler

Sonic

SAMPLER TYPE

C Core barrel

CA California split-barrel sampler with 2.5-inch outside diameter and a 1.93-inch inside diameter

D&M Dames & Moore piston sampler using 2.5-inch outside diameter, thin-walled tube

O Osterberg piston sampler using 3.0-inch outside diameter, thin-walled Shelby tube

PT Pitcher tube sampler using 3.0-inch outside diameter, thin-walled Shelby tube

S&H Sprague & Henwood split-barrel sampler with a 3.0-inch outside diameter and a 2.43-inch inside diameter

SPT Standard Penetration Test (SPT) split-barrel sampler with a 2.0-inch outside diameter and a 1.38- or 1.5-inch inside diameter - see report text

ST Shelby Tube (3.0-inch outside diameter, thin-walled tube) advanced with hydraulic pressure

LANGAN

Langan CA, Inc.
1814 Franklin Street, Suite 505
Oakland, CA 94612

T: 510.874.7000 F: 510.874.7001 www.langan.com

Project
SAN LUIS OBISPO COURTHOUSE
1144 MONTEREY STREET
SAN LUIS OBISPO
SAN LUIS OBISPO COUNTY CALIFORNIA

Figure Title
SOIL CLASSIFICATION CHART

Project No. 750680202
Date 10/11/2024
Drawn By AG
Checked By JDO

Figure
A-19

Filename: C:\bms\langan-pw-01\d0288439\FG01-750680201-B-GI0101.dwg Date: 10/25/2024 Time: 10:59 User: jcarabelas Style Table: Langan.stb Layout: SOIL CHART

I FRACTURING

Intensity	Size of Pieces in Feet
Very little fractured	Greater than 4.0
Occasionally fractured	1.0 to 4.0
Moderately fractured	0.5 to 1.0
Closely fractured	0.1 to 0.5
Intensely fractured	0.05 to 0.1
Crushed	Less than 0.05

II HARDNESS

1. **Soft** - reserved for plastic material alone.
2. **Low hardness** - can be gouged deeply or carved easily with a knife blade.
3. **Moderately hard** - can be readily scratched by a knife blade; scratch leaves a heavy trace of dust and is readily visible after the powder has been blown away.
4. **Hard** - can be scratched with difficulty; scratch produced a little powder and is often faintly visible.
5. **Very hard** - cannot be scratched with knife blade; leaves a metallic streak.

III STRENGTH

1. **Plastic** or very low strength.
2. **Friable** - crumbles easily by rubbing with fingers.
3. **Weak** - an unfractured specimen of such material will crumble under light hammer blows.
4. **Moderately strong** - specimen will withstand a few heavy hammer blows before breaking.
5. **Strong** - specimen will withstand a few heavy ringing hammer blows and will yield with difficulty only dust and small flying fragments.
6. **Very strong** - specimen will resist heavy ringing hammer blows and will yield with difficulty only dust and small flying fragments.

IV WEATHERING - The physical and chemical disintegration and decomposition of rocks and minerals by natural processes such as oxidation, reduction, hydration, solution, carbonation, and freezing and thawing.

D. Deep - moderate to complete mineral decomposition; extensive disintegration; deep and thorough discoloration; many fractures, all extensively coated or filled with oxides, carbonates and/or clay or silt.

M. Moderate - slight change or partial decomposition of minerals; little disintegration; cementation little to unaffected. Moderate to occasionally intense discoloration. Moderately coated fractures.

L. Little - no megascopic decomposition of minerals; little of no effect on normal cementation. Slight and intermittent, or localized discoloration. Few stains on fracture surfaces.

F. Fresh - unaffected by weathering agents. No disintegration of discoloration. Fractures usually less numerous than joints.

ADDITIONAL COMMENTS:

V CONSOLIDATION OF SEDIMENTARY ROCKS: usually determined from unweathered samples. Largely dependent on cementation.

U = unconsolidated
P = poorly consolidated
M = moderately consolidated
W = well consolidated

VI BEDDING OF SEDIMENTARY ROCKS

Splitting Property	Thickness	Stratification
Massive	Greater than 4.0 ft.	very thick-bedded
Blocky	2.0 to 4.0 ft.	thick bedded
Slabby	0.2 to 2.0 ft.	thin bedded
Flaggy	0.05 to 0.2 ft.	very thin-bedded
Shaly or platy	0.01 to 0.05 ft.	laminated
Papery	less than 0.01	thinly laminated

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SAN LUIS OBISPO COUNTY CALIFORNIA

Figure Title
PHYSICAL PROPERTIES CRITERIA FOR ROCK DESCRIPTIONS

Project No. 750680202
Date 10/11/2024
Drawn By AG
Checked By JDO

Figure
A-20

Filename: C:\bms\langan-pw-01\d0288439\FG01-750680201-B-GI0101.dwg Date: 10/25/2024 Time: 11:00 User: jcarabelas Style Table: Langan.stb Layout: ROCK CHART

APPENDIX B

CERTIFIED ANALYTICAL LABORATORY REPORTS

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2408K98

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Brendan Hayward
Project P.O.:
Project: 750680202; SLO Courthouse

Project Location:
Project Received: 08/26/2024

Analytical Report reviewed & approved for release on 09/11/2024 by:

Christine Askari
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2408K98

Project: 750680202; SLO Courthouse

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range
SPK Val	Spike Value

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2408K98

Project: 750680202; SLO Courthouse

SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

A	The reported value is determined using a "single point" calibration by GC-ECD as allowed by the method.
B	Analyte detected in the associated Method Blank at a concentration greater than 1/10 the reported sample result.
H	Sample was analyzed out of hold time
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Surrogate recovery outside accepted recovery limits.
a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.
b1	Aqueous sample that contains greater than ~1 vol. % sediment
c1	Surrogate recovery outside of the control limits due to the dilution of the sample.
e2	Diesel range compounds are detected; no recognizable pattern
e7	Oil range compounds are detected.
h2	Silica-gel (EPA 3630) cleanup
h5	GPC (EPA 3640) cleanup
h8	Charcoal clean up (MAI)
h9	Size Exclusion Gravity Cleanup
k10	CARB 435 Exception 1 - No asbestos detected. The limit of quantitation (LOQ) = 0.25%.

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.
F5	LCS/LCSD recovery is outside of acceptance limits; however, the data is acceptable based upon the TNI allowable marginal exceedances.
F10	MS/MSD outside control limits. Physical or chemical interferences exist due to sample matrix.
F13	Indigenous sample results too high for a representative matrix spike analysis.

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Case Narrative

Client: Langan
Project: 750680202; SLO Courthouse

Work Order: 2408K98
September 04, 2024

Percent Moisture

In accordance with SW-846, 8000, percent moisture is reported as:

[Moisture Weight (g)] / [Sample Wet Weight (g)] x 100

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-1.0	2408K98-001A	Soil	08/22/2024 11:59	GC40 08302413.d	300832

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00012	1	08/30/2024 10:43
a-BHC	ND	0.00012	1	08/30/2024 10:43
b-BHC	ND	0.00012	1	08/30/2024 10:43
d-BHC	ND	0.00012	1	08/30/2024 10:43
g-BHC	ND	0.00012	1	08/30/2024 10:43
Chlordane (Technical)	ND	0.0029	1	08/30/2024 10:43
a-Chlordane	ND	0.00012	1	08/30/2024 10:43
g-Chlordane	ND	0.00012	1	08/30/2024 10:43
p,p-DDD	ND	0.00012	1	08/30/2024 10:43
p,p-DDE	ND	0.00012	1	08/30/2024 10:43
p,p-DDT	ND	0.00012	1	08/30/2024 10:43
Dieldrin	ND	0.00012	1	08/30/2024 10:43
Endosulfan I	ND	0.00012	1	08/30/2024 10:43
Endosulfan II	ND	0.00012	1	08/30/2024 10:43
Endosulfan sulfate	ND	0.00012	1	08/30/2024 10:43
Endrin	ND	0.00012	1	08/30/2024 10:43
Endrin aldehyde	ND	0.00012	1	08/30/2024 10:43
Endrin ketone	ND	0.00012	1	08/30/2024 10:43
Heptachlor	ND	0.00012	1	08/30/2024 10:43
Heptachlor epoxide	ND	0.00012	1	08/30/2024 10:43
Hexachlorobenzene	ND	0.0012	1	08/30/2024 10:43
Hexachlorocyclopentadiene	ND	0.0023	1	08/30/2024 10:43
Methoxychlor	ND	0.00023	1	08/30/2024 10:43
Toxaphene	ND	0.012	1	08/30/2024 10:43
Aroclor1016	ND	0.0058	1	08/30/2024 10:43
Aroclor1221	ND	0.0058	1	08/30/2024 10:43
Aroclor1232	ND	0.0058	1	08/30/2024 10:43
Aroclor1242	ND	0.0058	1	08/30/2024 10:43
Aroclor1248	ND	0.0058	1	08/30/2024 10:43
Aroclor1254	ND	0.0058	1	08/30/2024 10:43
Aroclor1260	ND	0.0058	1	08/30/2024 10:43
PCBs, total	ND	0.0058	1	08/30/2024 10:43

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-1.0	2408K98-001A	Soil	08/22/2024 11:59	GC40 08302413.d	300832

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Decachlorobiphenyl	90	20-145		08/30/2024 10:43

Analyst(s): EEV Analytical Comments: h9,h2,h8

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	GC40 08302414.d	300832

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00012	1	08/30/2024 10:57
a-BHC	ND	0.00012	1	08/30/2024 10:57
b-BHC	ND	0.00012	1	08/30/2024 10:57
d-BHC	ND	0.00012	1	08/30/2024 10:57
g-BHC	ND	0.00012	1	08/30/2024 10:57
Chlordane (Technical)	ND	0.0030	1	08/30/2024 10:57
a-Chlordane	ND	0.00012	1	08/30/2024 10:57
g-Chlordane	ND	0.00012	1	08/30/2024 10:57
p,p-DDD	ND	0.00012	1	08/30/2024 10:57
p,p-DDE	ND	0.00012	1	08/30/2024 10:57
p,p-DDT	ND	0.00012	1	08/30/2024 10:57
Dieldrin	ND	0.00012	1	08/30/2024 10:57
Endosulfan I	ND	0.00012	1	08/30/2024 10:57
Endosulfan II	ND	0.00012	1	08/30/2024 10:57
Endosulfan sulfate	ND	0.00012	1	08/30/2024 10:57
Endrin	ND	0.00012	1	08/30/2024 10:57
Endrin aldehyde	ND	0.00012	1	08/30/2024 10:57
Endrin ketone	ND	0.00012	1	08/30/2024 10:57
Heptachlor	ND	0.00012	1	08/30/2024 10:57
Heptachlor epoxide	ND	0.00012	1	08/30/2024 10:57
Hexachlorobenzene	ND	0.0012	1	08/30/2024 10:57
Hexachlorocyclopentadiene	ND	0.0024	1	08/30/2024 10:57
Methoxychlor	ND	0.00024	1	08/30/2024 10:57
Toxaphene	ND	0.012	1	08/30/2024 10:57
Aroclor1016	ND	0.0061	1	08/30/2024 10:57
Aroclor1221	ND	0.0061	1	08/30/2024 10:57
Aroclor1232	ND	0.0061	1	08/30/2024 10:57
Aroclor1242	ND	0.0061	1	08/30/2024 10:57
Aroclor1248	ND	0.0061	1	08/30/2024 10:57
Aroclor1254	ND	0.0061	1	08/30/2024 10:57
Aroclor1260	ND	0.0061	1	08/30/2024 10:57
PCBs, total	ND	0.0061	1	08/30/2024 10:57

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	GC40 08302414.d	300832

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Decachlorobiphenyl	135	20-145		08/30/2024 10:57

Analyst(s): EEV Analytical Comments: h9,h2,h8

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
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Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	GC40 08302415.d	300832

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00012	1	08/30/2024 11:12
a-BHC	ND	0.00012	1	08/30/2024 11:12
b-BHC	ND	0.00012	1	08/30/2024 11:12
d-BHC	ND	0.00012	1	08/30/2024 11:12
g-BHC	ND	0.00012	1	08/30/2024 11:12
Chlordane (Technical)	ND	0.0031	1	08/30/2024 11:12
a-Chlordane	ND	0.00012	1	08/30/2024 11:12
g-Chlordane	ND	0.00012	1	08/30/2024 11:12
p,p-DDD	ND	0.00012	1	08/30/2024 11:12
p,p-DDE	ND	0.00012	1	08/30/2024 11:12
p,p-DDT	ND	0.00012	1	08/30/2024 11:12
Dieldrin	ND	0.00012	1	08/30/2024 11:12
Endosulfan I	ND	0.00012	1	08/30/2024 11:12
Endosulfan II	ND	0.00012	1	08/30/2024 11:12
Endosulfan sulfate	ND	0.00012	1	08/30/2024 11:12
Endrin	ND	0.00012	1	08/30/2024 11:12
Endrin aldehyde	ND	0.00012	1	08/30/2024 11:12
Endrin ketone	ND	0.00012	1	08/30/2024 11:12
Heptachlor	ND	0.00012	1	08/30/2024 11:12
Heptachlor epoxide	ND	0.00012	1	08/30/2024 11:12
Hexachlorobenzene	ND	0.0012	1	08/30/2024 11:12
Hexachlorocyclopentadiene	ND	0.0025	1	08/30/2024 11:12
Methoxychlor	ND	0.00025	1	08/30/2024 11:12
Toxaphene	ND	0.012	1	08/30/2024 11:12
Aroclor1016	ND	0.0061	1	08/30/2024 11:12
Aroclor1221	ND	0.0061	1	08/30/2024 11:12
Aroclor1232	ND	0.0061	1	08/30/2024 11:12
Aroclor1242	ND	0.0061	1	08/30/2024 11:12
Aroclor1248	ND	0.0061	1	08/30/2024 11:12
Aroclor1254	ND	0.0061	1	08/30/2024 11:12
Aroclor1260	ND	0.0061	1	08/30/2024 11:12
PCBs, total	ND	0.0061	1	08/30/2024 11:12

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	GC40 08302415.d	300832

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Decachlorobiphenyl	79	20-145		08/30/2024 11:12

Analyst(s): EEV Analytical Comments: h9,h2,h8

(Cont.)

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Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	GC40 08302416.d	300832

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Aldrin	ND		0.00013	1	08/30/2024 11:27
a-BHC	ND		0.00013	1	08/30/2024 11:27
b-BHC	ND		0.00013	1	08/30/2024 11:27
d-BHC	ND		0.00013	1	08/30/2024 11:27
g-BHC	ND		0.00013	1	08/30/2024 11:27
Chlordane (Technical)	ND		0.0033	1	08/30/2024 11:27
a-Chlordane	ND		0.00013	1	08/30/2024 11:27
g-Chlordane	ND		0.00013	1	08/30/2024 11:27
p,p-DDD	ND		0.00013	1	08/30/2024 11:27
p,p-DDE	ND		0.00013	1	08/30/2024 11:27
p,p-DDT	**0.0047**		0.00013	1	08/30/2024 11:27
Dieldrin	ND		0.00013	1	08/30/2024 11:27
Endosulfan I	ND		0.00013	1	08/30/2024 11:27
Endosulfan II	ND		0.00013	1	08/30/2024 11:27
Endosulfan sulfate	ND		0.00013	1	08/30/2024 11:27
Endrin	ND		0.00013	1	08/30/2024 11:27
Endrin aldehyde	**0.00042**		0.00013	1	08/30/2024 11:27
Endrin ketone	ND		0.00013	1	08/30/2024 11:27
Heptachlor	ND		0.00013	1	08/30/2024 11:27
Heptachlor epoxide	ND		0.00013	1	08/30/2024 11:27
Hexachlorobenzene	ND		0.0013	1	08/30/2024 11:27
Hexachlorocyclopentadiene	ND		0.0026	1	08/30/2024 11:27
Methoxychlor	ND		0.00026	1	08/30/2024 11:27
Toxaphene	ND		0.013	1	08/30/2024 11:27
Aroclor1016	ND		0.0066	1	08/30/2024 11:27
Aroclor1221	ND		0.0066	1	08/30/2024 11:27
Aroclor1232	ND		0.0066	1	08/30/2024 11:27
Aroclor1242	ND		0.0066	1	08/30/2024 11:27
Aroclor1248	ND		0.0066	1	08/30/2024 11:27
Aroclor1254	**0.047**	A	0.0066	1	08/30/2024 11:27
Aroclor1260	ND		0.0066	1	08/30/2024 11:27
PCBs, total	**0.047**		0.0066	1	08/30/2024 11:27

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	GC40 08302416.d	300832

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Surrogates	**REC (%)**		**Limits**		
Decachlorobiphenyl	74		20-145		08/30/2024 11:27

Analyst(s): EEV Analytical Comments: h9,h2,h8

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-10.0	2408K98-020A	Soil	08/22/2024 09:53	GC40 08302417.d	300832

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00011	1	08/30/2024 11:41
a-BHC	ND	0.00011	1	08/30/2024 11:41
b-BHC	ND	0.00011	1	08/30/2024 11:41
d-BHC	ND	0.00011	1	08/30/2024 11:41
g-BHC	ND	0.00011	1	08/30/2024 11:41
Chlordane (Technical)	ND	0.0027	1	08/30/2024 11:41
a-Chlordane	ND	0.00011	1	08/30/2024 11:41
g-Chlordane	ND	0.00011	1	08/30/2024 11:41
p,p-DDD	ND	0.00011	1	08/30/2024 11:41
p,p-DDE	ND	0.00011	1	08/30/2024 11:41
p,p-DDT	ND	0.00011	1	08/30/2024 11:41
Dieldrin	ND	0.00011	1	08/30/2024 11:41
Endosulfan I	ND	0.00011	1	08/30/2024 11:41
Endosulfan II	ND	0.00011	1	08/30/2024 11:41
Endosulfan sulfate	ND	0.00011	1	08/30/2024 11:41
Endrin	ND	0.00011	1	08/30/2024 11:41
Endrin aldehyde	ND	0.00011	1	08/30/2024 11:41
Endrin ketone	ND	0.00011	1	08/30/2024 11:41
Heptachlor	ND	0.00011	1	08/30/2024 11:41
Heptachlor epoxide	ND	0.00011	1	08/30/2024 11:41
Hexachlorobenzene	ND	0.0011	1	08/30/2024 11:41
Hexachlorocyclopentadiene	ND	0.0022	1	08/30/2024 11:41
Methoxychlor	ND	0.00022	1	08/30/2024 11:41
Toxaphene	ND	0.011	1	08/30/2024 11:41
Aroclor1016	ND	0.0055	1	08/30/2024 11:41
Aroclor1221	ND	0.0055	1	08/30/2024 11:41
Aroclor1232	ND	0.0055	1	08/30/2024 11:41
Aroclor1242	ND	0.0055	1	08/30/2024 11:41
Aroclor1248	ND	0.0055	1	08/30/2024 11:41
Aroclor1254	ND	0.0055	1	08/30/2024 11:41
Aroclor1260	ND	0.0055	1	08/30/2024 11:41
PCBs, total	ND	0.0055	1	08/30/2024 11:41

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-10.0	2408K98-020A	Soil	08/22/2024 09:53	GC40 08302417.d	300832

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Decachlorobiphenyl	90	20-145		08/30/2024 11:41

Analyst(s): EEV Analytical Comments: h9,h2,h8

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	GC40 08302424.d	300832

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00011	1	08/30/2024 13:24
a-BHC	ND	0.00011	1	08/30/2024 13:24
b-BHC	ND	0.00011	1	08/30/2024 13:24
d-BHC	ND	0.00011	1	08/30/2024 13:24
g-BHC	ND	0.00011	1	08/30/2024 13:24
Chlordane (Technical)	ND	0.0028	1	08/30/2024 13:24
a-Chlordane	ND	0.00011	1	08/30/2024 13:24
g-Chlordane	**0.00011**	0.00011	1	08/30/2024 13:24
p,p-DDD	ND	0.00011	1	08/30/2024 13:24
p,p-DDE	ND	0.00011	1	08/30/2024 13:24
p,p-DDT	ND	0.00011	1	08/30/2024 13:24
Dieldrin	ND	0.00011	1	08/30/2024 13:24
Endosulfan I	ND	0.00011	1	08/30/2024 13:24
Endosulfan II	ND	0.00011	1	08/30/2024 13:24
Endosulfan sulfate	ND	0.00011	1	08/30/2024 13:24
Endrin	ND	0.00011	1	08/30/2024 13:24
Endrin aldehyde	ND	0.00011	1	08/30/2024 13:24
Endrin ketone	ND	0.00011	1	08/30/2024 13:24
Heptachlor	ND	0.00011	1	08/30/2024 13:24
Heptachlor epoxide	ND	0.00011	1	08/30/2024 13:24
Hexachlorobenzene	ND	0.0011	1	08/30/2024 13:24
Hexachlorocyclopentadiene	ND	0.0022	1	08/30/2024 13:24
Methoxychlor	ND	0.00022	1	08/30/2024 13:24
Toxaphene	ND	0.011	1	08/30/2024 13:24
Aroclor1016	ND	0.0056	1	08/30/2024 13:24
Aroclor1221	ND	0.0056	1	08/30/2024 13:24
Aroclor1232	ND	0.0056	1	08/30/2024 13:24
Aroclor1242	ND	0.0056	1	08/30/2024 13:24
Aroclor1248	ND	0.0056	1	08/30/2024 13:24
Aroclor1254	ND	0.0056	1	08/30/2024 13:24
Aroclor1260	ND	0.0056	1	08/30/2024 13:24
PCBs, total	ND	0.0056	1	08/30/2024 13:24

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	GC40 08302424.d	300832

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Decachlorobiphenyl	87	20-145		08/30/2024 13:24

Analyst(s): EEV Analytical Comments: h9,h2,h8

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	2408K98-022A	Soil	08/23/2024 08:00	GC20 09042473.D	300832

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00012	1	09/05/2024 05:10
a-BHC	ND	0.00012	1	09/05/2024 05:10
b-BHC	ND	0.00012	1	09/05/2024 05:10
d-BHC	ND	0.00012	1	09/05/2024 05:10
g-BHC	ND	0.00012	1	09/05/2024 05:10
Chlordane (Technical)	ND	0.0030	1	09/05/2024 05:10
a-Chlordane	ND	0.00012	1	09/05/2024 05:10
g-Chlordane	ND	0.00012	1	09/05/2024 05:10
p,p-DDD	ND	0.00012	1	09/05/2024 05:10
p,p-DDE	**0.00015**	0.00012	1	09/05/2024 05:10
p,p-DDT	ND	0.00012	1	09/05/2024 05:10
Dieldrin	ND	0.00012	1	09/05/2024 05:10
Endosulfan I	ND	0.00012	1	09/05/2024 05:10
Endosulfan II	ND	0.00012	1	09/05/2024 05:10
Endosulfan sulfate	ND	0.00012	1	09/05/2024 05:10
Endrin	ND	0.00012	1	09/05/2024 05:10
Endrin aldehyde	ND	0.00012	1	09/05/2024 05:10
Endrin ketone	ND	0.00012	1	09/05/2024 05:10
Heptachlor	ND	0.00012	1	09/05/2024 05:10
Heptachlor epoxide	ND	0.00012	1	09/05/2024 05:10
Hexachlorobenzene	ND	0.0012	1	09/05/2024 05:10
Hexachlorocyclopentadiene	ND	0.0024	1	09/05/2024 05:10
Methoxychlor	ND	0.00024	1	09/05/2024 05:10
Toxaphene	ND	0.012	1	09/05/2024 05:10
Aroclor1016	ND	0.0059	1	09/05/2024 05:10
Aroclor1221	ND	0.0059	1	09/05/2024 05:10
Aroclor1232	ND	0.0059	1	09/05/2024 05:10
Aroclor1242	ND	0.0059	1	09/05/2024 05:10
Aroclor1248	ND	0.0059	1	09/05/2024 05:10
Aroclor1254	ND	0.0059	1	09/05/2024 05:10
Aroclor1260	ND	0.0059	1	09/05/2024 05:10
PCBs, total	ND	0.0059	1	09/05/2024 05:10

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	2408K98-022A	Soil	08/23/2024 08:00	GC20 09042473.D	300832

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Decachlorobiphenyl	106	20-145		09/05/2024 05:10

Analyst(s): CK Analytical Comments: h9,h2,h8

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	GC40 08302425.d	300832

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00011	1	08/30/2024 13:38
a-BHC	ND	0.00011	1	08/30/2024 13:38
b-BHC	ND	0.00011	1	08/30/2024 13:38
d-BHC	ND	0.00011	1	08/30/2024 13:38
g-BHC	ND	0.00011	1	08/30/2024 13:38
Chlordane (Technical)	ND	0.0027	1	08/30/2024 13:38
a-Chlordane	ND	0.00011	1	08/30/2024 13:38
g-Chlordane	ND	0.00011	1	08/30/2024 13:38
p,p-DDD	ND	0.00011	1	08/30/2024 13:38
p,p-DDE	ND	0.00011	1	08/30/2024 13:38
p,p-DDT	ND	0.00011	1	08/30/2024 13:38
Dieldrin	ND	0.00011	1	08/30/2024 13:38
Endosulfan I	ND	0.00011	1	08/30/2024 13:38
Endosulfan II	ND	0.00011	1	08/30/2024 13:38
Endosulfan sulfate	ND	0.00011	1	08/30/2024 13:38
Endrin	ND	0.00011	1	08/30/2024 13:38
Endrin aldehyde	ND	0.00011	1	08/30/2024 13:38
Endrin ketone	ND	0.00011	1	08/30/2024 13:38
Heptachlor	ND	0.00011	1	08/30/2024 13:38
Heptachlor epoxide	ND	0.00011	1	08/30/2024 13:38
Hexachlorobenzene	ND	0.0011	1	08/30/2024 13:38
Hexachlorocyclopentadiene	ND	0.0022	1	08/30/2024 13:38
Methoxychlor	ND	0.00022	1	08/30/2024 13:38
Toxaphene	ND	0.011	1	08/30/2024 13:38
Aroclor1016	ND	0.0055	1	08/30/2024 13:38
Aroclor1221	ND	0.0055	1	08/30/2024 13:38
Aroclor1232	ND	0.0055	1	08/30/2024 13:38
Aroclor1242	ND	0.0055	1	08/30/2024 13:38
Aroclor1248	ND	0.0055	1	08/30/2024 13:38
Aroclor1254	ND	0.0055	1	08/30/2024 13:38
Aroclor1260	ND	0.0055	1	08/30/2024 13:38
PCBs, total	ND	0.0055	1	08/30/2024 13:38

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	GC40 08302425.d	300832

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Decachlorobiphenyl	78	20-145		08/30/2024 13:38

Analyst(s): EEV Analytical Comments: h9,h2,h8

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	GC40 08302426.d	300832

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00013	1	08/30/2024 13:53
a-BHC	ND	0.00013	1	08/30/2024 13:53
b-BHC	ND	0.00013	1	08/30/2024 13:53
d-BHC	ND	0.00013	1	08/30/2024 13:53
g-BHC	ND	0.00013	1	08/30/2024 13:53
Chlordane (Technical)	ND	0.0031	1	08/30/2024 13:53
a-Chlordane	ND	0.00013	1	08/30/2024 13:53
g-Chlordane	ND	0.00013	1	08/30/2024 13:53
p,p-DDD	ND	0.00013	1	08/30/2024 13:53
p,p-DDE	ND	0.00013	1	08/30/2024 13:53
p,p-DDT	ND	0.00013	1	08/30/2024 13:53
Dieldrin	ND	0.00013	1	08/30/2024 13:53
Endosulfan I	ND	0.00013	1	08/30/2024 13:53
Endosulfan II	ND	0.00013	1	08/30/2024 13:53
Endosulfan sulfate	ND	0.00013	1	08/30/2024 13:53
Endrin	ND	0.00013	1	08/30/2024 13:53
Endrin aldehyde	ND	0.00013	1	08/30/2024 13:53
Endrin ketone	ND	0.00013	1	08/30/2024 13:53
Heptachlor	ND	0.00013	1	08/30/2024 13:53
Heptachlor epoxide	ND	0.00013	1	08/30/2024 13:53
Hexachlorobenzene	ND	0.0013	1	08/30/2024 13:53
Hexachlorocyclopentadiene	ND	0.0025	1	08/30/2024 13:53
Methoxychlor	ND	0.00025	1	08/30/2024 13:53
Toxaphene	ND	0.013	1	08/30/2024 13:53
Aroclor1016	ND	0.0063	1	08/30/2024 13:53
Aroclor1221	ND	0.0063	1	08/30/2024 13:53
Aroclor1232	ND	0.0063	1	08/30/2024 13:53
Aroclor1242	ND	0.0063	1	08/30/2024 13:53
Aroclor1248	ND	0.0063	1	08/30/2024 13:53
Aroclor1254	ND	0.0063	1	08/30/2024 13:53
Aroclor1260	ND	0.0063	1	08/30/2024 13:53
PCBs, total	ND	0.0063	1	08/30/2024 13:53

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	GC40 08302426.d	300832

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Decachlorobiphenyl	64	20-145		08/30/2024 13:53

Analyst(s): EEV

Analytical Comments: h9,h2,h8

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	GC40 08302427.d	300832

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00012	1	08/30/2024 14:08
a-BHC	ND	0.00012	1	08/30/2024 14:08
b-BHC	ND	0.00012	1	08/30/2024 14:08
d-BHC	ND	0.00012	1	08/30/2024 14:08
g-BHC	ND	0.00012	1	08/30/2024 14:08
Chlordane (Technical)	ND	0.0030	1	08/30/2024 14:08
a-Chlordane	ND	0.00012	1	08/30/2024 14:08
g-Chlordane	ND	0.00012	1	08/30/2024 14:08
p,p-DDD	ND	0.00012	1	08/30/2024 14:08
p,p-DDE	ND	0.00012	1	08/30/2024 14:08
p,p-DDT	ND	0.00012	1	08/30/2024 14:08
Dieldrin	ND	0.00012	1	08/30/2024 14:08
Endosulfan I	ND	0.00012	1	08/30/2024 14:08
Endosulfan II	ND	0.00012	1	08/30/2024 14:08
Endosulfan sulfate	ND	0.00012	1	08/30/2024 14:08
Endrin	ND	0.00012	1	08/30/2024 14:08
Endrin aldehyde	ND	0.00012	1	08/30/2024 14:08
Endrin ketone	ND	0.00012	1	08/30/2024 14:08
Heptachlor	ND	0.00012	1	08/30/2024 14:08
Heptachlor epoxide	ND	0.00012	1	08/30/2024 14:08
Hexachlorobenzene	ND	0.0012	1	08/30/2024 14:08
Hexachlorocyclopentadiene	ND	0.0024	1	08/30/2024 14:08
Methoxychlor	ND	0.00024	1	08/30/2024 14:08
Toxaphene	ND	0.012	1	08/30/2024 14:08
Aroclor1016	ND	0.0061	1	08/30/2024 14:08
Aroclor1221	ND	0.0061	1	08/30/2024 14:08
Aroclor1232	ND	0.0061	1	08/30/2024 14:08
Aroclor1242	ND	0.0061	1	08/30/2024 14:08
Aroclor1248	ND	0.0061	1	08/30/2024 14:08
Aroclor1254	ND	0.0061	1	08/30/2024 14:08
Aroclor1260	ND	0.0061	1	08/30/2024 14:08
PCBs, total	ND	0.0061	1	08/30/2024 14:08

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	GC40 08302427.d	300832

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Decachlorobiphenyl	66	20-145		08/30/2024 14:08

Analyst(s): EEV

Analytical Comments: h9,h2,h8

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	GC40 08302428.d	300832

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00012	1	08/30/2024 14:22
a-BHC	ND	0.00012	1	08/30/2024 14:22
b-BHC	ND	0.00012	1	08/30/2024 14:22
d-BHC	ND	0.00012	1	08/30/2024 14:22
g-BHC	ND	0.00012	1	08/30/2024 14:22
Chlordane (Technical)	ND	0.0030	1	08/30/2024 14:22
a-Chlordane	ND	0.00012	1	08/30/2024 14:22
g-Chlordane	ND	0.00012	1	08/30/2024 14:22
p,p-DDD	ND	0.00012	1	08/30/2024 14:22
p,p-DDE	ND	0.00012	1	08/30/2024 14:22
p,p-DDT	ND	0.00012	1	08/30/2024 14:22
Dieldrin	ND	0.00012	1	08/30/2024 14:22
Endosulfan I	ND	0.00012	1	08/30/2024 14:22
Endosulfan II	ND	0.00012	1	08/30/2024 14:22
Endosulfan sulfate	ND	0.00012	1	08/30/2024 14:22
Endrin	ND	0.00012	1	08/30/2024 14:22
Endrin aldehyde	ND	0.00012	1	08/30/2024 14:22
Endrin ketone	ND	0.00012	1	08/30/2024 14:22
Heptachlor	ND	0.00012	1	08/30/2024 14:22
Heptachlor epoxide	ND	0.00012	1	08/30/2024 14:22
Hexachlorobenzene	ND	0.0012	1	08/30/2024 14:22
Hexachlorocyclopentadiene	ND	0.0024	1	08/30/2024 14:22
Methoxychlor	ND	0.00024	1	08/30/2024 14:22
Toxaphene	ND	0.012	1	08/30/2024 14:22
Aroclor1016	ND	0.0060	1	08/30/2024 14:22
Aroclor1221	ND	0.0060	1	08/30/2024 14:22
Aroclor1232	ND	0.0060	1	08/30/2024 14:22
Aroclor1242	ND	0.0060	1	08/30/2024 14:22
Aroclor1248	ND	0.0060	1	08/30/2024 14:22
Aroclor1254	ND	0.0060	1	08/30/2024 14:22
Aroclor1260	ND	0.0060	1	08/30/2024 14:22
PCBs, total	ND	0.0060	1	08/30/2024 14:22

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	GC40 08302428.d	300832

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Decachlorobiphenyl	83	20-145		08/30/2024 14:22

Analyst(s): EEV

Analytical Comments: h9,h2,h8

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	GC40 08302429.d	300832

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00013	1	08/30/2024 14:37
a-BHC	ND	0.00013	1	08/30/2024 14:37
b-BHC	ND	0.00013	1	08/30/2024 14:37
d-BHC	ND	0.00013	1	08/30/2024 14:37
g-BHC	ND	0.00013	1	08/30/2024 14:37
Chlordane (Technical)	ND	0.0033	1	08/30/2024 14:37
a-Chlordane	ND	0.00013	1	08/30/2024 14:37
g-Chlordane	ND	0.00013	1	08/30/2024 14:37
p,p-DDD	ND	0.00013	1	08/30/2024 14:37
p,p-DDE	ND	0.00013	1	08/30/2024 14:37
p,p-DDT	**0.00029**	0.00013	1	08/30/2024 14:37
Dieldrin	ND	0.00013	1	08/30/2024 14:37
Endosulfan I	ND	0.00013	1	08/30/2024 14:37
Endosulfan II	ND	0.00013	1	08/30/2024 14:37
Endosulfan sulfate	ND	0.00013	1	08/30/2024 14:37
Endrin	ND	0.00013	1	08/30/2024 14:37
Endrin aldehyde	ND	0.00013	1	08/30/2024 14:37
Endrin ketone	ND	0.00013	1	08/30/2024 14:37
Heptachlor	ND	0.00013	1	08/30/2024 14:37
Heptachlor epoxide	ND	0.00013	1	08/30/2024 14:37
Hexachlorobenzene	ND	0.0013	1	08/30/2024 14:37
Hexachlorocyclopentadiene	ND	0.0026	1	08/30/2024 14:37
Methoxychlor	ND	0.00026	1	08/30/2024 14:37
Toxaphene	ND	0.013	1	08/30/2024 14:37
Aroclor1016	ND	0.0065	1	08/30/2024 14:37
Aroclor1221	ND	0.0065	1	08/30/2024 14:37
Aroclor1232	ND	0.0065	1	08/30/2024 14:37
Aroclor1242	ND	0.0065	1	08/30/2024 14:37
Aroclor1248	ND	0.0065	1	08/30/2024 14:37
Aroclor1254	ND	0.0065	1	08/30/2024 14:37
Aroclor1260	ND	0.0065	1	08/30/2024 14:37
PCBs, total	ND	0.0065	1	08/30/2024 14:37

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	08/29/2024	**Analytical Method:**	SW8081B/8082A
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Organochlorine Pesticides + PCBs w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	GC40 08302429.d	300832

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Decachlorobiphenyl	74	20-145		08/30/2024 14:37

Analyst(s): EEV Analytical Comments: h9,h2,h8

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-1.0	2408K98-001A	Soil	08/22/2024 11:59	GC49 08292419.D	300747

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.23	1	08/29/2024 20:38
tert-Amyl methyl ether (TAME)	ND	0.0058	1	08/29/2024 20:38
Benzene	ND	0.0058	1	08/29/2024 20:38
Bromobenzene	ND	0.0058	1	08/29/2024 20:38
Bromochloromethane	ND	0.0058	1	08/29/2024 20:38
Bromodichloromethane	ND	0.0058	1	08/29/2024 20:38
Bromoform	ND	0.0058	1	08/29/2024 20:38
Bromomethane	ND	0.0058	1	08/29/2024 20:38
2-Butanone (MEK)	ND	0.12	1	08/29/2024 20:38
t-Butyl alcohol (TBA)	ND	0.058	1	08/29/2024 20:38
n-Butyl benzene	ND	0.0058	1	08/29/2024 20:38
sec-Butyl benzene	ND	0.0058	1	08/29/2024 20:38
tert-Butyl benzene	ND	0.0058	1	08/29/2024 20:38
Carbon Disulfide	ND	0.0058	1	08/29/2024 20:38
Carbon Tetrachloride	ND	0.0058	1	08/29/2024 20:38
Chlorobenzene	ND	0.0058	1	08/29/2024 20:38
Chloroethane	ND	0.0058	1	08/29/2024 20:38
Chloroform	ND	0.0058	1	08/29/2024 20:38
Chloromethane	ND	0.0058	1	08/29/2024 20:38
2-Chlorotoluene	ND	0.0058	1	08/29/2024 20:38
4-Chlorotoluene	ND	0.0058	1	08/29/2024 20:38
Dibromochloromethane	ND	0.0058	1	08/29/2024 20:38
1,2-Dibromo-3-chloropropane	ND	0.00058	1	08/29/2024 20:38
1,2-Dibromoethane (EDB)	ND	0.00029	1	08/29/2024 20:38
Dibromomethane	ND	0.0058	1	08/29/2024 20:38
1,2-Dichlorobenzene	ND	0.0058	1	08/29/2024 20:38
1,3-Dichlorobenzene	ND	0.0058	1	08/29/2024 20:38
1,4-Dichlorobenzene	ND	0.0058	1	08/29/2024 20:38
Dichlorodifluoromethane	ND	0.0058	1	08/29/2024 20:38
1,1-Dichloroethane	ND	0.0058	1	08/29/2024 20:38
1,2-Dichloroethane (1,2-DCA)	ND	0.00012	1	08/29/2024 20:38
1,1-Dichloroethene	ND	0.0058	1	08/29/2024 20:38
cis-1,2-Dichloroethene	ND	0.0058	1	08/29/2024 20:38
trans-1,2-Dichloroethene	ND	0.0058	1	08/29/2024 20:38
1,2-Dichloropropane	ND	0.0058	1	08/29/2024 20:38
1,3-Dichloropropane	ND	0.0058	1	08/29/2024 20:38

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-1.0	2408K98-001A	Soil	08/22/2024 11:59	GC49 08292419.D	300747

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.0058	1	08/29/2024 20:38
1,1-Dichloropropene	ND	0.0058	1	08/29/2024 20:38
cis-1,3-Dichloropropene	ND	0.0058	1	08/29/2024 20:38
trans-1,3-Dichloropropene	ND	0.0058	1	08/29/2024 20:38
Diisopropyl ether (DIPE)	ND	0.0058	1	08/29/2024 20:38
Ethylbenzene	ND	0.0058	1	08/29/2024 20:38
Ethyl tert-butyl ether (ETBE)	ND	0.0058	1	08/29/2024 20:38
Freon 113	ND	0.0058	1	08/29/2024 20:38
Hexachlorobutadiene	ND	0.0058	1	08/29/2024 20:38
Hexachloroethane	ND	0.0058	1	08/29/2024 20:38
2-Hexanone	ND	0.0058	1	08/29/2024 20:38
Isopropylbenzene	ND	0.0058	1	08/29/2024 20:38
4-Isopropyl toluene	ND	0.0058	1	08/29/2024 20:38
Methyl-t-butyl ether (MTBE)	ND	0.0058	1	08/29/2024 20:38
Methylene chloride	ND	0.023	1	08/29/2024 20:38
4-Methyl-2-pentanone (MIBK)	ND	0.0058	1	08/29/2024 20:38
Naphthalene	ND	0.0058	1	08/29/2024 20:38
n-Propyl benzene	ND	0.0058	1	08/29/2024 20:38
Styrene	ND	0.0058	1	08/29/2024 20:38
1,1,1,2-Tetrachloroethane	ND	0.0058	1	08/29/2024 20:38
1,1,2,2-Tetrachloroethane	ND	0.0058	1	08/29/2024 20:38
Tetrachloroethene	ND	0.0058	1	08/29/2024 20:38
Toluene	ND	0.0058	1	08/29/2024 20:38
1,2,3-Trichlorobenzene	ND	0.0058	1	08/29/2024 20:38
1,2,4-Trichlorobenzene	ND	0.0058	1	08/29/2024 20:38
1,1,1-Trichloroethane	ND	0.0058	1	08/29/2024 20:38
1,1,2-Trichloroethane	ND	0.0058	1	08/29/2024 20:38
Trichloroethene	ND	0.0058	1	08/29/2024 20:38
Trichlorofluoromethane	ND	0.0058	1	08/29/2024 20:38
1,2,3-Trichloropropane	ND	0.00029	1	08/29/2024 20:38
1,2,4-Trimethylbenzene	ND	0.0058	1	08/29/2024 20:38
1,3,5-Trimethylbenzene	ND	0.0058	1	08/29/2024 20:38
Vinyl Chloride	ND	0.00029	1	08/29/2024 20:38
m,p-Xylene	ND	0.0058	1	08/29/2024 20:38
o-Xylene	ND	0.0058	1	08/29/2024 20:38
Xylenes, Total	ND	0.0058	1	08/29/2024 20:38

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-1.0	2408K98-001A	Soil	08/22/2024 11:59	GC49 08292419.D	300747

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	93	70-140		08/29/2024 20:38
Toluene-d8	109	70-140		08/29/2024 20:38
4-BFB	100	70-140		08/29/2024 20:38
Benzene-d6	97	50-140		08/29/2024 20:38
Ethylbenzene-d10	113	50-140		08/29/2024 20:38
1,2-DCB-d4	70	40-140		08/29/2024 20:38

Analyst(s): TW

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	GC49 08292420.D	300747

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.24	1	08/29/2024 21:21
tert-Amyl methyl ether (TAME)	ND	0.0061	1	08/29/2024 21:21
Benzene	ND	0.0061	1	08/29/2024 21:21
Bromobenzene	ND	0.0061	1	08/29/2024 21:21
Bromochloromethane	ND	0.0061	1	08/29/2024 21:21
Bromodichloromethane	ND	0.0061	1	08/29/2024 21:21
Bromoform	ND	0.0061	1	08/29/2024 21:21
Bromomethane	ND	0.0061	1	08/29/2024 21:21
2-Butanone (MEK)	ND	0.12	1	08/29/2024 21:21
t-Butyl alcohol (TBA)	ND	0.061	1	08/29/2024 21:21
n-Butyl benzene	ND	0.0061	1	08/29/2024 21:21
sec-Butyl benzene	ND	0.0061	1	08/29/2024 21:21
tert-Butyl benzene	ND	0.0061	1	08/29/2024 21:21
Carbon Disulfide	ND	0.0061	1	08/29/2024 21:21
Carbon Tetrachloride	ND	0.0061	1	08/29/2024 21:21
Chlorobenzene	ND	0.0061	1	08/29/2024 21:21
Chloroethane	ND	0.0061	1	08/29/2024 21:21
Chloroform	ND	0.0061	1	08/29/2024 21:21
Chloromethane	ND	0.0061	1	08/29/2024 21:21
2-Chlorotoluene	ND	0.0061	1	08/29/2024 21:21
4-Chlorotoluene	ND	0.0061	1	08/29/2024 21:21
Dibromochloromethane	ND	0.0061	1	08/29/2024 21:21
1,2-Dibromo-3-chloropropane	ND	0.00061	1	08/29/2024 21:21
1,2-Dibromoethane (EDB)	ND	0.00030	1	08/29/2024 21:21
Dibromomethane	ND	0.0061	1	08/29/2024 21:21
1,2-Dichlorobenzene	ND	0.0061	1	08/29/2024 21:21
1,3-Dichlorobenzene	ND	0.0061	1	08/29/2024 21:21
1,4-Dichlorobenzene	ND	0.0061	1	08/29/2024 21:21
Dichlorodifluoromethane	ND	0.0061	1	08/29/2024 21:21
1,1-Dichloroethane	ND	0.0061	1	08/29/2024 21:21
1,2-Dichloroethane (1,2-DCA)	ND	0.00012	1	08/29/2024 21:21
1,1-Dichloroethene	ND	0.0061	1	08/29/2024 21:21
cis-1,2-Dichloroethene	ND	0.0061	1	08/29/2024 21:21
trans-1,2-Dichloroethene	ND	0.0061	1	08/29/2024 21:21
1,2-Dichloropropane	ND	0.0061	1	08/29/2024 21:21
1,3-Dichloropropane	ND	0.0061	1	08/29/2024 21:21

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	GC49 08292420.D	300747

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.0061	1	08/29/2024 21:21
1,1-Dichloropropene	ND	0.0061	1	08/29/2024 21:21
cis-1,3-Dichloropropene	ND	0.0061	1	08/29/2024 21:21
trans-1,3-Dichloropropene	ND	0.0061	1	08/29/2024 21:21
Diisopropyl ether (DIPE)	ND	0.0061	1	08/29/2024 21:21
Ethylbenzene	ND	0.0061	1	08/29/2024 21:21
Ethyl tert-butyl ether (ETBE)	ND	0.0061	1	08/29/2024 21:21
Freon 113	ND	0.0061	1	08/29/2024 21:21
Hexachlorobutadiene	ND	0.0061	1	08/29/2024 21:21
Hexachloroethane	ND	0.0061	1	08/29/2024 21:21
2-Hexanone	ND	0.0061	1	08/29/2024 21:21
Isopropylbenzene	ND	0.0061	1	08/29/2024 21:21
4-Isopropyl toluene	ND	0.0061	1	08/29/2024 21:21
Methyl-t-butyl ether (MTBE)	ND	0.0061	1	08/29/2024 21:21
Methylene chloride	ND	0.024	1	08/29/2024 21:21
4-Methyl-2-pentanone (MIBK)	ND	0.0061	1	08/29/2024 21:21
Naphthalene	ND	0.0061	1	08/29/2024 21:21
n-Propyl benzene	ND	0.0061	1	08/29/2024 21:21
Styrene	ND	0.0061	1	08/29/2024 21:21
1,1,1,2-Tetrachloroethane	ND	0.0061	1	08/29/2024 21:21
1,1,2,2-Tetrachloroethane	ND	0.0061	1	08/29/2024 21:21
Tetrachloroethene	ND	0.0061	1	08/29/2024 21:21
Toluene	ND	0.0061	1	08/29/2024 21:21
1,2,3-Trichlorobenzene	ND	0.0061	1	08/29/2024 21:21
1,2,4-Trichlorobenzene	ND	0.0061	1	08/29/2024 21:21
1,1,1-Trichloroethane	ND	0.0061	1	08/29/2024 21:21
1,1,2-Trichloroethane	ND	0.0061	1	08/29/2024 21:21
Trichloroethene	ND	0.0061	1	08/29/2024 21:21
Trichlorofluoromethane	ND	0.0061	1	08/29/2024 21:21
1,2,3-Trichloropropane	ND	0.00030	1	08/29/2024 21:21
1,2,4-Trimethylbenzene	ND	0.0061	1	08/29/2024 21:21
1,3,5-Trimethylbenzene	ND	0.0061	1	08/29/2024 21:21
Vinyl Chloride	ND	0.00030	1	08/29/2024 21:21
m,p-Xylene	ND	0.0061	1	08/29/2024 21:21
o-Xylene	ND	0.0061	1	08/29/2024 21:21
Xylenes, Total	ND	0.0061	1	08/29/2024 21:21

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	GC49 08292420.D	300747

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	93	70-140		08/29/2024 21:21
Toluene-d8	109	70-140		08/29/2024 21:21
4-BFB	101	70-140		08/29/2024 21:21
Benzene-d6	94	50-140		08/29/2024 21:21
Ethylbenzene-d10	107	50-140		08/29/2024 21:21
1,2-DCB-d4	67	40-140		08/29/2024 21:21

Analyst(s): TW

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	GC49 08292421.D	300747

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.25	1	08/29/2024 22:03
tert-Amyl methyl ether (TAME)	ND	0.0061	1	08/29/2024 22:03
Benzene	ND	0.0061	1	08/29/2024 22:03
Bromobenzene	ND	0.0061	1	08/29/2024 22:03
Bromochloromethane	ND	0.0061	1	08/29/2024 22:03
Bromodichloromethane	ND	0.0061	1	08/29/2024 22:03
Bromoform	ND	0.0061	1	08/29/2024 22:03
Bromomethane	ND	0.0061	1	08/29/2024 22:03
2-Butanone (MEK)	ND	0.12	1	08/29/2024 22:03
t-Butyl alcohol (TBA)	ND	0.061	1	08/29/2024 22:03
n-Butyl benzene	ND	0.0061	1	08/29/2024 22:03
sec-Butyl benzene	ND	0.0061	1	08/29/2024 22:03
tert-Butyl benzene	ND	0.0061	1	08/29/2024 22:03
Carbon Disulfide	ND	0.0061	1	08/29/2024 22:03
Carbon Tetrachloride	ND	0.0061	1	08/29/2024 22:03
Chlorobenzene	ND	0.0061	1	08/29/2024 22:03
Chloroethane	ND	0.0061	1	08/29/2024 22:03
Chloroform	ND	0.0061	1	08/29/2024 22:03
Chloromethane	ND	0.0061	1	08/29/2024 22:03
2-Chlorotoluene	ND	0.0061	1	08/29/2024 22:03
4-Chlorotoluene	ND	0.0061	1	08/29/2024 22:03
Dibromochloromethane	ND	0.0061	1	08/29/2024 22:03
1,2-Dibromo-3-chloropropane	ND	0.00061	1	08/29/2024 22:03
1,2-Dibromoethane (EDB)	ND	0.00031	1	08/29/2024 22:03
Dibromomethane	ND	0.0061	1	08/29/2024 22:03
1,2-Dichlorobenzene	ND	0.0061	1	08/29/2024 22:03
1,3-Dichlorobenzene	ND	0.0061	1	08/29/2024 22:03
1,4-Dichlorobenzene	ND	0.0061	1	08/29/2024 22:03
Dichlorodifluoromethane	ND	0.0061	1	08/29/2024 22:03
1,1-Dichloroethane	ND	0.0061	1	08/29/2024 22:03
1,2-Dichloroethane (1,2-DCA)	ND	0.00012	1	08/29/2024 22:03
1,1-Dichloroethene	ND	0.0061	1	08/29/2024 22:03
cis-1,2-Dichloroethene	ND	0.0061	1	08/29/2024 22:03
trans-1,2-Dichloroethene	ND	0.0061	1	08/29/2024 22:03
1,2-Dichloropropane	ND	0.0061	1	08/29/2024 22:03
1,3-Dichloropropane	ND	0.0061	1	08/29/2024 22:03

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	GC49 08292421.D	300747

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.0061	1	08/29/2024 22:03
1,1-Dichloropropene	ND	0.0061	1	08/29/2024 22:03
cis-1,3-Dichloropropene	ND	0.0061	1	08/29/2024 22:03
trans-1,3-Dichloropropene	ND	0.0061	1	08/29/2024 22:03
Diisopropyl ether (DIPE)	ND	0.0061	1	08/29/2024 22:03
Ethylbenzene	ND	0.0061	1	08/29/2024 22:03
Ethyl tert-butyl ether (ETBE)	ND	0.0061	1	08/29/2024 22:03
Freon 113	ND	0.0061	1	08/29/2024 22:03
Hexachlorobutadiene	ND	0.0061	1	08/29/2024 22:03
Hexachloroethane	ND	0.0061	1	08/29/2024 22:03
2-Hexanone	ND	0.0061	1	08/29/2024 22:03
Isopropylbenzene	ND	0.0061	1	08/29/2024 22:03
4-Isopropyl toluene	ND	0.0061	1	08/29/2024 22:03
Methyl-t-butyl ether (MTBE)	ND	0.0061	1	08/29/2024 22:03
Methylene chloride	ND	0.025	1	08/29/2024 22:03
4-Methyl-2-pentanone (MIBK)	ND	0.0061	1	08/29/2024 22:03
Naphthalene	ND	0.0061	1	08/29/2024 22:03
n-Propyl benzene	ND	0.0061	1	08/29/2024 22:03
Styrene	ND	0.0061	1	08/29/2024 22:03
1,1,1,2-Tetrachloroethane	ND	0.0061	1	08/29/2024 22:03
1,1,2,2-Tetrachloroethane	ND	0.0061	1	08/29/2024 22:03
Tetrachloroethene	ND	0.0061	1	08/29/2024 22:03
Toluene	ND	0.0061	1	08/29/2024 22:03
1,2,3-Trichlorobenzene	ND	0.0061	1	08/29/2024 22:03
1,2,4-Trichlorobenzene	ND	0.0061	1	08/29/2024 22:03
1,1,1-Trichloroethane	ND	0.0061	1	08/29/2024 22:03
1,1,2-Trichloroethane	ND	0.0061	1	08/29/2024 22:03
Trichloroethene	ND	0.0061	1	08/29/2024 22:03
Trichlorofluoromethane	ND	0.0061	1	08/29/2024 22:03
1,2,3-Trichloropropane	ND	0.00031	1	08/29/2024 22:03
1,2,4-Trimethylbenzene	ND	0.0061	1	08/29/2024 22:03
1,3,5-Trimethylbenzene	ND	0.0061	1	08/29/2024 22:03
Vinyl Chloride	ND	0.00031	1	08/29/2024 22:03
m,p-Xylene	ND	0.0061	1	08/29/2024 22:03
o-Xylene	ND	0.0061	1	08/29/2024 22:03
Xylenes, Total	ND	0.0061	1	08/29/2024 22:03

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	GC49 08292421.D	300747

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	93	70-140		08/29/2024 22:03
Toluene-d8	108	70-140		08/29/2024 22:03
4-BFB	100	70-140		08/29/2024 22:03
Benzene-d6	89	50-140		08/29/2024 22:03
Ethylbenzene-d10	102	50-140		08/29/2024 22:03
1,2-DCB-d4	66	40-140		08/29/2024 22:03

Analyst(s): TW

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	GC49 08292422.D	300747

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.26	1	08/29/2024 22:47
tert-Amyl methyl ether (TAME)	ND	0.0066	1	08/29/2024 22:47
Benzene	ND	0.0066	1	08/29/2024 22:47
Bromobenzene	ND	0.0066	1	08/29/2024 22:47
Bromochloromethane	ND	0.0066	1	08/29/2024 22:47
Bromodichloromethane	ND	0.0066	1	08/29/2024 22:47
Bromoform	ND	0.0066	1	08/29/2024 22:47
Bromomethane	ND	0.0066	1	08/29/2024 22:47
2-Butanone (MEK)	ND	0.13	1	08/29/2024 22:47
t-Butyl alcohol (TBA)	ND	0.066	1	08/29/2024 22:47
n-Butyl benzene	ND	0.0066	1	08/29/2024 22:47
sec-Butyl benzene	ND	0.0066	1	08/29/2024 22:47
tert-Butyl benzene	ND	0.0066	1	08/29/2024 22:47
Carbon Disulfide	ND	0.0066	1	08/29/2024 22:47
Carbon Tetrachloride	ND	0.0066	1	08/29/2024 22:47
Chlorobenzene	ND	0.0066	1	08/29/2024 22:47
Chloroethane	ND	0.0066	1	08/29/2024 22:47
Chloroform	ND	0.0066	1	08/29/2024 22:47
Chloromethane	ND	0.0066	1	08/29/2024 22:47
2-Chlorotoluene	ND	0.0066	1	08/29/2024 22:47
4-Chlorotoluene	ND	0.0066	1	08/29/2024 22:47
Dibromochloromethane	ND	0.0066	1	08/29/2024 22:47
1,2-Dibromo-3-chloropropane	ND	0.00066	1	08/29/2024 22:47
1,2-Dibromoethane (EDB)	ND	0.00033	1	08/29/2024 22:47
Dibromomethane	ND	0.0066	1	08/29/2024 22:47
1,2-Dichlorobenzene	ND	0.0066	1	08/29/2024 22:47
1,3-Dichlorobenzene	ND	0.0066	1	08/29/2024 22:47
1,4-Dichlorobenzene	ND	0.0066	1	08/29/2024 22:47
Dichlorodifluoromethane	ND	0.0066	1	08/29/2024 22:47
1,1-Dichloroethane	ND	0.0066	1	08/29/2024 22:47
1,2-Dichloroethane (1,2-DCA)	ND	0.00013	1	08/29/2024 22:47
1,1-Dichloroethene	ND	0.0066	1	08/29/2024 22:47
cis-1,2-Dichloroethene	ND	0.0066	1	08/29/2024 22:47
trans-1,2-Dichloroethene	ND	0.0066	1	08/29/2024 22:47
1,2-Dichloropropane	ND	0.0066	1	08/29/2024 22:47
1,3-Dichloropropane	ND	0.0066	1	08/29/2024 22:47

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	GC49 08292422.D	300747

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.0066	1	08/29/2024 22:47
1,1-Dichloropropene	ND	0.0066	1	08/29/2024 22:47
cis-1,3-Dichloropropene	ND	0.0066	1	08/29/2024 22:47
trans-1,3-Dichloropropene	ND	0.0066	1	08/29/2024 22:47
Diisopropyl ether (DIPE)	ND	0.0066	1	08/29/2024 22:47
Ethylbenzene	ND	0.0066	1	08/29/2024 22:47
Ethyl tert-butyl ether (ETBE)	ND	0.0066	1	08/29/2024 22:47
Freon 113	ND	0.0066	1	08/29/2024 22:47
Hexachlorobutadiene	ND	0.0066	1	08/29/2024 22:47
Hexachloroethane	ND	0.0066	1	08/29/2024 22:47
2-Hexanone	ND	0.0066	1	08/29/2024 22:47
Isopropylbenzene	ND	0.0066	1	08/29/2024 22:47
4-Isopropyl toluene	ND	0.0066	1	08/29/2024 22:47
Methyl-t-butyl ether (MTBE)	ND	0.0066	1	08/29/2024 22:47
Methylene chloride	ND	0.026	1	08/29/2024 22:47
4-Methyl-2-pentanone (MIBK)	ND	0.0066	1	08/29/2024 22:47
Naphthalene	ND	0.0066	1	08/29/2024 22:47
n-Propyl benzene	ND	0.0066	1	08/29/2024 22:47
Styrene	ND	0.0066	1	08/29/2024 22:47
1,1,1,2-Tetrachloroethane	ND	0.0066	1	08/29/2024 22:47
1,1,2,2-Tetrachloroethane	ND	0.0066	1	08/29/2024 22:47
Tetrachloroethene	ND	0.0066	1	08/29/2024 22:47
Toluene	ND	0.0066	1	08/29/2024 22:47
1,2,3-Trichlorobenzene	ND	0.0066	1	08/29/2024 22:47
1,2,4-Trichlorobenzene	ND	0.0066	1	08/29/2024 22:47
1,1,1-Trichloroethane	ND	0.0066	1	08/29/2024 22:47
1,1,2-Trichloroethane	ND	0.0066	1	08/29/2024 22:47
Trichloroethene	ND	0.0066	1	08/29/2024 22:47
Trichlorofluoromethane	ND	0.0066	1	08/29/2024 22:47
1,2,3-Trichloropropane	ND	0.00033	1	08/29/2024 22:47
1,2,4-Trimethylbenzene	ND	0.0066	1	08/29/2024 22:47
1,3,5-Trimethylbenzene	ND	0.0066	1	08/29/2024 22:47
Vinyl Chloride	ND	0.00033	1	08/29/2024 22:47
m,p-Xylene	ND	0.0066	1	08/29/2024 22:47
o-Xylene	ND	0.0066	1	08/29/2024 22:47
Xylenes, Total	ND	0.0066	1	08/29/2024 22:47

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	GC49 08292422.D	300747

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	93	70-140		08/29/2024 22:47
Toluene-d8	110	70-140		08/29/2024 22:47
4-BFB	103	70-140		08/29/2024 22:47
Benzene-d6	101	50-140		08/29/2024 22:47
Ethylbenzene-d10	123	50-140		08/29/2024 22:47
1,2-DCB-d4	77	40-140		08/29/2024 22:47

Analyst(s): TW

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-10.0	2408K98-020A	Soil	08/22/2024 09:53	GC38 08292433.D	300747

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.22	1	08/30/2024 04:21
tert-Amyl methyl ether (TAME)	ND	0.0055	1	08/30/2024 04:21
Benzene	ND	0.0055	1	08/30/2024 04:21
Bromobenzene	ND	0.0055	1	08/30/2024 04:21
Bromochloromethane	ND	0.0055	1	08/30/2024 04:21
Bromodichloromethane	ND	0.0055	1	08/30/2024 04:21
Bromoform	ND	0.0055	1	08/30/2024 04:21
Bromomethane	ND	0.0055	1	08/30/2024 04:21
2-Butanone (MEK)	ND	0.11	1	08/30/2024 04:21
t-Butyl alcohol (TBA)	ND	0.055	1	08/30/2024 04:21
n-Butyl benzene	ND	0.0055	1	08/30/2024 04:21
sec-Butyl benzene	ND	0.0055	1	08/30/2024 04:21
tert-Butyl benzene	ND	0.0055	1	08/30/2024 04:21
Carbon Disulfide	ND	0.0055	1	08/30/2024 04:21
Carbon Tetrachloride	ND	0.0055	1	08/30/2024 04:21
Chlorobenzene	ND	0.0055	1	08/30/2024 04:21
Chloroethane	ND	0.0055	1	08/30/2024 04:21
Chloroform	ND	0.0055	1	08/30/2024 04:21
Chloromethane	ND	0.0055	1	08/30/2024 04:21
2-Chlorotoluene	ND	0.0055	1	08/30/2024 04:21
4-Chlorotoluene	ND	0.0055	1	08/30/2024 04:21
Dibromochloromethane	ND	0.0055	1	08/30/2024 04:21
1,2-Dibromo-3-chloropropane	ND	0.00055	1	08/30/2024 04:21
1,2-Dibromoethane (EDB)	ND	0.00027	1	08/30/2024 04:21
Dibromomethane	ND	0.0055	1	08/30/2024 04:21
1,2-Dichlorobenzene	ND	0.0055	1	08/30/2024 04:21
1,3-Dichlorobenzene	ND	0.0055	1	08/30/2024 04:21
1,4-Dichlorobenzene	ND	0.0055	1	08/30/2024 04:21
Dichlorodifluoromethane	ND	0.0055	1	08/30/2024 04:21
1,1-Dichloroethane	ND	0.0055	1	08/30/2024 04:21
1,2-Dichloroethane (1,2-DCA)	ND	0.00011	1	08/30/2024 04:21
1,1-Dichloroethene	ND	0.0055	1	08/30/2024 04:21
cis-1,2-Dichloroethene	ND	0.0055	1	08/30/2024 04:21
trans-1,2-Dichloroethene	ND	0.0055	1	08/30/2024 04:21
1,2-Dichloropropane	ND	0.0055	1	08/30/2024 04:21
1,3-Dichloropropane	ND	0.0055	1	08/30/2024 04:21

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-10.0	2408K98-020A	Soil	08/22/2024 09:53	GC38 08292433.D	300747

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.0055	1	08/30/2024 04:21
1,1-Dichloropropene	ND	0.0055	1	08/30/2024 04:21
cis-1,3-Dichloropropene	ND	0.0055	1	08/30/2024 04:21
trans-1,3-Dichloropropene	ND	0.0055	1	08/30/2024 04:21
Diisopropyl ether (DIPE)	ND	0.0055	1	08/30/2024 04:21
Ethylbenzene	ND	0.0055	1	08/30/2024 04:21
Ethyl tert-butyl ether (ETBE)	ND	0.0055	1	08/30/2024 04:21
Freon 113	ND	0.0055	1	08/30/2024 04:21
Hexachlorobutadiene	ND	0.0055	1	08/30/2024 04:21
Hexachloroethane	ND	0.0055	1	08/30/2024 04:21
2-Hexanone	ND	0.0055	1	08/30/2024 04:21
Isopropylbenzene	ND	0.0055	1	08/30/2024 04:21
4-Isopropyl toluene	ND	0.0055	1	08/30/2024 04:21
Methyl-t-butyl ether (MTBE)	ND	0.0055	1	08/30/2024 04:21
Methylene chloride	ND	0.022	1	08/30/2024 04:21
4-Methyl-2-pentanone (MIBK)	ND	0.0055	1	08/30/2024 04:21
Naphthalene	ND	0.0055	1	08/30/2024 04:21
n-Propyl benzene	ND	0.0055	1	08/30/2024 04:21
Styrene	ND	0.0055	1	08/30/2024 04:21
1,1,1,2-Tetrachloroethane	ND	0.0055	1	08/30/2024 04:21
1,1,2,2-Tetrachloroethane	ND	0.0055	1	08/30/2024 04:21
Tetrachloroethene	ND	0.0055	1	08/30/2024 04:21
Toluene	ND	0.0055	1	08/30/2024 04:21
1,2,3-Trichlorobenzene	ND	0.0055	1	08/30/2024 04:21
1,2,4-Trichlorobenzene	ND	0.0055	1	08/30/2024 04:21
1,1,1-Trichloroethane	ND	0.0055	1	08/30/2024 04:21
1,1,2-Trichloroethane	ND	0.0055	1	08/30/2024 04:21
Trichloroethene	ND	0.0055	1	08/30/2024 04:21
Trichlorofluoromethane	ND	0.0055	1	08/30/2024 04:21
1,2,3-Trichloropropane	ND	0.00027	1	08/30/2024 04:21
1,2,4-Trimethylbenzene	ND	0.0055	1	08/30/2024 04:21
1,3,5-Trimethylbenzene	ND	0.0055	1	08/30/2024 04:21
Vinyl Chloride	ND	0.00027	1	08/30/2024 04:21
m,p-Xylene	ND	0.0055	1	08/30/2024 04:21
o-Xylene	ND	0.0055	1	08/30/2024 04:21
Xylenes, Total	ND	0.0055	1	08/30/2024 04:21

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-10.0	2408K98-020A	Soil	08/22/2024 09:53	GC38 08292433.D	300747

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	81	70-140		08/30/2024 04:21
Toluene-d8	103	70-140		08/30/2024 04:21
4-BFB	95	70-140		08/30/2024 04:21
Benzene-d6	95	50-140		08/30/2024 04:21
Ethylbenzene-d10	115	50-140		08/30/2024 04:21
1,2-DCB-d4	76	40-140		08/30/2024 04:21

Analyst(s): CLO

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	GC38 08292434.D	300747

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.22	1	08/30/2024 04:59
tert-Amyl methyl ether (TAME)	ND	0.0056	1	08/30/2024 04:59
Benzene	ND	0.0056	1	08/30/2024 04:59
Bromobenzene	ND	0.0056	1	08/30/2024 04:59
Bromochloromethane	ND	0.0056	1	08/30/2024 04:59
Bromodichloromethane	ND	0.0056	1	08/30/2024 04:59
Bromoform	ND	0.0056	1	08/30/2024 04:59
Bromomethane	ND	0.0056	1	08/30/2024 04:59
2-Butanone (MEK)	ND	0.11	1	08/30/2024 04:59
t-Butyl alcohol (TBA)	ND	0.056	1	08/30/2024 04:59
n-Butyl benzene	ND	0.0056	1	08/30/2024 04:59
sec-Butyl benzene	ND	0.0056	1	08/30/2024 04:59
tert-Butyl benzene	ND	0.0056	1	08/30/2024 04:59
Carbon Disulfide	ND	0.0056	1	08/30/2024 04:59
Carbon Tetrachloride	ND	0.0056	1	08/30/2024 04:59
Chlorobenzene	ND	0.0056	1	08/30/2024 04:59
Chloroethane	ND	0.0056	1	08/30/2024 04:59
Chloroform	ND	0.0056	1	08/30/2024 04:59
Chloromethane	ND	0.0056	1	08/30/2024 04:59
2-Chlorotoluene	ND	0.0056	1	08/30/2024 04:59
4-Chlorotoluene	ND	0.0056	1	08/30/2024 04:59
Dibromochloromethane	ND	0.0056	1	08/30/2024 04:59
1,2-Dibromo-3-chloropropane	ND	0.00056	1	08/30/2024 04:59
1,2-Dibromoethane (EDB)	ND	0.00028	1	08/30/2024 04:59
Dibromomethane	ND	0.0056	1	08/30/2024 04:59
1,2-Dichlorobenzene	ND	0.0056	1	08/30/2024 04:59
1,3-Dichlorobenzene	ND	0.0056	1	08/30/2024 04:59
1,4-Dichlorobenzene	ND	0.0056	1	08/30/2024 04:59
Dichlorodifluoromethane	ND	0.0056	1	08/30/2024 04:59
1,1-Dichloroethane	ND	0.0056	1	08/30/2024 04:59
1,2-Dichloroethane (1,2-DCA)	ND	0.00011	1	08/30/2024 04:59
1,1-Dichloroethene	ND	0.0056	1	08/30/2024 04:59
cis-1,2-Dichloroethene	ND	0.0056	1	08/30/2024 04:59
trans-1,2-Dichloroethene	ND	0.0056	1	08/30/2024 04:59
1,2-Dichloropropane	ND	0.0056	1	08/30/2024 04:59
1,3-Dichloropropane	ND	0.0056	1	08/30/2024 04:59

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	GC38 08292434.D	300747

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.0056	1	08/30/2024 04:59
1,1-Dichloropropene	ND	0.0056	1	08/30/2024 04:59
cis-1,3-Dichloropropene	ND	0.0056	1	08/30/2024 04:59
trans-1,3-Dichloropropene	ND	0.0056	1	08/30/2024 04:59
Diisopropyl ether (DIPE)	ND	0.0056	1	08/30/2024 04:59
Ethylbenzene	ND	0.0056	1	08/30/2024 04:59
Ethyl tert-butyl ether (ETBE)	ND	0.0056	1	08/30/2024 04:59
Freon 113	ND	0.0056	1	08/30/2024 04:59
Hexachlorobutadiene	ND	0.0056	1	08/30/2024 04:59
Hexachloroethane	ND	0.0056	1	08/30/2024 04:59
2-Hexanone	ND	0.0056	1	08/30/2024 04:59
Isopropylbenzene	ND	0.0056	1	08/30/2024 04:59
4-Isopropyl toluene	ND	0.0056	1	08/30/2024 04:59
Methyl-t-butyl ether (MTBE)	ND	0.0056	1	08/30/2024 04:59
Methylene chloride	ND	0.022	1	08/30/2024 04:59
4-Methyl-2-pentanone (MIBK)	ND	0.0056	1	08/30/2024 04:59
Naphthalene	ND	0.0056	1	08/30/2024 04:59
n-Propyl benzene	ND	0.0056	1	08/30/2024 04:59
Styrene	ND	0.0056	1	08/30/2024 04:59
1,1,1,2-Tetrachloroethane	ND	0.0056	1	08/30/2024 04:59
1,1,2,2-Tetrachloroethane	ND	0.0056	1	08/30/2024 04:59
Tetrachloroethene	ND	0.0056	1	08/30/2024 04:59
Toluene	**0.13**	0.0056	1	08/30/2024 04:59
1,2,3-Trichlorobenzene	ND	0.0056	1	08/30/2024 04:59
1,2,4-Trichlorobenzene	ND	0.0056	1	08/30/2024 04:59
1,1,1-Trichloroethane	ND	0.0056	1	08/30/2024 04:59
1,1,2-Trichloroethane	ND	0.0056	1	08/30/2024 04:59
Trichloroethene	ND	0.0056	1	08/30/2024 04:59
Trichlorofluoromethane	ND	0.0056	1	08/30/2024 04:59
1,2,3-Trichloropropane	ND	0.00028	1	08/30/2024 04:59
1,2,4-Trimethylbenzene	ND	0.0056	1	08/30/2024 04:59
1,3,5-Trimethylbenzene	ND	0.0056	1	08/30/2024 04:59
Vinyl Chloride	ND	0.00028	1	08/30/2024 04:59
m,p-Xylene	**0.012**	0.0056	1	08/30/2024 04:59
o-Xylene	ND	0.0056	1	08/30/2024 04:59
Xylenes, Total	**0.012**	0.0056	1	08/30/2024 04:59

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	GC38 08292434.D	300747

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	81	70-140		08/30/2024 04:59
Toluene-d8	102	70-140		08/30/2024 04:59
4-BFB	96	70-140		08/30/2024 04:59
Benzene-d6	89	50-140		08/30/2024 04:59
Ethylbenzene-d10	104	50-140		08/30/2024 04:59
1,2-DCB-d4	72	40-140		08/30/2024 04:59

Analyst(s): CLO

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	2408K98-022A	Soil	08/23/2024 08:00	GC38 09032406.D	300829

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.24	1	09/03/2024 11:18
tert-Amyl methyl ether (TAME)	ND	0.0059	1	09/03/2024 11:18
Benzene	ND	0.0059	1	09/03/2024 11:18
Bromobenzene	ND	0.0059	1	09/03/2024 11:18
Bromochloromethane	ND	0.0059	1	09/03/2024 11:18
Bromodichloromethane	ND	0.0059	1	09/03/2024 11:18
Bromoform	ND	0.0059	1	09/03/2024 11:18
Bromomethane	ND	0.0059	1	09/03/2024 11:18
2-Butanone (MEK)	ND	0.12	1	09/03/2024 11:18
t-Butyl alcohol (TBA)	ND	0.059	1	09/03/2024 11:18
n-Butyl benzene	ND	0.0059	1	09/03/2024 11:18
sec-Butyl benzene	ND	0.0059	1	09/03/2024 11:18
tert-Butyl benzene	ND	0.0059	1	09/03/2024 11:18
Carbon Disulfide	ND	0.0059	1	09/03/2024 11:18
Carbon Tetrachloride	ND	0.0059	1	09/03/2024 11:18
Chlorobenzene	ND	0.0059	1	09/03/2024 11:18
Chloroethane	ND	0.0059	1	09/03/2024 11:18
Chloroform	ND	0.0059	1	09/03/2024 11:18
Chloromethane	ND	0.0059	1	09/03/2024 11:18
2-Chlorotoluene	ND	0.0059	1	09/03/2024 11:18
4-Chlorotoluene	ND	0.0059	1	09/03/2024 11:18
Dibromochloromethane	ND	0.0059	1	09/03/2024 11:18
1,2-Dibromo-3-chloropropane	ND	0.00059	1	09/03/2024 11:18
1,2-Dibromoethane (EDB)	ND	0.00030	1	09/03/2024 11:18
Dibromomethane	ND	0.0059	1	09/03/2024 11:18
1,2-Dichlorobenzene	ND	0.0059	1	09/03/2024 11:18
1,3-Dichlorobenzene	ND	0.0059	1	09/03/2024 11:18
1,4-Dichlorobenzene	ND	0.0059	1	09/03/2024 11:18
Dichlorodifluoromethane	ND	0.0059	1	09/03/2024 11:18
1,1-Dichloroethane	ND	0.0059	1	09/03/2024 11:18
1,2-Dichloroethane (1,2-DCA)	ND	0.00012	1	09/03/2024 11:18
1,1-Dichloroethene	ND	0.0059	1	09/03/2024 11:18
cis-1,2-Dichloroethene	ND	0.0059	1	09/03/2024 11:18
trans-1,2-Dichloroethene	ND	0.0059	1	09/03/2024 11:18
1,2-Dichloropropane	ND	0.0059	1	09/03/2024 11:18
1,3-Dichloropropane	ND	0.0059	1	09/03/2024 11:18

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	2408K98-022A	Soil	08/23/2024 08:00	GC38 09032406.D	300829

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.0059	1	09/03/2024 11:18
1,1-Dichloropropene	ND	0.0059	1	09/03/2024 11:18
cis-1,3-Dichloropropene	ND	0.0059	1	09/03/2024 11:18
trans-1,3-Dichloropropene	ND	0.0059	1	09/03/2024 11:18
Diisopropyl ether (DIPE)	ND	0.0059	1	09/03/2024 11:18
Ethylbenzene	ND	0.0059	1	09/03/2024 11:18
Ethyl tert-butyl ether (ETBE)	ND	0.0059	1	09/03/2024 11:18
Freon 113	ND	0.0059	1	09/03/2024 11:18
Hexachlorobutadiene	ND	0.0059	1	09/03/2024 11:18
Hexachloroethane	ND	0.0059	1	09/03/2024 11:18
2-Hexanone	ND	0.0059	1	09/03/2024 11:18
Isopropylbenzene	ND	0.0059	1	09/03/2024 11:18
4-Isopropyl toluene	ND	0.0059	1	09/03/2024 11:18
Methyl-t-butyl ether (MTBE)	ND	0.0059	1	09/03/2024 11:18
Methylene chloride	ND	0.024	1	09/03/2024 11:18
4-Methyl-2-pentanone (MIBK)	ND	0.0059	1	09/03/2024 11:18
Naphthalene	ND	0.0059	1	09/03/2024 11:18
n-Propyl benzene	ND	0.0059	1	09/03/2024 11:18
Styrene	ND	0.0059	1	09/03/2024 11:18
1,1,1,2-Tetrachloroethane	ND	0.0059	1	09/03/2024 11:18
1,1,2,2-Tetrachloroethane	ND	0.0059	1	09/03/2024 11:18
Tetrachloroethene	ND	0.0059	1	09/03/2024 11:18
Toluene	ND	0.0059	1	09/03/2024 11:18
1,2,3-Trichlorobenzene	ND	0.0059	1	09/03/2024 11:18
1,2,4-Trichlorobenzene	ND	0.0059	1	09/03/2024 11:18
1,1,1-Trichloroethane	ND	0.0059	1	09/03/2024 11:18
1,1,2-Trichloroethane	ND	0.0059	1	09/03/2024 11:18
Trichloroethene	ND	0.0059	1	09/03/2024 11:18
Trichlorofluoromethane	ND	0.0059	1	09/03/2024 11:18
1,2,3-Trichloropropane	ND	0.00030	1	09/03/2024 11:18
1,2,4-Trimethylbenzene	**0.011**	0.0059	1	09/03/2024 11:18
1,3,5-Trimethylbenzene	ND	0.0059	1	09/03/2024 11:18
Vinyl Chloride	ND	0.00030	1	09/03/2024 11:18
m,p-Xylene	ND	0.0059	1	09/03/2024 11:18
o-Xylene	ND	0.0059	1	09/03/2024 11:18
Xylenes, Total	ND	0.0059	1	09/03/2024 11:18

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	2408K98-022A	Soil	08/23/2024 08:00	GC38 09032406.D	300829

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	77	70-140		09/03/2024 11:18
Toluene-d8	104	70-140		09/03/2024 11:18
4-BFB	95	70-140		09/03/2024 11:18
Benzene-d6	77	50-140		09/03/2024 11:18
Ethylbenzene-d10	98	50-140		09/03/2024 11:18
1,2-DCB-d4	66	40-140		09/03/2024 11:18

Analyst(s): CLO

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	GC49 08302407.D	300747

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.22	1	08/30/2024 11:46
tert-Amyl methyl ether (TAME)	ND	0.0055	1	08/30/2024 11:46
Benzene	ND	0.0055	1	08/30/2024 11:46
Bromobenzene	ND	0.0055	1	08/30/2024 11:46
Bromochloromethane	ND	0.0055	1	08/30/2024 11:46
Bromodichloromethane	ND	0.0055	1	08/30/2024 11:46
Bromoform	ND	0.0055	1	08/30/2024 11:46
Bromomethane	ND	0.0055	1	08/30/2024 11:46
2-Butanone (MEK)	ND	0.11	1	08/30/2024 11:46
t-Butyl alcohol (TBA)	ND	0.055	1	08/30/2024 11:46
n-Butyl benzene	ND	0.0055	1	08/30/2024 11:46
sec-Butyl benzene	ND	0.0055	1	08/30/2024 11:46
tert-Butyl benzene	ND	0.0055	1	08/30/2024 11:46
Carbon Disulfide	ND	0.0055	1	08/30/2024 11:46
Carbon Tetrachloride	ND	0.0055	1	08/30/2024 11:46
Chlorobenzene	ND	0.0055	1	08/30/2024 11:46
Chloroethane	ND	0.0055	1	08/30/2024 11:46
Chloroform	ND	0.0055	1	08/30/2024 11:46
Chloromethane	ND	0.0055	1	08/30/2024 11:46
2-Chlorotoluene	ND	0.0055	1	08/30/2024 11:46
4-Chlorotoluene	ND	0.0055	1	08/30/2024 11:46
Dibromochloromethane	ND	0.0055	1	08/30/2024 11:46
1,2-Dibromo-3-chloropropane	ND	0.00055	1	08/30/2024 11:46
1,2-Dibromoethane (EDB)	ND	0.00027	1	08/30/2024 11:46
Dibromomethane	ND	0.0055	1	08/30/2024 11:46
1,2-Dichlorobenzene	ND	0.0055	1	08/30/2024 11:46
1,3-Dichlorobenzene	ND	0.0055	1	08/30/2024 11:46
1,4-Dichlorobenzene	ND	0.0055	1	08/30/2024 11:46
Dichlorodifluoromethane	ND	0.0055	1	08/30/2024 11:46
1,1-Dichloroethane	ND	0.0055	1	08/30/2024 11:46
1,2-Dichloroethane (1,2-DCA)	ND	0.00011	1	08/30/2024 11:46
1,1-Dichloroethene	ND	0.0055	1	08/30/2024 11:46
cis-1,2-Dichloroethene	ND	0.0055	1	08/30/2024 11:46
trans-1,2-Dichloroethene	ND	0.0055	1	08/30/2024 11:46
1,2-Dichloropropane	ND	0.0055	1	08/30/2024 11:46
1,3-Dichloropropane	ND	0.0055	1	08/30/2024 11:46

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	GC49 08302407.D	300747

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.0055	1	08/30/2024 11:46
1,1-Dichloropropene	ND	0.0055	1	08/30/2024 11:46
cis-1,3-Dichloropropene	ND	0.0055	1	08/30/2024 11:46
trans-1,3-Dichloropropene	ND	0.0055	1	08/30/2024 11:46
Diisopropyl ether (DIPE)	ND	0.0055	1	08/30/2024 11:46
Ethylbenzene	ND	0.0055	1	08/30/2024 11:46
Ethyl tert-butyl ether (ETBE)	ND	0.0055	1	08/30/2024 11:46
Freon 113	ND	0.0055	1	08/30/2024 11:46
Hexachlorobutadiene	ND	0.0055	1	08/30/2024 11:46
Hexachloroethane	ND	0.0055	1	08/30/2024 11:46
2-Hexanone	ND	0.0055	1	08/30/2024 11:46
Isopropylbenzene	ND	0.0055	1	08/30/2024 11:46
4-Isopropyl toluene	ND	0.0055	1	08/30/2024 11:46
Methyl-t-butyl ether (MTBE)	ND	0.0055	1	08/30/2024 11:46
Methylene chloride	ND	0.022	1	08/30/2024 11:46
4-Methyl-2-pentanone (MIBK)	ND	0.0055	1	08/30/2024 11:46
Naphthalene	ND	0.0055	1	08/30/2024 11:46
n-Propyl benzene	ND	0.0055	1	08/30/2024 11:46
Styrene	ND	0.0055	1	08/30/2024 11:46
1,1,1,2-Tetrachloroethane	ND	0.0055	1	08/30/2024 11:46
1,1,2,2-Tetrachloroethane	ND	0.0055	1	08/30/2024 11:46
Tetrachloroethene	ND	0.0055	1	08/30/2024 11:46
Toluene	ND	0.0055	1	08/30/2024 11:46
1,2,3-Trichlorobenzene	ND	0.0055	1	08/30/2024 11:46
1,2,4-Trichlorobenzene	ND	0.0055	1	08/30/2024 11:46
1,1,1-Trichloroethane	ND	0.0055	1	08/30/2024 11:46
1,1,2-Trichloroethane	ND	0.0055	1	08/30/2024 11:46
Trichloroethene	ND	0.0055	1	08/30/2024 11:46
Trichlorofluoromethane	ND	0.0055	1	08/30/2024 11:46
1,2,3-Trichloropropane	ND	0.00027	1	08/30/2024 11:46
1,2,4-Trimethylbenzene	ND	0.0055	1	08/30/2024 11:46
1,3,5-Trimethylbenzene	ND	0.0055	1	08/30/2024 11:46
Vinyl Chloride	ND	0.00027	1	08/30/2024 11:46
m,p-Xylene	ND	0.0055	1	08/30/2024 11:46
o-Xylene	ND	0.0055	1	08/30/2024 11:46
Xylenes, Total	ND	0.0055	1	08/30/2024 11:46

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	GC49 08302407.D	300747

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	93	70-140		08/30/2024 11:46
Toluene-d8	108	70-140		08/30/2024 11:46
4-BFB	102	70-140		08/30/2024 11:46
Benzene-d6	101	50-140		08/30/2024 11:46
Ethylbenzene-d10	118	50-140		08/30/2024 11:46
1,2-DCB-d4	69	40-140		08/30/2024 11:46

Analyst(s): MSH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	GC49 08302408.D	300747

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.25	1	08/30/2024 12:31
tert-Amyl methyl ether (TAME)	ND	0.0063	1	08/30/2024 12:31
Benzene	ND	0.0063	1	08/30/2024 12:31
Bromobenzene	ND	0.0063	1	08/30/2024 12:31
Bromochloromethane	ND	0.0063	1	08/30/2024 12:31
Bromodichloromethane	ND	0.0063	1	08/30/2024 12:31
Bromoform	ND	0.0063	1	08/30/2024 12:31
Bromomethane	ND	0.0063	1	08/30/2024 12:31
2-Butanone (MEK)	ND	0.13	1	08/30/2024 12:31
t-Butyl alcohol (TBA)	ND	0.063	1	08/30/2024 12:31
n-Butyl benzene	ND	0.0063	1	08/30/2024 12:31
sec-Butyl benzene	ND	0.0063	1	08/30/2024 12:31
tert-Butyl benzene	ND	0.0063	1	08/30/2024 12:31
Carbon Disulfide	ND	0.0063	1	08/30/2024 12:31
Carbon Tetrachloride	ND	0.0063	1	08/30/2024 12:31
Chlorobenzene	ND	0.0063	1	08/30/2024 12:31
Chloroethane	ND	0.0063	1	08/30/2024 12:31
Chloroform	ND	0.0063	1	08/30/2024 12:31
Chloromethane	ND	0.0063	1	08/30/2024 12:31
2-Chlorotoluene	ND	0.0063	1	08/30/2024 12:31
4-Chlorotoluene	ND	0.0063	1	08/30/2024 12:31
Dibromochloromethane	ND	0.0063	1	08/30/2024 12:31
1,2-Dibromo-3-chloropropane	ND	0.00063	1	08/30/2024 12:31
1,2-Dibromoethane (EDB)	ND	0.00031	1	08/30/2024 12:31
Dibromomethane	ND	0.0063	1	08/30/2024 12:31
1,2-Dichlorobenzene	ND	0.0063	1	08/30/2024 12:31
1,3-Dichlorobenzene	ND	0.0063	1	08/30/2024 12:31
1,4-Dichlorobenzene	ND	0.0063	1	08/30/2024 12:31
Dichlorodifluoromethane	ND	0.0063	1	08/30/2024 12:31
1,1-Dichloroethane	ND	0.0063	1	08/30/2024 12:31
1,2-Dichloroethane (1,2-DCA)	ND	0.00013	1	08/30/2024 12:31
1,1-Dichloroethene	ND	0.0063	1	08/30/2024 12:31
cis-1,2-Dichloroethene	ND	0.0063	1	08/30/2024 12:31
trans-1,2-Dichloroethene	ND	0.0063	1	08/30/2024 12:31
1,2-Dichloropropane	ND	0.0063	1	08/30/2024 12:31
1,3-Dichloropropane	ND	0.0063	1	08/30/2024 12:31

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	GC49 08302408.D	300747

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.0063	1	08/30/2024 12:31
1,1-Dichloropropene	ND	0.0063	1	08/30/2024 12:31
cis-1,3-Dichloropropene	ND	0.0063	1	08/30/2024 12:31
trans-1,3-Dichloropropene	ND	0.0063	1	08/30/2024 12:31
Diisopropyl ether (DIPE)	ND	0.0063	1	08/30/2024 12:31
Ethylbenzene	ND	0.0063	1	08/30/2024 12:31
Ethyl tert-butyl ether (ETBE)	ND	0.0063	1	08/30/2024 12:31
Freon 113	ND	0.0063	1	08/30/2024 12:31
Hexachlorobutadiene	ND	0.0063	1	08/30/2024 12:31
Hexachloroethane	ND	0.0063	1	08/30/2024 12:31
2-Hexanone	ND	0.0063	1	08/30/2024 12:31
Isopropylbenzene	ND	0.0063	1	08/30/2024 12:31
4-Isopropyl toluene	ND	0.0063	1	08/30/2024 12:31
Methyl-t-butyl ether (MTBE)	ND	0.0063	1	08/30/2024 12:31
Methylene chloride	ND	0.025	1	08/30/2024 12:31
4-Methyl-2-pentanone (MIBK)	ND	0.0063	1	08/30/2024 12:31
Naphthalene	ND	0.0063	1	08/30/2024 12:31
n-Propyl benzene	ND	0.0063	1	08/30/2024 12:31
Styrene	ND	0.0063	1	08/30/2024 12:31
1,1,1,2-Tetrachloroethane	ND	0.0063	1	08/30/2024 12:31
1,1,2,2-Tetrachloroethane	ND	0.0063	1	08/30/2024 12:31
Tetrachloroethene	ND	0.0063	1	08/30/2024 12:31
Toluene	ND	0.0063	1	08/30/2024 12:31
1,2,3-Trichlorobenzene	ND	0.0063	1	08/30/2024 12:31
1,2,4-Trichlorobenzene	ND	0.0063	1	08/30/2024 12:31
1,1,1-Trichloroethane	ND	0.0063	1	08/30/2024 12:31
1,1,2-Trichloroethane	ND	0.0063	1	08/30/2024 12:31
Trichloroethene	ND	0.0063	1	08/30/2024 12:31
Trichlorofluoromethane	ND	0.0063	1	08/30/2024 12:31
1,2,3-Trichloropropane	ND	0.00031	1	08/30/2024 12:31
1,2,4-Trimethylbenzene	ND	0.0063	1	08/30/2024 12:31
1,3,5-Trimethylbenzene	ND	0.0063	1	08/30/2024 12:31
Vinyl Chloride	ND	0.00031	1	08/30/2024 12:31
m,p-Xylene	ND	0.0063	1	08/30/2024 12:31
o-Xylene	ND	0.0063	1	08/30/2024 12:31
Xylenes, Total	ND	0.0063	1	08/30/2024 12:31

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	GC49 08302408.D	300747

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	94	70-140		08/30/2024 12:31
Toluene-d8	107	70-140		08/30/2024 12:31
4-BFB	100	70-140		08/30/2024 12:31
Benzene-d6	93	50-140		08/30/2024 12:31
Ethylbenzene-d10	108	50-140		08/30/2024 12:31
1,2-DCB-d4	67	40-140		08/30/2024 12:31

Analyst(s): MSH

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	GC49 08302409.D	300747

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.24	1	08/30/2024 13:16
tert-Amyl methyl ether (TAME)	ND	0.0061	1	08/30/2024 13:16
Benzene	ND	0.0061	1	08/30/2024 13:16
Bromobenzene	ND	0.0061	1	08/30/2024 13:16
Bromochloromethane	ND	0.0061	1	08/30/2024 13:16
Bromodichloromethane	ND	0.0061	1	08/30/2024 13:16
Bromoform	ND	0.0061	1	08/30/2024 13:16
Bromomethane	ND	0.0061	1	08/30/2024 13:16
2-Butanone (MEK)	ND	0.12	1	08/30/2024 13:16
t-Butyl alcohol (TBA)	ND	0.061	1	08/30/2024 13:16
n-Butyl benzene	ND	0.0061	1	08/30/2024 13:16
sec-Butyl benzene	ND	0.0061	1	08/30/2024 13:16
tert-Butyl benzene	ND	0.0061	1	08/30/2024 13:16
Carbon Disulfide	ND	0.0061	1	08/30/2024 13:16
Carbon Tetrachloride	ND	0.0061	1	08/30/2024 13:16
Chlorobenzene	ND	0.0061	1	08/30/2024 13:16
Chloroethane	ND	0.0061	1	08/30/2024 13:16
Chloroform	ND	0.0061	1	08/30/2024 13:16
Chloromethane	ND	0.0061	1	08/30/2024 13:16
2-Chlorotoluene	ND	0.0061	1	08/30/2024 13:16
4-Chlorotoluene	ND	0.0061	1	08/30/2024 13:16
Dibromochloromethane	ND	0.0061	1	08/30/2024 13:16
1,2-Dibromo-3-chloropropane	ND	0.00061	1	08/30/2024 13:16
1,2-Dibromoethane (EDB)	ND	0.00030	1	08/30/2024 13:16
Dibromomethane	ND	0.0061	1	08/30/2024 13:16
1,2-Dichlorobenzene	ND	0.0061	1	08/30/2024 13:16
1,3-Dichlorobenzene	ND	0.0061	1	08/30/2024 13:16
1,4-Dichlorobenzene	ND	0.0061	1	08/30/2024 13:16
Dichlorodifluoromethane	ND	0.0061	1	08/30/2024 13:16
1,1-Dichloroethane	ND	0.0061	1	08/30/2024 13:16
1,2-Dichloroethane (1,2-DCA)	ND	0.00012	1	08/30/2024 13:16
1,1-Dichloroethene	ND	0.0061	1	08/30/2024 13:16
cis-1,2-Dichloroethene	ND	0.0061	1	08/30/2024 13:16
trans-1,2-Dichloroethene	ND	0.0061	1	08/30/2024 13:16
1,2-Dichloropropane	ND	0.0061	1	08/30/2024 13:16
1,3-Dichloropropane	ND	0.0061	1	08/30/2024 13:16

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	GC49 08302409.D	300747

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.0061	1	08/30/2024 13:16
1,1-Dichloropropene	ND	0.0061	1	08/30/2024 13:16
cis-1,3-Dichloropropene	ND	0.0061	1	08/30/2024 13:16
trans-1,3-Dichloropropene	ND	0.0061	1	08/30/2024 13:16
Diisopropyl ether (DIPE)	ND	0.0061	1	08/30/2024 13:16
Ethylbenzene	ND	0.0061	1	08/30/2024 13:16
Ethyl tert-butyl ether (ETBE)	ND	0.0061	1	08/30/2024 13:16
Freon 113	ND	0.0061	1	08/30/2024 13:16
Hexachlorobutadiene	ND	0.0061	1	08/30/2024 13:16
Hexachloroethane	ND	0.0061	1	08/30/2024 13:16
2-Hexanone	ND	0.0061	1	08/30/2024 13:16
Isopropylbenzene	ND	0.0061	1	08/30/2024 13:16
4-Isopropyl toluene	ND	0.0061	1	08/30/2024 13:16
Methyl-t-butyl ether (MTBE)	ND	0.0061	1	08/30/2024 13:16
Methylene chloride	ND	0.024	1	08/30/2024 13:16
4-Methyl-2-pentanone (MIBK)	ND	0.0061	1	08/30/2024 13:16
Naphthalene	ND	0.0061	1	08/30/2024 13:16
n-Propyl benzene	ND	0.0061	1	08/30/2024 13:16
Styrene	ND	0.0061	1	08/30/2024 13:16
1,1,1,2-Tetrachloroethane	ND	0.0061	1	08/30/2024 13:16
1,1,2,2-Tetrachloroethane	ND	0.0061	1	08/30/2024 13:16
Tetrachloroethene	ND	0.0061	1	08/30/2024 13:16
Toluene	ND	0.0061	1	08/30/2024 13:16
1,2,3-Trichlorobenzene	ND	0.0061	1	08/30/2024 13:16
1,2,4-Trichlorobenzene	ND	0.0061	1	08/30/2024 13:16
1,1,1-Trichloroethane	ND	0.0061	1	08/30/2024 13:16
1,1,2-Trichloroethane	ND	0.0061	1	08/30/2024 13:16
Trichloroethene	ND	0.0061	1	08/30/2024 13:16
Trichlorofluoromethane	ND	0.0061	1	08/30/2024 13:16
1,2,3-Trichloropropane	ND	0.00030	1	08/30/2024 13:16
1,2,4-Trimethylbenzene	ND	0.0061	1	08/30/2024 13:16
1,3,5-Trimethylbenzene	ND	0.0061	1	08/30/2024 13:16
Vinyl Chloride	ND	0.00030	1	08/30/2024 13:16
m,p-Xylene	ND	0.0061	1	08/30/2024 13:16
o-Xylene	ND	0.0061	1	08/30/2024 13:16
Xylenes, Total	ND	0.0061	1	08/30/2024 13:16

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	GC49 08302409.D	300747

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	94	70-140		08/30/2024 13:16
Toluene-d8	106	70-140		08/30/2024 13:16
4-BFB	99	70-140		08/30/2024 13:16
Benzene-d6	92	50-140		08/30/2024 13:16
Ethylbenzene-d10	105	50-140		08/30/2024 13:16
1,2-DCB-d4	66	40-140		08/30/2024 13:16

Analyst(s): TW

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	GC49 08302410.D	300747

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.24	1	08/30/2024 14:02
tert-Amyl methyl ether (TAME)	ND	0.0060	1	08/30/2024 14:02
Benzene	ND	0.0060	1	08/30/2024 14:02
Bromobenzene	ND	0.0060	1	08/30/2024 14:02
Bromochloromethane	ND	0.0060	1	08/30/2024 14:02
Bromodichloromethane	ND	0.0060	1	08/30/2024 14:02
Bromoform	ND	0.0060	1	08/30/2024 14:02
Bromomethane	ND	0.0060	1	08/30/2024 14:02
2-Butanone (MEK)	ND	0.12	1	08/30/2024 14:02
t-Butyl alcohol (TBA)	ND	0.060	1	08/30/2024 14:02
n-Butyl benzene	ND	0.0060	1	08/30/2024 14:02
sec-Butyl benzene	ND	0.0060	1	08/30/2024 14:02
tert-Butyl benzene	ND	0.0060	1	08/30/2024 14:02
Carbon Disulfide	ND	0.0060	1	08/30/2024 14:02
Carbon Tetrachloride	ND	0.0060	1	08/30/2024 14:02
Chlorobenzene	ND	0.0060	1	08/30/2024 14:02
Chloroethane	ND	0.0060	1	08/30/2024 14:02
Chloroform	ND	0.0060	1	08/30/2024 14:02
Chloromethane	ND	0.0060	1	08/30/2024 14:02
2-Chlorotoluene	ND	0.0060	1	08/30/2024 14:02
4-Chlorotoluene	ND	0.0060	1	08/30/2024 14:02
Dibromochloromethane	ND	0.0060	1	08/30/2024 14:02
1,2-Dibromo-3-chloropropane	ND	0.00060	1	08/30/2024 14:02
1,2-Dibromoethane (EDB)	ND	0.00030	1	08/30/2024 14:02
Dibromomethane	ND	0.0060	1	08/30/2024 14:02
1,2-Dichlorobenzene	ND	0.0060	1	08/30/2024 14:02
1,3-Dichlorobenzene	ND	0.0060	1	08/30/2024 14:02
1,4-Dichlorobenzene	ND	0.0060	1	08/30/2024 14:02
Dichlorodifluoromethane	ND	0.0060	1	08/30/2024 14:02
1,1-Dichloroethane	ND	0.0060	1	08/30/2024 14:02
1,2-Dichloroethane (1,2-DCA)	ND	0.00012	1	08/30/2024 14:02
1,1-Dichloroethene	ND	0.0060	1	08/30/2024 14:02
cis-1,2-Dichloroethene	ND	0.0060	1	08/30/2024 14:02
trans-1,2-Dichloroethene	ND	0.0060	1	08/30/2024 14:02
1,2-Dichloropropane	ND	0.0060	1	08/30/2024 14:02
1,3-Dichloropropane	ND	0.0060	1	08/30/2024 14:02

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	GC49 08302410.D	300747

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.0060	1	08/30/2024 14:02
1,1-Dichloropropene	ND	0.0060	1	08/30/2024 14:02
cis-1,3-Dichloropropene	ND	0.0060	1	08/30/2024 14:02
trans-1,3-Dichloropropene	ND	0.0060	1	08/30/2024 14:02
Diisopropyl ether (DIPE)	ND	0.0060	1	08/30/2024 14:02
Ethylbenzene	ND	0.0060	1	08/30/2024 14:02
Ethyl tert-butyl ether (ETBE)	ND	0.0060	1	08/30/2024 14:02
Freon 113	ND	0.0060	1	08/30/2024 14:02
Hexachlorobutadiene	ND	0.0060	1	08/30/2024 14:02
Hexachloroethane	ND	0.0060	1	08/30/2024 14:02
2-Hexanone	ND	0.0060	1	08/30/2024 14:02
Isopropylbenzene	ND	0.0060	1	08/30/2024 14:02
4-Isopropyl toluene	ND	0.0060	1	08/30/2024 14:02
Methyl-t-butyl ether (MTBE)	ND	0.0060	1	08/30/2024 14:02
Methylene chloride	ND	0.024	1	08/30/2024 14:02
4-Methyl-2-pentanone (MIBK)	ND	0.0060	1	08/30/2024 14:02
Naphthalene	ND	0.0060	1	08/30/2024 14:02
n-Propyl benzene	ND	0.0060	1	08/30/2024 14:02
Styrene	ND	0.0060	1	08/30/2024 14:02
1,1,1,2-Tetrachloroethane	ND	0.0060	1	08/30/2024 14:02
1,1,2,2-Tetrachloroethane	ND	0.0060	1	08/30/2024 14:02
Tetrachloroethene	ND	0.0060	1	08/30/2024 14:02
Toluene	ND	0.0060	1	08/30/2024 14:02
1,2,3-Trichlorobenzene	ND	0.0060	1	08/30/2024 14:02
1,2,4-Trichlorobenzene	ND	0.0060	1	08/30/2024 14:02
1,1,1-Trichloroethane	ND	0.0060	1	08/30/2024 14:02
1,1,2-Trichloroethane	ND	0.0060	1	08/30/2024 14:02
Trichloroethene	ND	0.0060	1	08/30/2024 14:02
Trichlorofluoromethane	ND	0.0060	1	08/30/2024 14:02
1,2,3-Trichloropropane	ND	0.00030	1	08/30/2024 14:02
1,2,4-Trimethylbenzene	ND	0.0060	1	08/30/2024 14:02
1,3,5-Trimethylbenzene	ND	0.0060	1	08/30/2024 14:02
Vinyl Chloride	ND	0.00030	1	08/30/2024 14:02
m,p-Xylene	ND	0.0060	1	08/30/2024 14:02
o-Xylene	ND	0.0060	1	08/30/2024 14:02
Xylenes, Total	ND	0.0060	1	08/30/2024 14:02

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	GC49 08302410.D	300747

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	93	70-140		08/30/2024 14:02
Toluene-d8	107	70-140		08/30/2024 14:02
4-BFB	99	70-140		08/30/2024 14:02
Benzene-d6	90	50-140		08/30/2024 14:02
Ethylbenzene-d10	104	50-140		08/30/2024 14:02
1,2-DCB-d4	67	40-140		08/30/2024 14:02

Analyst(s): TW

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	GC49 08302411.D	300747

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.26	1	08/30/2024 14:48
tert-Amyl methyl ether (TAME)	ND	0.0065	1	08/30/2024 14:48
Benzene	ND	0.0065	1	08/30/2024 14:48
Bromobenzene	ND	0.0065	1	08/30/2024 14:48
Bromochloromethane	ND	0.0065	1	08/30/2024 14:48
Bromodichloromethane	ND	0.0065	1	08/30/2024 14:48
Bromoform	ND	0.0065	1	08/30/2024 14:48
Bromomethane	ND	0.0065	1	08/30/2024 14:48
2-Butanone (MEK)	ND	0.13	1	08/30/2024 14:48
t-Butyl alcohol (TBA)	ND	0.065	1	08/30/2024 14:48
n-Butyl benzene	ND	0.0065	1	08/30/2024 14:48
sec-Butyl benzene	ND	0.0065	1	08/30/2024 14:48
tert-Butyl benzene	ND	0.0065	1	08/30/2024 14:48
Carbon Disulfide	ND	0.0065	1	08/30/2024 14:48
Carbon Tetrachloride	ND	0.0065	1	08/30/2024 14:48
Chlorobenzene	ND	0.0065	1	08/30/2024 14:48
Chloroethane	ND	0.0065	1	08/30/2024 14:48
Chloroform	ND	0.0065	1	08/30/2024 14:48
Chloromethane	ND	0.0065	1	08/30/2024 14:48
2-Chlorotoluene	ND	0.0065	1	08/30/2024 14:48
4-Chlorotoluene	ND	0.0065	1	08/30/2024 14:48
Dibromochloromethane	ND	0.0065	1	08/30/2024 14:48
1,2-Dibromo-3-chloropropane	ND	0.00065	1	08/30/2024 14:48
1,2-Dibromoethane (EDB)	ND	0.00033	1	08/30/2024 14:48
Dibromomethane	ND	0.0065	1	08/30/2024 14:48
1,2-Dichlorobenzene	ND	0.0065	1	08/30/2024 14:48
1,3-Dichlorobenzene	ND	0.0065	1	08/30/2024 14:48
1,4-Dichlorobenzene	ND	0.0065	1	08/30/2024 14:48
Dichlorodifluoromethane	ND	0.0065	1	08/30/2024 14:48
1,1-Dichloroethane	ND	0.0065	1	08/30/2024 14:48
1,2-Dichloroethane (1,2-DCA)	ND	0.00013	1	08/30/2024 14:48
1,1-Dichloroethene	ND	0.0065	1	08/30/2024 14:48
cis-1,2-Dichloroethene	ND	0.0065	1	08/30/2024 14:48
trans-1,2-Dichloroethene	ND	0.0065	1	08/30/2024 14:48
1,2-Dichloropropane	ND	0.0065	1	08/30/2024 14:48
1,3-Dichloropropane	ND	0.0065	1	08/30/2024 14:48

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	GC49 08302411.D	300747

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.0065	1	08/30/2024 14:48
1,1-Dichloropropene	ND	0.0065	1	08/30/2024 14:48
cis-1,3-Dichloropropene	ND	0.0065	1	08/30/2024 14:48
trans-1,3-Dichloropropene	ND	0.0065	1	08/30/2024 14:48
Diisopropyl ether (DIPE)	ND	0.0065	1	08/30/2024 14:48
Ethylbenzene	ND	0.0065	1	08/30/2024 14:48
Ethyl tert-butyl ether (ETBE)	ND	0.0065	1	08/30/2024 14:48
Freon 113	ND	0.0065	1	08/30/2024 14:48
Hexachlorobutadiene	ND	0.0065	1	08/30/2024 14:48
Hexachloroethane	ND	0.0065	1	08/30/2024 14:48
2-Hexanone	ND	0.0065	1	08/30/2024 14:48
Isopropylbenzene	ND	0.0065	1	08/30/2024 14:48
4-Isopropyl toluene	ND	0.0065	1	08/30/2024 14:48
Methyl-t-butyl ether (MTBE)	ND	0.0065	1	08/30/2024 14:48
Methylene chloride	ND	0.026	1	08/30/2024 14:48
4-Methyl-2-pentanone (MIBK)	ND	0.0065	1	08/30/2024 14:48
Naphthalene	ND	0.0065	1	08/30/2024 14:48
n-Propyl benzene	ND	0.0065	1	08/30/2024 14:48
Styrene	ND	0.0065	1	08/30/2024 14:48
1,1,1,2-Tetrachloroethane	ND	0.0065	1	08/30/2024 14:48
1,1,2,2-Tetrachloroethane	ND	0.0065	1	08/30/2024 14:48
Tetrachloroethene	ND	0.0065	1	08/30/2024 14:48
Toluene	ND	0.0065	1	08/30/2024 14:48
1,2,3-Trichlorobenzene	ND	0.0065	1	08/30/2024 14:48
1,2,4-Trichlorobenzene	ND	0.0065	1	08/30/2024 14:48
1,1,1-Trichloroethane	ND	0.0065	1	08/30/2024 14:48
1,1,2-Trichloroethane	ND	0.0065	1	08/30/2024 14:48
Trichloroethene	ND	0.0065	1	08/30/2024 14:48
Trichlorofluoromethane	ND	0.0065	1	08/30/2024 14:48
1,2,3-Trichloropropane	ND	0.00033	1	08/30/2024 14:48
1,2,4-Trimethylbenzene	ND	0.0065	1	08/30/2024 14:48
1,3,5-Trimethylbenzene	ND	0.0065	1	08/30/2024 14:48
Vinyl Chloride	ND	0.00033	1	08/30/2024 14:48
m,p-Xylene	ND	0.0065	1	08/30/2024 14:48
o-Xylene	ND	0.0065	1	08/30/2024 14:48
Xylenes, Total	ND	0.0065	1	08/30/2024 14:48

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/28/2024-08/29/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	mg/kg-dry

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	GC49 08302411.D	300747

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	94	70-140		08/30/2024 14:48
Toluene-d8	107	70-140		08/30/2024 14:48
4-BFB	101	70-140		08/30/2024 14:48
Benzene-d6	96	50-140		08/30/2024 14:48
Ethylbenzene-d10	112	50-140		08/30/2024 14:48
1,2-DCB-d4	69	40-140		08/30/2024 14:48

Analyst(s): TW

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-1.0	2408K98-001A	Soil	08/22/2024 11:59	GC48 08302413.D	300844

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.0015	1	08/30/2024 09:53
Acenaphthylene	ND	0.0015	1	08/30/2024 09:53
Acetochlor	ND	0.29	1	08/30/2024 09:53
Anthracene	ND	0.0015	1	08/30/2024 09:53
Benzidine	ND	1.4	1	08/30/2024 09:53
Benzo (a) anthracene	ND	0.014	1	08/30/2024 09:53
Benzo (a) pyrene	ND	0.0015	1	08/30/2024 09:53
Benzo (b) fluoranthene	ND	0.0029	1	08/30/2024 09:53
Benzo (g,h,i) perylene	ND	0.0029	1	08/30/2024 09:53
Benzo (k) fluoranthene	ND	0.0029	1	08/30/2024 09:53
Benzoic Acid	ND	1.4	1	08/30/2024 09:53
Benzyl Alcohol	ND	1.4	1	08/30/2024 09:53
1,1-Biphenyl	ND	0.014	1	08/30/2024 09:53
Bis (2-chloroethoxy) Methane	ND	0.29	1	08/30/2024 09:53
Bis (2-chloroethyl) Ether	ND	0.0015	1	08/30/2024 09:53
Bis (2-chloroisopropyl) Ether	ND	0.0029	1	08/30/2024 09:53
Bis (2-ethylhexyl) Adipate	ND	0.29	1	08/30/2024 09:53
Bis (2-ethylhexyl) Phthalate	ND	0.072	1	08/30/2024 09:53
4-Bromophenyl Phenyl Ether	ND	0.29	1	08/30/2024 09:53
Butylbenzyl Phthalate	ND	0.072	1	08/30/2024 09:53
4-Chloroaniline	ND	0.0015	1	08/30/2024 09:53
4-Chloro-3-methylphenol	ND	0.29	1	08/30/2024 09:53
2-Chloronaphthalene	ND	0.29	1	08/30/2024 09:53
2-Chlorophenol	ND	0.014	1	08/30/2024 09:53
4-Chlorophenyl Phenyl Ether	ND	0.29	1	08/30/2024 09:53
Chrysene	ND	0.0015	1	08/30/2024 09:53
Dibenzo (a,h) anthracene	ND	0.0029	1	08/30/2024 09:53
Dibenzofuran	ND	0.0015	1	08/30/2024 09:53
Di-n-butyl Phthalate	ND	0.072	1	08/30/2024 09:53
1,2-Dichlorobenzene	ND	0.29	1	08/30/2024 09:53
1,3-Dichlorobenzene	ND	0.29	1	08/30/2024 09:53
1,4-Dichlorobenzene	ND	0.29	1	08/30/2024 09:53
3,3-Dichlorobenzidine	ND	0.0015	1	08/30/2024 09:53
2,4-Dichlorophenol	ND	0.0029	1	08/30/2024 09:53
2,6-Dichlorophenol	ND	0.014	1	08/30/2024 09:53
Diethyl Phthalate	ND	0.014	1	08/30/2024 09:53

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-1.0	2408K98-001A	Soil	08/22/2024 11:59	GC48 08302413.D	300844

Analytes	Result	RL	DF	Date Analyzed
2,4-Dimethylphenol	ND	0.29	1	08/30/2024 09:53
Dimethyl Phthalate	ND	0.0029	1	08/30/2024 09:53
4,6-Dinitro-2-methylphenol	ND	1.4	1	08/30/2024 09:53
2,4-Dinitrophenol	ND	0.29	1	08/30/2024 09:53
2,4-Dinitrotoluene	ND	0.014	1	08/30/2024 09:53
2,6-Dinitrotoluene	ND	0.014	1	08/30/2024 09:53
Di-n-octyl Phthalate	ND	0.72	1	08/30/2024 09:53
1,2-Diphenylhydrazine	ND	0.29	1	08/30/2024 09:53
Fluoranthene	ND	0.0029	1	08/30/2024 09:53
Fluorene	ND	0.0029	1	08/30/2024 09:53
Hexachlorobenzene	ND	0.0015	1	08/30/2024 09:53
Hexachlorobutadiene	ND	0.0015	1	08/30/2024 09:53
Hexachlorocyclopentadiene	ND	1.4	1	08/30/2024 09:53
Hexachloroethane	ND	0.0029	1	08/30/2024 09:53
Indeno (1,2,3-cd) pyrene	ND	0.0029	1	08/30/2024 09:53
Isophorone	ND	0.29	1	08/30/2024 09:53
1-Methylnaphthalene	ND	0.0015	1	08/30/2024 09:53
2-Methylnaphthalene	ND	0.0015	1	08/30/2024 09:53
2-Methylphenol (o-Cresol)	ND	0.29	1	08/30/2024 09:53
3 & 4-Methylphenol (m,p-Cresol)	ND	0.29	1	08/30/2024 09:53
Naphthalene	ND	0.0029	1	08/30/2024 09:53
2-Nitroaniline	ND	1.4	1	08/30/2024 09:53
3-Nitroaniline	ND	1.4	1	08/30/2024 09:53
4-Nitroaniline	ND	1.4	1	08/30/2024 09:53
Nitrobenzene	ND	0.29	1	08/30/2024 09:53
2-Nitrophenol	ND	1.4	1	08/30/2024 09:53
4-Nitrophenol	ND	1.4	1	08/30/2024 09:53
N-Nitrosodiphenylamine	ND	0.29	1	08/30/2024 09:53
N-Nitrosodi-n-propylamine	ND	0.29	1	08/30/2024 09:53
Pentachlorophenol	ND	0.072	1	08/30/2024 09:53
Phenanthrene	ND	0.0015	1	08/30/2024 09:53
Phenol	ND	0.012	1	08/30/2024 09:53
Pyrene	ND	0.0015	1	08/30/2024 09:53
Pyridine	ND	0.29	1	08/30/2024 09:53
1,2,4-Trichlorobenzene	ND	0.29	1	08/30/2024 09:53
2,4,5-Trichlorophenol	ND	0.0029	1	08/30/2024 09:53

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-1.0	2408K98-001A	Soil	08/22/2024 11:59	GC48 08302413.D	300844

Analytes	Result	RL	DF	Date Analyzed
2,4,6-Trichlorophenol	ND	0.0029	1	08/30/2024 09:53
N-Nitrosodimethylamine	ND	1.4	1	08/30/2024 09:53
2,3,4,6-Tetrachlorophenol	ND	0.29	1	08/30/2024 09:53

Surrogates	REC (%)	Limits	Date Analyzed
2-Fluorophenol	91	60-130	08/30/2024 09:53
Phenol-d5	89	60-130	08/30/2024 09:53
Nitrobenzene-d5	86	60-130	08/30/2024 09:53
2-Fluorobiphenyl	85	60-130	08/30/2024 09:53
2,4,6-Tribromophenol	81	50-130	08/30/2024 09:53
4-Terphenyl-d14	86	50-130	08/30/2024 09:53

Analyst(s): MV Analytical Comments: h5

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	GC48 08302414.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acenaphthene	ND		0.0016	1	08/30/2024 10:20
Acenaphthylene	ND		0.0016	1	08/30/2024 10:20
Acetochlor	ND		0.30	1	08/30/2024 10:20
Anthracene	ND		0.0016	1	08/30/2024 10:20
Benzidine	ND		1.5	1	08/30/2024 10:20
Benzo (a) anthracene	ND		0.015	1	08/30/2024 10:20
Benzo (a) pyrene	ND		0.0016	1	08/30/2024 10:20
Benzo (b) fluoranthene	ND		0.0030	1	08/30/2024 10:20
Benzo (g,h,i) perylene	ND		0.0030	1	08/30/2024 10:20
Benzo (k) fluoranthene	ND		0.0030	1	08/30/2024 10:20
Benzoic Acid	ND		1.5	1	08/30/2024 10:20
Benzyl Alcohol	ND		1.5	1	08/30/2024 10:20
1,1-Biphenyl	ND		0.015	1	08/30/2024 10:20
Bis (2-chloroethoxy) Methane	ND		0.30	1	08/30/2024 10:20
Bis (2-chloroethyl) Ether	ND		0.0016	1	08/30/2024 10:20
Bis (2-chloroisopropyl) Ether	ND		0.0030	1	08/30/2024 10:20
Bis (2-ethylhexyl) Adipate	ND		0.30	1	08/30/2024 10:20
Bis (2-ethylhexyl) Phthalate	**0.078**	B	0.075	1	08/30/2024 10:20
4-Bromophenyl Phenyl Ether	ND		0.30	1	08/30/2024 10:20
Butylbenzyl Phthalate	ND		0.075	1	08/30/2024 10:20
4-Chloroaniline	ND		0.0016	1	08/30/2024 10:20
4-Chloro-3-methylphenol	ND		0.30	1	08/30/2024 10:20
2-Chloronaphthalene	ND		0.30	1	08/30/2024 10:20
2-Chlorophenol	ND		0.015	1	08/30/2024 10:20
4-Chlorophenyl Phenyl Ether	ND		0.30	1	08/30/2024 10:20
Chrysene	ND		0.0016	1	08/30/2024 10:20
Dibenzo (a,h) anthracene	ND		0.0030	1	08/30/2024 10:20
Dibenzofuran	ND		0.0016	1	08/30/2024 10:20
Di-n-butyl Phthalate	ND		0.075	1	08/30/2024 10:20
1,2-Dichlorobenzene	ND		0.30	1	08/30/2024 10:20
1,3-Dichlorobenzene	ND		0.30	1	08/30/2024 10:20
1,4-Dichlorobenzene	ND		0.30	1	08/30/2024 10:20
3,3-Dichlorobenzidine	ND		0.0016	1	08/30/2024 10:20
2,4-Dichlorophenol	ND		0.0030	1	08/30/2024 10:20
2,6-Dichlorophenol	ND		0.015	1	08/30/2024 10:20
Diethyl Phthalate	ND		0.015	1	08/30/2024 10:20

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	GC48 08302414.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
2,4-Dimethylphenol	ND		0.30	1	08/30/2024 10:20
Dimethyl Phthalate	ND		0.0030	1	08/30/2024 10:20
4,6-Dinitro-2-methylphenol	ND		1.5	1	08/30/2024 10:20
2,4-Dinitrophenol	ND		0.30	1	08/30/2024 10:20
2,4-Dinitrotoluene	ND		0.015	1	08/30/2024 10:20
2,6-Dinitrotoluene	ND		0.015	1	08/30/2024 10:20
Di-n-octyl Phthalate	ND		0.75	1	08/30/2024 10:20
1,2-Diphenylhydrazine	ND		0.30	1	08/30/2024 10:20
Fluoranthene	**0.0040**		0.0030	1	08/30/2024 10:20
Fluorene	ND		0.0030	1	08/30/2024 10:20
Hexachlorobenzene	ND		0.0016	1	08/30/2024 10:20
Hexachlorobutadiene	ND		0.0016	1	08/30/2024 10:20
Hexachlorocyclopentadiene	ND		1.5	1	08/30/2024 10:20
Hexachloroethane	ND		0.0030	1	08/30/2024 10:20
Indeno (1,2,3-cd) pyrene	ND		0.0030	1	08/30/2024 10:20
Isophorone	ND		0.30	1	08/30/2024 10:20
1-Methylnaphthalene	ND		0.0016	1	08/30/2024 10:20
2-Methylnaphthalene	ND		0.0016	1	08/30/2024 10:20
2-Methylphenol (o-Cresol)	ND		0.30	1	08/30/2024 10:20
3 & 4-Methylphenol (m,p-Cresol)	ND		0.30	1	08/30/2024 10:20
Naphthalene	ND		0.0030	1	08/30/2024 10:20
2-Nitroaniline	ND		1.5	1	08/30/2024 10:20
3-Nitroaniline	ND		1.5	1	08/30/2024 10:20
4-Nitroaniline	ND		1.5	1	08/30/2024 10:20
Nitrobenzene	ND		0.30	1	08/30/2024 10:20
2-Nitrophenol	ND		1.5	1	08/30/2024 10:20
4-Nitrophenol	ND		1.5	1	08/30/2024 10:20
N-Nitrosodiphenylamine	ND		0.30	1	08/30/2024 10:20
N-Nitrosodi-n-propylamine	ND		0.30	1	08/30/2024 10:20
Pentachlorophenol	ND		0.075	1	08/30/2024 10:20
Phenanthrene	ND		0.0016	1	08/30/2024 10:20
Phenol	ND		0.012	1	08/30/2024 10:20
Pyrene	**0.0033**		0.0016	1	08/30/2024 10:20
Pyridine	ND		0.30	1	08/30/2024 10:20
1,2,4-Trichlorobenzene	ND		0.30	1	08/30/2024 10:20
2,4,5-Trichlorophenol	ND		0.0030	1	08/30/2024 10:20

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	GC48 08302414.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
2,4,6-Trichlorophenol	ND		0.0030	1	08/30/2024 10:20
N-Nitrosodimethylamine	ND		1.5	1	08/30/2024 10:20
2,3,4,6-Tetrachlorophenol	ND		0.30	1	08/30/2024 10:20

Surrogates	REC (%)	Limits	Date Analyzed
2-Fluorophenol	91	60-130	08/30/2024 10:20
Phenol-d5	88	60-130	08/30/2024 10:20
Nitrobenzene-d5	79	60-130	08/30/2024 10:20
2-Fluorobiphenyl	80	60-130	08/30/2024 10:20
2,4,6-Tribromophenol	76	50-130	08/30/2024 10:20
4-Terphenyl-d14	78	50-130	08/30/2024 10:20

Analyst(s): MV Analytical Comments: h5

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	GC48 08302415.D	300844

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.0016	1	08/30/2024 10:46
Acenaphthylene	ND	0.0016	1	08/30/2024 10:46
Acetochlor	ND	0.31	1	08/30/2024 10:46
Anthracene	ND	0.0016	1	08/30/2024 10:46
Benzidine	ND	1.5	1	08/30/2024 10:46
Benzo (a) anthracene	ND	0.015	1	08/30/2024 10:46
Benzo (a) pyrene	ND	0.0016	1	08/30/2024 10:46
Benzo (b) fluoranthene	ND	0.0031	1	08/30/2024 10:46
Benzo (g,h,i) perylene	ND	0.0031	1	08/30/2024 10:46
Benzo (k) fluoranthene	ND	0.0031	1	08/30/2024 10:46
Benzoic Acid	ND	1.5	1	08/30/2024 10:46
Benzyl Alcohol	ND	1.5	1	08/30/2024 10:46
1,1-Biphenyl	ND	0.015	1	08/30/2024 10:46
Bis (2-chloroethoxy) Methane	ND	0.31	1	08/30/2024 10:46
Bis (2-chloroethyl) Ether	ND	0.0016	1	08/30/2024 10:46
Bis (2-chloroisopropyl) Ether	ND	0.0031	1	08/30/2024 10:46
Bis (2-ethylhexyl) Adipate	ND	0.31	1	08/30/2024 10:46
Bis (2-ethylhexyl) Phthalate	ND	0.076	1	08/30/2024 10:46
4-Bromophenyl Phenyl Ether	ND	0.31	1	08/30/2024 10:46
Butylbenzyl Phthalate	ND	0.076	1	08/30/2024 10:46
4-Chloroaniline	ND	0.0016	1	08/30/2024 10:46
4-Chloro-3-methylphenol	ND	0.31	1	08/30/2024 10:46
2-Chloronaphthalene	ND	0.31	1	08/30/2024 10:46
2-Chlorophenol	ND	0.015	1	08/30/2024 10:46
4-Chlorophenyl Phenyl Ether	ND	0.31	1	08/30/2024 10:46
Chrysene	ND	0.0016	1	08/30/2024 10:46
Dibenzo (a,h) anthracene	ND	0.0031	1	08/30/2024 10:46
Dibenzofuran	ND	0.0016	1	08/30/2024 10:46
Di-n-butyl Phthalate	ND	0.076	1	08/30/2024 10:46
1,2-Dichlorobenzene	ND	0.31	1	08/30/2024 10:46
1,3-Dichlorobenzene	ND	0.31	1	08/30/2024 10:46
1,4-Dichlorobenzene	ND	0.31	1	08/30/2024 10:46
3,3-Dichlorobenzidine	ND	0.0016	1	08/30/2024 10:46
2,4-Dichlorophenol	ND	0.0031	1	08/30/2024 10:46
2,6-Dichlorophenol	ND	0.015	1	08/30/2024 10:46
Diethyl Phthalate	ND	0.015	1	08/30/2024 10:46

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	GC48 08302415.D	300844

Analytes	Result	RL	DF	Date Analyzed
2,4-Dimethylphenol	ND	0.31	1	08/30/2024 10:46
Dimethyl Phthalate	ND	0.0031	1	08/30/2024 10:46
4,6-Dinitro-2-methylphenol	ND	1.5	1	08/30/2024 10:46
2,4-Dinitrophenol	ND	0.31	1	08/30/2024 10:46
2,4-Dinitrotoluene	ND	0.015	1	08/30/2024 10:46
2,6-Dinitrotoluene	ND	0.015	1	08/30/2024 10:46
Di-n-octyl Phthalate	ND	0.76	1	08/30/2024 10:46
1,2-Diphenylhydrazine	ND	0.31	1	08/30/2024 10:46
Fluoranthene	ND	0.0031	1	08/30/2024 10:46
Fluorene	ND	0.0031	1	08/30/2024 10:46
Hexachlorobenzene	ND	0.0016	1	08/30/2024 10:46
Hexachlorobutadiene	ND	0.0016	1	08/30/2024 10:46
Hexachlorocyclopentadiene	ND	1.5	1	08/30/2024 10:46
Hexachloroethane	ND	0.0031	1	08/30/2024 10:46
Indeno (1,2,3-cd) pyrene	ND	0.0031	1	08/30/2024 10:46
Isophorone	ND	0.31	1	08/30/2024 10:46
1-Methylnaphthalene	ND	0.0016	1	08/30/2024 10:46
2-Methylnaphthalene	ND	0.0016	1	08/30/2024 10:46
2-Methylphenol (o-Cresol)	ND	0.31	1	08/30/2024 10:46
3 & 4-Methylphenol (m,p-Cresol)	ND	0.31	1	08/30/2024 10:46
Naphthalene	ND	0.0031	1	08/30/2024 10:46
2-Nitroaniline	ND	1.5	1	08/30/2024 10:46
3-Nitroaniline	ND	1.5	1	08/30/2024 10:46
4-Nitroaniline	ND	1.5	1	08/30/2024 10:46
Nitrobenzene	ND	0.31	1	08/30/2024 10:46
2-Nitrophenol	ND	1.5	1	08/30/2024 10:46
4-Nitrophenol	ND	1.5	1	08/30/2024 10:46
N-Nitrosodiphenylamine	ND	0.31	1	08/30/2024 10:46
N-Nitrosodi-n-propylamine	ND	0.31	1	08/30/2024 10:46
Pentachlorophenol	ND	0.076	1	08/30/2024 10:46
Phenanthrene	ND	0.0016	1	08/30/2024 10:46
Phenol	ND	0.012	1	08/30/2024 10:46
Pyrene	ND	0.0016	1	08/30/2024 10:46
Pyridine	ND	0.31	1	08/30/2024 10:46
1,2,4-Trichlorobenzene	ND	0.31	1	08/30/2024 10:46
2,4,5-Trichlorophenol	ND	0.0031	1	08/30/2024 10:46

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	GC48 08302415.D	300844

Analytes	Result	RL	DF	Date Analyzed
2,4,6-Trichlorophenol	ND	0.0031	1	08/30/2024 10:46
N-Nitrosodimethylamine	ND	1.5	1	08/30/2024 10:46
2,3,4,6-Tetrachlorophenol	ND	0.31	1	08/30/2024 10:46

Surrogates	REC (%)	Limits	Date Analyzed
2-Fluorophenol	77	60-130	08/30/2024 10:46
Phenol-d5	81	60-130	08/30/2024 10:46
Nitrobenzene-d5	67	60-130	08/30/2024 10:46
2-Fluorobiphenyl	68	60-130	08/30/2024 10:46
2,4,6-Tribromophenol	70	50-130	08/30/2024 10:46
4-Terphenyl-d14	74	50-130	08/30/2024 10:46

Analyst(s): MV Analytical Comments: h5

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	GC48 08302416.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acenaphthene	ND		0.0017	1	08/30/2024 11:13
Acenaphthylene	ND		0.0017	1	08/30/2024 11:13
Acetochlor	ND		0.33	1	08/30/2024 11:13
Anthracene	ND		0.0017	1	08/30/2024 11:13
Benzidine	ND		1.6	1	08/30/2024 11:13
Benzo (a) anthracene	ND		0.016	1	08/30/2024 11:13
Benzo (a) pyrene	**0.0029**	B	0.0017	1	08/30/2024 11:13
Benzo (b) fluoranthene	**0.0044**	B	0.0033	1	08/30/2024 11:13
Benzo (g,h,i) perylene	**0.0037**	B	0.0033	1	08/30/2024 11:13
Benzo (k) fluoranthene	ND		0.0033	1	08/30/2024 11:13
Benzoic Acid	ND		1.6	1	08/30/2024 11:13
Benzyl Alcohol	ND		1.6	1	08/30/2024 11:13
1,1-Biphenyl	ND		0.016	1	08/30/2024 11:13
Bis (2-chloroethoxy) Methane	ND		0.33	1	08/30/2024 11:13
Bis (2-chloroethyl) Ether	ND		0.0017	1	08/30/2024 11:13
Bis (2-chloroisopropyl) Ether	ND		0.0033	1	08/30/2024 11:13
Bis (2-ethylhexyl) Adipate	ND		0.33	1	08/30/2024 11:13
Bis (2-ethylhexyl) Phthalate	ND		0.082	1	08/30/2024 11:13
4-Bromophenyl Phenyl Ether	ND		0.33	1	08/30/2024 11:13
Butylbenzyl Phthalate	ND		0.082	1	08/30/2024 11:13
4-Chloroaniline	ND		0.0017	1	08/30/2024 11:13
4-Chloro-3-methylphenol	ND		0.33	1	08/30/2024 11:13
2-Chloronaphthalene	ND		0.33	1	08/30/2024 11:13
2-Chlorophenol	ND		0.016	1	08/30/2024 11:13
4-Chlorophenyl Phenyl Ether	ND		0.33	1	08/30/2024 11:13
Chrysene	ND		0.0017	1	08/30/2024 11:13
Dibenzo (a,h) anthracene	**0.0036**		0.0033	1	08/30/2024 11:13
Dibenzofuran	ND		0.0017	1	08/30/2024 11:13
Di-n-butyl Phthalate	ND		0.082	1	08/30/2024 11:13
1,2-Dichlorobenzene	ND		0.33	1	08/30/2024 11:13
1,3-Dichlorobenzene	ND		0.33	1	08/30/2024 11:13
1,4-Dichlorobenzene	ND		0.33	1	08/30/2024 11:13
3,3-Dichlorobenzidine	ND		0.0017	1	08/30/2024 11:13
2,4-Dichlorophenol	ND		0.0033	1	08/30/2024 11:13
2,6-Dichlorophenol	ND		0.016	1	08/30/2024 11:13
Diethyl Phthalate	ND		0.016	1	08/30/2024 11:13

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	GC48 08302416.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
2,4-Dimethylphenol	ND		0.33	1	08/30/2024 11:13
Dimethyl Phthalate	ND		0.0033	1	08/30/2024 11:13
4,6-Dinitro-2-methylphenol	ND		1.6	1	08/30/2024 11:13
2,4-Dinitrophenol	ND		0.33	1	08/30/2024 11:13
2,4-Dinitrotoluene	ND		0.016	1	08/30/2024 11:13
2,6-Dinitrotoluene	ND		0.016	1	08/30/2024 11:13
Di-n-octyl Phthalate	ND		0.82	1	08/30/2024 11:13
1,2-Diphenylhydrazine	ND		0.33	1	08/30/2024 11:13
Fluoranthene	ND		0.0033	1	08/30/2024 11:13
Fluorene	ND		0.0033	1	08/30/2024 11:13
Hexachlorobenzene	ND		0.0017	1	08/30/2024 11:13
Hexachlorobutadiene	ND		0.0017	1	08/30/2024 11:13
Hexachlorocyclopentadiene	ND		1.6	1	08/30/2024 11:13
Hexachloroethane	ND		0.0033	1	08/30/2024 11:13
Indeno (1,2,3-cd) pyrene	**0.0040**	B	0.0033	1	08/30/2024 11:13
Isophorone	ND		0.33	1	08/30/2024 11:13
1-Methylnaphthalene	ND		0.0017	1	08/30/2024 11:13
2-Methylnaphthalene	ND		0.0017	1	08/30/2024 11:13
2-Methylphenol (o-Cresol)	ND		0.33	1	08/30/2024 11:13
3 & 4-Methylphenol (m,p-Cresol)	ND		0.33	1	08/30/2024 11:13
Naphthalene	ND		0.0033	1	08/30/2024 11:13
2-Nitroaniline	ND		1.6	1	08/30/2024 11:13
3-Nitroaniline	ND		1.6	1	08/30/2024 11:13
4-Nitroaniline	ND		1.6	1	08/30/2024 11:13
Nitrobenzene	ND		0.33	1	08/30/2024 11:13
2-Nitrophenol	ND		1.6	1	08/30/2024 11:13
4-Nitrophenol	ND		1.6	1	08/30/2024 11:13
N-Nitrosodiphenylamine	ND		0.33	1	08/30/2024 11:13
N-Nitrosodi-n-propylamine	ND		0.33	1	08/30/2024 11:13
Pentachlorophenol	ND		0.082	1	08/30/2024 11:13
Phenanthrene	ND		0.0017	1	08/30/2024 11:13
Phenol	ND		0.013	1	08/30/2024 11:13
Pyrene	ND		0.0017	1	08/30/2024 11:13
Pyridine	ND		0.33	1	08/30/2024 11:13
1,2,4-Trichlorobenzene	ND		0.33	1	08/30/2024 11:13
2,4,5-Trichlorophenol	ND		0.0033	1	08/30/2024 11:13

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	GC48 08302416.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
2,4,6-Trichlorophenol	ND		0.0033	1	08/30/2024 11:13
N-Nitrosodimethylamine	ND		1.6	1	08/30/2024 11:13
2,3,4,6-Tetrachlorophenol	ND		0.33	1	08/30/2024 11:13

Surrogates	REC (%)	Limits	Date Analyzed
2-Fluorophenol	91	60-130	08/30/2024 11:13
Phenol-d5	91	60-130	08/30/2024 11:13
Nitrobenzene-d5	91	60-130	08/30/2024 11:13
2-Fluorobiphenyl	92	60-130	08/30/2024 11:13
2,4,6-Tribromophenol	87	50-130	08/30/2024 11:13
4-Terphenyl-d14	92	50-130	08/30/2024 11:13

Analyst(s): MV Analytical Comments: h5

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-10.0	2408K98-020A	Soil	08/22/2024 09:53	GC48 08302417.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acenaphthene	ND		0.0014	1	08/30/2024 11:39
Acenaphthylene	ND		0.0014	1	08/30/2024 11:39
Acetochlor	ND		0.27	1	08/30/2024 11:39
Anthracene	ND		0.0014	1	08/30/2024 11:39
Benzidine	ND		1.3	1	08/30/2024 11:39
Benzo (a) anthracene	ND		0.013	1	08/30/2024 11:39
Benzo (a) pyrene	**0.011**		0.0014	1	08/30/2024 11:39
Benzo (b) fluoranthene	**0.0095**	B	0.0027	1	08/30/2024 11:39
Benzo (g,h,i) perylene	**0.012**	B	0.0027	1	08/30/2024 11:39
Benzo (k) fluoranthene	**0.0032**		0.0027	1	08/30/2024 11:39
Benzoic Acid	ND		1.3	1	08/30/2024 11:39
Benzyl Alcohol	ND		1.3	1	08/30/2024 11:39
1,1-Biphenyl	ND		0.013	1	08/30/2024 11:39
Bis (2-chloroethoxy) Methane	ND		0.27	1	08/30/2024 11:39
Bis (2-chloroethyl) Ether	ND		0.0014	1	08/30/2024 11:39
Bis (2-chloroisopropyl) Ether	ND		0.0027	1	08/30/2024 11:39
Bis (2-ethylhexyl) Adipate	ND		0.27	1	08/30/2024 11:39
Bis (2-ethylhexyl) Phthalate	ND		0.068	1	08/30/2024 11:39
4-Bromophenyl Phenyl Ether	ND		0.27	1	08/30/2024 11:39
Butylbenzyl Phthalate	ND		0.068	1	08/30/2024 11:39
4-Chloroaniline	ND		0.0014	1	08/30/2024 11:39
4-Chloro-3-methylphenol	ND		0.27	1	08/30/2024 11:39
2-Chloronaphthalene	ND		0.27	1	08/30/2024 11:39
2-Chlorophenol	ND		0.013	1	08/30/2024 11:39
4-Chlorophenyl Phenyl Ether	ND		0.27	1	08/30/2024 11:39
Chrysene	**0.0016**		0.0014	1	08/30/2024 11:39
Dibenzo (a,h) anthracene	ND		0.0027	1	08/30/2024 11:39
Dibenzofuran	ND		0.0014	1	08/30/2024 11:39
Di-n-butyl Phthalate	ND		0.068	1	08/30/2024 11:39
1,2-Dichlorobenzene	ND		0.27	1	08/30/2024 11:39
1,3-Dichlorobenzene	ND		0.27	1	08/30/2024 11:39
1,4-Dichlorobenzene	ND		0.27	1	08/30/2024 11:39
3,3-Dichlorobenzidine	ND		0.0014	1	08/30/2024 11:39
2,4-Dichlorophenol	ND		0.0027	1	08/30/2024 11:39
2,6-Dichlorophenol	ND		0.013	1	08/30/2024 11:39
Diethyl Phthalate	ND		0.013	1	08/30/2024 11:39

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-10.0	2408K98-020A	Soil	08/22/2024 09:53	GC48 08302417.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
2,4-Dimethylphenol	ND		0.27	1	08/30/2024 11:39
Dimethyl Phthalate	ND		0.0027	1	08/30/2024 11:39
4,6-Dinitro-2-methylphenol	ND		1.3	1	08/30/2024 11:39
2,4-Dinitrophenol	ND		0.27	1	08/30/2024 11:39
2,4-Dinitrotoluene	ND		0.013	1	08/30/2024 11:39
2,6-Dinitrotoluene	ND		0.013	1	08/30/2024 11:39
Di-n-octyl Phthalate	ND		0.68	1	08/30/2024 11:39
1,2-Diphenylhydrazine	ND		0.27	1	08/30/2024 11:39
Fluoranthene	**0.0033**		0.0027	1	08/30/2024 11:39
Fluorene	ND		0.0027	1	08/30/2024 11:39
Hexachlorobenzene	ND		0.0014	1	08/30/2024 11:39
Hexachlorobutadiene	ND		0.0014	1	08/30/2024 11:39
Hexachlorocyclopentadiene	ND		1.3	1	08/30/2024 11:39
Hexachloroethane	ND		0.0027	1	08/30/2024 11:39
Indeno (1,2,3-cd) pyrene	**0.0038**	B	0.0027	1	08/30/2024 11:39
Isophorone	ND		0.27	1	08/30/2024 11:39
1-Methylnaphthalene	ND		0.0014	1	08/30/2024 11:39
2-Methylnaphthalene	ND		0.0014	1	08/30/2024 11:39
2-Methylphenol (o-Cresol)	ND		0.27	1	08/30/2024 11:39
3 & 4-Methylphenol (m,p-Cresol)	ND		0.27	1	08/30/2024 11:39
Naphthalene	ND		0.0027	1	08/30/2024 11:39
2-Nitroaniline	ND		1.3	1	08/30/2024 11:39
3-Nitroaniline	ND		1.3	1	08/30/2024 11:39
4-Nitroaniline	ND		1.3	1	08/30/2024 11:39
Nitrobenzene	ND		0.27	1	08/30/2024 11:39
2-Nitrophenol	ND		1.3	1	08/30/2024 11:39
4-Nitrophenol	ND		1.3	1	08/30/2024 11:39
N-Nitrosodiphenylamine	ND		0.27	1	08/30/2024 11:39
N-Nitrosodi-n-propylamine	ND		0.27	1	08/30/2024 11:39
Pentachlorophenol	ND		0.068	1	08/30/2024 11:39
Phenanthrene	**0.0026**		0.0014	1	08/30/2024 11:39
Phenol	ND		0.011	1	08/30/2024 11:39
Pyrene	**0.012**		0.0014	1	08/30/2024 11:39
Pyridine	ND		0.27	1	08/30/2024 11:39
1,2,4-Trichlorobenzene	ND		0.27	1	08/30/2024 11:39
2,4,5-Trichlorophenol	ND		0.0027	1	08/30/2024 11:39

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-10.0	2408K98-020A	Soil	08/22/2024 09:53	GC48 08302417.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
2,4,6-Trichlorophenol	ND		0.0027	1	08/30/2024 11:39
N-Nitrosodimethylamine	ND		1.3	1	08/30/2024 11:39
2,3,4,6-Tetrachlorophenol	ND		0.27	1	08/30/2024 11:39

Surrogates	REC (%)	Limits	Date Analyzed
2-Fluorophenol	94	60-130	08/30/2024 11:39
Phenol-d5	95	60-130	08/30/2024 11:39
Nitrobenzene-d5	93	60-130	08/30/2024 11:39
2-Fluorobiphenyl	90	60-130	08/30/2024 11:39
2,4,6-Tribromophenol	87	50-130	08/30/2024 11:39
4-Terphenyl-d14	93	50-130	08/30/2024 11:39

Analyst(s): MV Analytical Comments: h5

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	GC48 09112408.D	301529

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acenaphthene	ND	H	0.073	50	09/11/2024 14:06
Acenaphthylene	ND	H	0.073	50	09/11/2024 14:06
Acetochlor	ND	H	13	50	09/11/2024 14:06
Anthracene	ND	H	0.073	50	09/11/2024 14:06
Benzidine	ND	H	69	50	09/11/2024 14:06
Benzo (a) anthracene	ND	H	0.69	50	09/11/2024 14:06
Benzo (a) pyrene	ND	H	0.073	50	09/11/2024 14:06
Benzo (b) fluoranthene	ND	H	0.13	50	09/11/2024 14:06
Benzo (g,h,i) perylene	ND	H	0.13	50	09/11/2024 14:06
Benzo (k) fluoranthene	ND	H	0.13	50	09/11/2024 14:06
Benzoic Acid	ND	H	69	50	09/11/2024 14:06
Benzyl Alcohol	ND	H	69	50	09/11/2024 14:06
1,1-Biphenyl	ND	H	0.69	50	09/11/2024 14:06
Bis (2-chloroethoxy) Methane	ND	H	13	50	09/11/2024 14:06
Bis (2-chloroethyl) Ether	ND	H	0.073	50	09/11/2024 14:06
Bis (2-chloroisopropyl) Ether	ND	H	0.13	50	09/11/2024 14:06
Bis (2-ethylhexyl) Adipate	ND	H	13	50	09/11/2024 14:06
Bis (2-ethylhexyl) Phthalate	ND	H	3.5	50	09/11/2024 14:06
4-Bromophenyl Phenyl Ether	ND	H	13	50	09/11/2024 14:06
Butylbenzyl Phthalate	ND	H	3.5	50	09/11/2024 14:06
4-Chloroaniline	ND	H	0.073	50	09/11/2024 14:06
4-Chloro-3-methylphenol	ND	H	13	50	09/11/2024 14:06
2-Chloronaphthalene	ND	H	13	50	09/11/2024 14:06
2-Chlorophenol	ND	H	0.69	50	09/11/2024 14:06
4-Chlorophenyl Phenyl Ether	ND	H	13	50	09/11/2024 14:06
Chrysene	ND	H	0.073	50	09/11/2024 14:06
Dibenzo (a,h) anthracene	ND	H	0.13	50	09/11/2024 14:06
Dibenzofuran	ND	H	0.073	50	09/11/2024 14:06
Di-n-butyl Phthalate	ND	H	3.5	50	09/11/2024 14:06
1,2-Dichlorobenzene	ND	H	13	50	09/11/2024 14:06
1,3-Dichlorobenzene	ND	H	13	50	09/11/2024 14:06
1,4-Dichlorobenzene	ND	H	13	50	09/11/2024 14:06
3,3-Dichlorobenzidine	ND	H	0.073	50	09/11/2024 14:06
2,4-Dichlorophenol	ND	H	0.13	50	09/11/2024 14:06
2,6-Dichlorophenol	ND	H	0.69	50	09/11/2024 14:06
Diethyl Phthalate	ND	H	0.69	50	09/11/2024 14:06

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	GC48 09112408.D	301529

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
2,4-Dimethylphenol	ND	H	13	50	09/11/2024 14:06
Dimethyl Phthalate	ND	H	0.13	50	09/11/2024 14:06
4,6-Dinitro-2-methylphenol	ND	H	69	50	09/11/2024 14:06
2,4-Dinitrophenol	ND	H	13	50	09/11/2024 14:06
2,4-Dinitrotoluene	ND	H	0.69	50	09/11/2024 14:06
2,6-Dinitrotoluene	ND	H	0.69	50	09/11/2024 14:06
Di-n-octyl Phthalate	ND	H	35	50	09/11/2024 14:06
1,2-Diphenylhydrazine	ND	H	13	50	09/11/2024 14:06
Fluoranthene	ND	H	0.13	50	09/11/2024 14:06
Fluorene	ND	H	0.13	50	09/11/2024 14:06
Hexachlorobenzene	ND	H	0.073	50	09/11/2024 14:06
Hexachlorobutadiene	ND	H	0.073	50	09/11/2024 14:06
Hexachlorocyclopentadiene	ND	H	69	50	09/11/2024 14:06
Hexachloroethane	ND	H	0.13	50	09/11/2024 14:06
Indeno (1,2,3-cd) pyrene	ND	H	0.13	50	09/11/2024 14:06
Isophorone	ND	H	13	50	09/11/2024 14:06
1-Methylnaphthalene	ND	H	0.073	50	09/11/2024 14:06
2-Methylnaphthalene	ND	H	0.073	50	09/11/2024 14:06
2-Methylphenol (o-Cresol)	ND	H	13	50	09/11/2024 14:06
3 & 4-Methylphenol (m,p-Cresol)	ND	H	13	50	09/11/2024 14:06
Naphthalene	ND	H	0.13	50	09/11/2024 14:06
2-Nitroaniline	ND	H	69	50	09/11/2024 14:06
3-Nitroaniline	ND	H	69	50	09/11/2024 14:06
4-Nitroaniline	ND	H	69	50	09/11/2024 14:06
Nitrobenzene	ND	H	13	50	09/11/2024 14:06
2-Nitrophenol	ND	H	69	50	09/11/2024 14:06
4-Nitrophenol	ND	H	69	50	09/11/2024 14:06
N-Nitrosodiphenylamine	ND	H	13	50	09/11/2024 14:06
N-Nitrosodi-n-propylamine	ND	H	13	50	09/11/2024 14:06
Pentachlorophenol	ND	H	3.5	50	09/11/2024 14:06
Phenanthrene	ND	H	0.073	50	09/11/2024 14:06
Phenol	ND	H	0.56	50	09/11/2024 14:06
Pyrene	ND	H	0.073	50	09/11/2024 14:06
Pyridine	ND	H	13	50	09/11/2024 14:06
1,2,4-Trichlorobenzene	ND	H	13	50	09/11/2024 14:06
2,4,5-Trichlorophenol	ND	H	0.13	50	09/11/2024 14:06

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	GC48 09112408.D	301529

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
2,4,6-Trichlorophenol	ND	H	0.13	50	09/11/2024 14:06
N-Nitrosodimethylamine	ND	H	69	50	09/11/2024 14:06
2,3,4,6-Tetrachlorophenol	ND	H	13	50	09/11/2024 14:06

Surrogates	REC (%)	Qualifiers	Limits	Date Analyzed
2-Fluorophenol	81	H	60-130	09/11/2024 14:06
Phenol-d5	80	H	60-130	09/11/2024 14:06
Nitrobenzene-d5	85	H	60-130	09/11/2024 14:06
2-Fluorobiphenyl	94	H	60-130	09/11/2024 14:06
2,4,6-Tribromophenol	55	H	50-130	09/11/2024 14:06
4-Terphenyl-d14	82	H	50-130	09/11/2024 14:06

Analyst(s): LAT Analytical Comments: a3,h5

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	2408K98-022A	Soil	08/23/2024 08:00	GC47 09052416.D	301022

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.0077	5	09/05/2024 13:22
Acenaphthylene	ND	0.0077	5	09/05/2024 13:22
Acetochlor	ND	1.4	5	09/05/2024 13:22
Anthracene	ND	0.0077	5	09/05/2024 13:22
Benzidine	ND	7.3	5	09/05/2024 13:22
Benzo (a) anthracene	ND	0.073	5	09/05/2024 13:22
Benzo (a) pyrene	**0.0087**	0.0077	5	09/05/2024 13:22
Benzo (b) fluoranthene	ND	0.014	5	09/05/2024 13:22
Benzo (g,h,i) perylene	**0.014**	0.014	5	09/05/2024 13:22
Benzo (k) fluoranthene	ND	0.014	5	09/05/2024 13:22
Benzoic Acid	ND	7.3	5	09/05/2024 13:22
Benzyl Alcohol	ND	7.3	5	09/05/2024 13:22
1,1-Biphenyl	ND	0.073	5	09/05/2024 13:22
Bis (2-chloroethoxy) Methane	ND	1.4	5	09/05/2024 13:22
Bis (2-chloroethyl) Ether	ND	0.0077	5	09/05/2024 13:22
Bis (2-chloroisopropyl) Ether	ND	0.014	5	09/05/2024 13:22
Bis (2-ethylhexyl) Adipate	ND	1.4	5	09/05/2024 13:22
Bis (2-ethylhexyl) Phthalate	ND	0.37	5	09/05/2024 13:22
4-Bromophenyl Phenyl Ether	ND	1.4	5	09/05/2024 13:22
Butylbenzyl Phthalate	ND	0.37	5	09/05/2024 13:22
4-Chloroaniline	ND	0.0077	5	09/05/2024 13:22
4-Chloro-3-methylphenol	ND	1.4	5	09/05/2024 13:22
2-Chloronaphthalene	ND	1.4	5	09/05/2024 13:22
2-Chlorophenol	ND	0.073	5	09/05/2024 13:22
4-Chlorophenyl Phenyl Ether	ND	1.4	5	09/05/2024 13:22
Chrysene	**0.0077**	0.0077	5	09/05/2024 13:22
Dibenzo (a,h) anthracene	ND	0.014	5	09/05/2024 13:22
Dibenzofuran	ND	0.0077	5	09/05/2024 13:22
Di-n-butyl Phthalate	ND	0.37	5	09/05/2024 13:22
1,2-Dichlorobenzene	ND	1.4	5	09/05/2024 13:22
1,3-Dichlorobenzene	ND	1.4	5	09/05/2024 13:22
1,4-Dichlorobenzene	ND	1.4	5	09/05/2024 13:22
3,3-Dichlorobenzidine	ND	0.0077	5	09/05/2024 13:22
2,4-Dichlorophenol	ND	0.014	5	09/05/2024 13:22
2,6-Dichlorophenol	ND	0.073	5	09/05/2024 13:22
Diethyl Phthalate	ND	0.073	5	09/05/2024 13:22

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	2408K98-022A	Soil	08/23/2024 08:00	GC47 09052416.D	301022

Analytes	Result	RL	DF	Date Analyzed
2,4-Dimethylphenol	ND	1.4	5	09/05/2024 13:22
Dimethyl Phthalate	ND	0.014	5	09/05/2024 13:22
4,6-Dinitro-2-methylphenol	ND	7.3	5	09/05/2024 13:22
2,4-Dinitrophenol	ND	1.4	5	09/05/2024 13:22
2,4-Dinitrotoluene	ND	0.073	5	09/05/2024 13:22
2,6-Dinitrotoluene	ND	0.073	5	09/05/2024 13:22
Di-n-octyl Phthalate	ND	3.7	5	09/05/2024 13:22
1,2-Diphenylhydrazine	ND	1.4	5	09/05/2024 13:22
Fluoranthene	ND	0.014	5	09/05/2024 13:22
Fluorene	ND	0.014	5	09/05/2024 13:22
Hexachlorobenzene	ND	0.0077	5	09/05/2024 13:22
Hexachlorobutadiene	ND	0.0077	5	09/05/2024 13:22
Hexachlorocyclopentadiene	ND	7.3	5	09/05/2024 13:22
Hexachloroethane	ND	0.014	5	09/05/2024 13:22
Indeno (1,2,3-cd) pyrene	ND	0.014	5	09/05/2024 13:22
Isophorone	ND	1.4	5	09/05/2024 13:22
1-Methylnaphthalene	**0.015**	0.0077	5	09/05/2024 13:22
2-Methylnaphthalene	**0.014**	0.0077	5	09/05/2024 13:22
2-Methylphenol (o-Cresol)	ND	1.4	5	09/05/2024 13:22
3 & 4-Methylphenol (m,p-Cresol)	ND	1.4	5	09/05/2024 13:22
Naphthalene	ND	0.014	5	09/05/2024 13:22
2-Nitroaniline	ND	7.3	5	09/05/2024 13:22
3-Nitroaniline	ND	7.3	5	09/05/2024 13:22
4-Nitroaniline	ND	7.3	5	09/05/2024 13:22
Nitrobenzene	ND	1.4	5	09/05/2024 13:22
2-Nitrophenol	ND	7.3	5	09/05/2024 13:22
4-Nitrophenol	ND	7.3	5	09/05/2024 13:22
N-Nitrosodiphenylamine	ND	1.4	5	09/05/2024 13:22
N-Nitrosodi-n-propylamine	ND	1.4	5	09/05/2024 13:22
Pentachlorophenol	ND	0.37	5	09/05/2024 13:22
Phenanthrene	**0.011**	0.0077	5	09/05/2024 13:22
Phenol	ND	0.059	5	09/05/2024 13:22
Pyrene	ND	0.0077	5	09/05/2024 13:22
Pyridine	ND	1.4	5	09/05/2024 13:22
1,2,4-Trichlorobenzene	ND	1.4	5	09/05/2024 13:22
2,4,5-Trichlorophenol	ND	0.014	5	09/05/2024 13:22

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	2408K98-022A	Soil	08/23/2024 08:00	GC47 09052416.D	301022

Analytes	Result	RL	DF	Date Analyzed
2,4,6-Trichlorophenol	ND	0.014	5	09/05/2024 13:22
N-Nitrosodimethylamine	ND	7.3	5	09/05/2024 13:22
2,3,4,6-Tetrachlorophenol	ND	1.4	5	09/05/2024 13:22

Surrogates	REC (%)	Qualifiers	Limits	Date Analyzed
2-Fluorophenol	68		60-130	09/05/2024 13:22
Phenol-d5	54	S	60-130	09/05/2024 13:22
Nitrobenzene-d5	58	S	60-130	09/05/2024 13:22
2-Fluorobiphenyl	68		60-130	09/05/2024 13:22
2,4,6-Tribromophenol	30	S	50-130	09/05/2024 13:22
4-Terphenyl-d14	75		50-130	09/05/2024 13:22

Analyst(s): AK Analytical Comments: h5,c1

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	GC17 08302413.D	300844

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.0014	1	08/30/2024 15:01
Acenaphthylene	ND	0.0014	1	08/30/2024 15:01
Acetochlor	ND	0.27	1	08/30/2024 15:01
Anthracene	ND	0.0014	1	08/30/2024 15:01
Benzidine	ND	1.3	1	08/30/2024 15:01
Benzo (a) anthracene	ND	0.013	1	08/30/2024 15:01
Benzo (a) pyrene	ND	0.0014	1	08/30/2024 15:01
Benzo (b) fluoranthene	ND	0.0027	1	08/30/2024 15:01
Benzo (g,h,i) perylene	ND	0.0027	1	08/30/2024 15:01
Benzo (k) fluoranthene	ND	0.0027	1	08/30/2024 15:01
Benzoic Acid	ND	1.3	1	08/30/2024 15:01
Benzyl Alcohol	ND	1.3	1	08/30/2024 15:01
1,1-Biphenyl	ND	0.013	1	08/30/2024 15:01
Bis (2-chloroethoxy) Methane	ND	0.27	1	08/30/2024 15:01
Bis (2-chloroethyl) Ether	ND	0.0014	1	08/30/2024 15:01
Bis (2-chloroisopropyl) Ether	ND	0.0027	1	08/30/2024 15:01
Bis (2-ethylhexyl) Adipate	ND	0.27	1	08/30/2024 15:01
Bis (2-ethylhexyl) Phthalate	ND	0.068	1	08/30/2024 15:01
4-Bromophenyl Phenyl Ether	ND	0.27	1	08/30/2024 15:01
Butylbenzyl Phthalate	ND	0.068	1	08/30/2024 15:01
4-Chloroaniline	ND	0.0014	1	08/30/2024 15:01
4-Chloro-3-methylphenol	ND	0.27	1	08/30/2024 15:01
2-Chloronaphthalene	ND	0.27	1	08/30/2024 15:01
2-Chlorophenol	ND	0.013	1	08/30/2024 15:01
4-Chlorophenyl Phenyl Ether	ND	0.27	1	08/30/2024 15:01
Chrysene	ND	0.0014	1	08/30/2024 15:01
Dibenzo (a,h) anthracene	ND	0.0027	1	08/30/2024 15:01
Dibenzofuran	ND	0.0014	1	08/30/2024 15:01
Di-n-butyl Phthalate	ND	0.068	1	08/30/2024 15:01
1,2-Dichlorobenzene	ND	0.27	1	08/30/2024 15:01
1,3-Dichlorobenzene	ND	0.27	1	08/30/2024 15:01
1,4-Dichlorobenzene	ND	0.27	1	08/30/2024 15:01
3,3-Dichlorobenzidine	ND	0.0014	1	08/30/2024 15:01
2,4-Dichlorophenol	ND	0.0027	1	08/30/2024 15:01
2,6-Dichlorophenol	ND	0.013	1	08/30/2024 15:01
Diethyl Phthalate	ND	0.013	1	08/30/2024 15:01

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	GC17 08302413.D	300844

Analytes	Result	RL	DF	Date Analyzed
2,4-Dimethylphenol	ND	0.27	1	08/30/2024 15:01
Dimethyl Phthalate	ND	0.0027	1	08/30/2024 15:01
4,6-Dinitro-2-methylphenol	ND	1.3	1	08/30/2024 15:01
2,4-Dinitrophenol	ND	0.27	1	08/30/2024 15:01
2,4-Dinitrotoluene	ND	0.013	1	08/30/2024 15:01
2,6-Dinitrotoluene	ND	0.013	1	08/30/2024 15:01
Di-n-octyl Phthalate	ND	0.68	1	08/30/2024 15:01
1,2-Diphenylhydrazine	ND	0.27	1	08/30/2024 15:01
Fluoranthene	**0.0029**	0.0027	1	08/30/2024 15:01
Fluorene	ND	0.0027	1	08/30/2024 15:01
Hexachlorobenzene	ND	0.0014	1	08/30/2024 15:01
Hexachlorobutadiene	ND	0.0014	1	08/30/2024 15:01
Hexachlorocyclopentadiene	ND	1.3	1	08/30/2024 15:01
Hexachloroethane	ND	0.0027	1	08/30/2024 15:01
Indeno (1,2,3-cd) pyrene	ND	0.0027	1	08/30/2024 15:01
Isophorone	ND	0.27	1	08/30/2024 15:01
1-Methylnaphthalene	ND	0.0014	1	08/30/2024 15:01
2-Methylnaphthalene	ND	0.0014	1	08/30/2024 15:01
2-Methylphenol (o-Cresol)	ND	0.27	1	08/30/2024 15:01
3 & 4-Methylphenol (m,p-Cresol)	ND	0.27	1	08/30/2024 15:01
Naphthalene	ND	0.0027	1	08/30/2024 15:01
2-Nitroaniline	ND	1.3	1	08/30/2024 15:01
3-Nitroaniline	ND	1.3	1	08/30/2024 15:01
4-Nitroaniline	ND	1.3	1	08/30/2024 15:01
Nitrobenzene	ND	0.27	1	08/30/2024 15:01
2-Nitrophenol	ND	1.3	1	08/30/2024 15:01
4-Nitrophenol	ND	1.3	1	08/30/2024 15:01
N-Nitrosodiphenylamine	ND	0.27	1	08/30/2024 15:01
N-Nitrosodi-n-propylamine	ND	0.27	1	08/30/2024 15:01
Pentachlorophenol	ND	0.068	1	08/30/2024 15:01
Phenanthrene	**0.0068**	0.0014	1	08/30/2024 15:01
Phenol	ND	0.011	1	08/30/2024 15:01
Pyrene	**0.0021**	0.0014	1	08/30/2024 15:01
Pyridine	ND	0.27	1	08/30/2024 15:01
1,2,4-Trichlorobenzene	ND	0.27	1	08/30/2024 15:01
2,4,5-Trichlorophenol	ND	0.0027	1	08/30/2024 15:01

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	GC17 08302413.D	300844

Analytes	Result	RL	DF	Date Analyzed
2,4,6-Trichlorophenol	ND	0.0027	1	08/30/2024 15:01
N-Nitrosodimethylamine	ND	1.3	1	08/30/2024 15:01
2,3,4,6-Tetrachlorophenol	ND	0.27	1	08/30/2024 15:01

Surrogates	REC (%)	Limits	Date Analyzed
2-Fluorophenol	82	60-130	08/30/2024 15:01
Phenol-d5	80	60-130	08/30/2024 15:01
Nitrobenzene-d5	63	60-130	08/30/2024 15:01
2-Fluorobiphenyl	78	60-130	08/30/2024 15:01
2,4,6-Tribromophenol	66	50-130	08/30/2024 15:01
4-Terphenyl-d14	81	50-130	08/30/2024 15:01

Analyst(s): AK Analytical Comments: h5

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	GC17 08302412.D	300844

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.0016	1	08/30/2024 14:34
Acenaphthylene	ND	0.0016	1	08/30/2024 14:34
Acetochlor	ND	0.31	1	08/30/2024 14:34
Anthracene	ND	0.0016	1	08/30/2024 14:34
Benzidine	ND	1.5	1	08/30/2024 14:34
Benzo (a) anthracene	ND	0.015	1	08/30/2024 14:34
Benzo (a) pyrene	ND	0.0016	1	08/30/2024 14:34
Benzo (b) fluoranthene	ND	0.0031	1	08/30/2024 14:34
Benzo (g,h,i) perylene	ND	0.0031	1	08/30/2024 14:34
Benzo (k) fluoranthene	ND	0.0031	1	08/30/2024 14:34
Benzoic Acid	ND	1.5	1	08/30/2024 14:34
Benzyl Alcohol	ND	1.5	1	08/30/2024 14:34
1,1-Biphenyl	ND	0.015	1	08/30/2024 14:34
Bis (2-chloroethoxy) Methane	ND	0.31	1	08/30/2024 14:34
Bis (2-chloroethyl) Ether	ND	0.0016	1	08/30/2024 14:34
Bis (2-chloroisopropyl) Ether	ND	0.0031	1	08/30/2024 14:34
Bis (2-ethylhexyl) Adipate	ND	0.31	1	08/30/2024 14:34
Bis (2-ethylhexyl) Phthalate	ND	0.078	1	08/30/2024 14:34
4-Bromophenyl Phenyl Ether	ND	0.31	1	08/30/2024 14:34
Butylbenzyl Phthalate	ND	0.078	1	08/30/2024 14:34
4-Chloroaniline	ND	0.0016	1	08/30/2024 14:34
4-Chloro-3-methylphenol	ND	0.31	1	08/30/2024 14:34
2-Chloronaphthalene	ND	0.31	1	08/30/2024 14:34
2-Chlorophenol	ND	0.015	1	08/30/2024 14:34
4-Chlorophenyl Phenyl Ether	ND	0.31	1	08/30/2024 14:34
Chrysene	ND	0.0016	1	08/30/2024 14:34
Dibenzo (a,h) anthracene	ND	0.0031	1	08/30/2024 14:34
Dibenzofuran	ND	0.0016	1	08/30/2024 14:34
Di-n-butyl Phthalate	ND	0.078	1	08/30/2024 14:34
1,2-Dichlorobenzene	ND	0.31	1	08/30/2024 14:34
1,3-Dichlorobenzene	ND	0.31	1	08/30/2024 14:34
1,4-Dichlorobenzene	ND	0.31	1	08/30/2024 14:34
3,3-Dichlorobenzidine	ND	0.0016	1	08/30/2024 14:34
2,4-Dichlorophenol	ND	0.0031	1	08/30/2024 14:34
2,6-Dichlorophenol	ND	0.015	1	08/30/2024 14:34
Diethyl Phthalate	ND	0.015	1	08/30/2024 14:34

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	GC17 08302412.D	300844

Analytes	Result	RL	DF	Date Analyzed
2,4-Dimethylphenol	ND	0.31	1	08/30/2024 14:34
Dimethyl Phthalate	ND	0.0031	1	08/30/2024 14:34
4,6-Dinitro-2-methylphenol	ND	1.5	1	08/30/2024 14:34
2,4-Dinitrophenol	ND	0.31	1	08/30/2024 14:34
2,4-Dinitrotoluene	ND	0.015	1	08/30/2024 14:34
2,6-Dinitrotoluene	ND	0.015	1	08/30/2024 14:34
Di-n-octyl Phthalate	ND	0.78	1	08/30/2024 14:34
1,2-Diphenylhydrazine	ND	0.31	1	08/30/2024 14:34
Fluoranthene	ND	0.0031	1	08/30/2024 14:34
Fluorene	ND	0.0031	1	08/30/2024 14:34
Hexachlorobenzene	ND	0.0016	1	08/30/2024 14:34
Hexachlorobutadiene	ND	0.0016	1	08/30/2024 14:34
Hexachlorocyclopentadiene	ND	1.5	1	08/30/2024 14:34
Hexachloroethane	ND	0.0031	1	08/30/2024 14:34
Indeno (1,2,3-cd) pyrene	ND	0.0031	1	08/30/2024 14:34
Isophorone	ND	0.31	1	08/30/2024 14:34
1-Methylnaphthalene	ND	0.0016	1	08/30/2024 14:34
2-Methylnaphthalene	ND	0.0016	1	08/30/2024 14:34
2-Methylphenol (o-Cresol)	ND	0.31	1	08/30/2024 14:34
3 & 4-Methylphenol (m,p-Cresol)	ND	0.31	1	08/30/2024 14:34
Naphthalene	ND	0.0031	1	08/30/2024 14:34
2-Nitroaniline	ND	1.5	1	08/30/2024 14:34
3-Nitroaniline	ND	1.5	1	08/30/2024 14:34
4-Nitroaniline	ND	1.5	1	08/30/2024 14:34
Nitrobenzene	ND	0.31	1	08/30/2024 14:34
2-Nitrophenol	ND	1.5	1	08/30/2024 14:34
4-Nitrophenol	ND	1.5	1	08/30/2024 14:34
N-Nitrosodiphenylamine	ND	0.31	1	08/30/2024 14:34
N-Nitrosodi-n-propylamine	ND	0.31	1	08/30/2024 14:34
Pentachlorophenol	ND	0.078	1	08/30/2024 14:34
Phenanthrene	ND	0.0016	1	08/30/2024 14:34
Phenol	ND	0.013	1	08/30/2024 14:34
Pyrene	ND	0.0016	1	08/30/2024 14:34
Pyridine	ND	0.31	1	08/30/2024 14:34
1,2,4-Trichlorobenzene	ND	0.31	1	08/30/2024 14:34
2,4,5-Trichlorophenol	ND	0.0031	1	08/30/2024 14:34

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	GC17 08302412.D	300844

Analytes	Result	RL	DF	Date Analyzed
2,4,6-Trichlorophenol	ND	0.0031	1	08/30/2024 14:34
N-Nitrosodimethylamine	ND	1.5	1	08/30/2024 14:34
2,3,4,6-Tetrachlorophenol	ND	0.31	1	08/30/2024 14:34

Surrogates	REC (%)	Limits	Date Analyzed
2-Fluorophenol	83	60-130	08/30/2024 14:34
Phenol-d5	79	60-130	08/30/2024 14:34
Nitrobenzene-d5	71	60-130	08/30/2024 14:34
2-Fluorobiphenyl	75	60-130	08/30/2024 14:34
2,4,6-Tribromophenol	72	50-130	08/30/2024 14:34
4-Terphenyl-d14	80	50-130	08/30/2024 14:34

Analyst(s): AK Analytical Comments: h5

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	GC48 08302423.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acenaphthene	ND		0.0016	1	08/30/2024 14:37
Acenaphthylene	ND		0.0016	1	08/30/2024 14:37
Acetochlor	ND		0.30	1	08/30/2024 14:37
Anthracene	ND		0.0016	1	08/30/2024 14:37
Benzidine	ND		1.5	1	08/30/2024 14:37
Benzo (a) anthracene	ND		0.015	1	08/30/2024 14:37
Benzo (a) pyrene	**0.0017**	B	0.0016	1	08/30/2024 14:37
Benzo (b) fluoranthene	ND		0.0030	1	08/30/2024 14:37
Benzo (g,h,i) perylene	ND		0.0030	1	08/30/2024 14:37
Benzo (k) fluoranthene	ND		0.0030	1	08/30/2024 14:37
Benzoic Acid	ND		1.5	1	08/30/2024 14:37
Benzyl Alcohol	ND		1.5	1	08/30/2024 14:37
1,1-Biphenyl	ND		0.015	1	08/30/2024 14:37
Bis (2-chloroethoxy) Methane	ND		0.30	1	08/30/2024 14:37
Bis (2-chloroethyl) Ether	ND		0.0016	1	08/30/2024 14:37
Bis (2-chloroisopropyl) Ether	ND		0.0030	1	08/30/2024 14:37
Bis (2-ethylhexyl) Adipate	ND		0.30	1	08/30/2024 14:37
Bis (2-ethylhexyl) Phthalate	ND		0.075	1	08/30/2024 14:37
4-Bromophenyl Phenyl Ether	ND		0.30	1	08/30/2024 14:37
Butylbenzyl Phthalate	ND		0.075	1	08/30/2024 14:37
4-Chloroaniline	ND		0.0016	1	08/30/2024 14:37
4-Chloro-3-methylphenol	ND		0.30	1	08/30/2024 14:37
2-Chloronaphthalene	ND		0.30	1	08/30/2024 14:37
2-Chlorophenol	ND		0.015	1	08/30/2024 14:37
4-Chlorophenyl Phenyl Ether	ND		0.30	1	08/30/2024 14:37
Chrysene	ND		0.0016	1	08/30/2024 14:37
Dibenzo (a,h) anthracene	ND		0.0030	1	08/30/2024 14:37
Dibenzofuran	ND		0.0016	1	08/30/2024 14:37
Di-n-butyl Phthalate	ND		0.075	1	08/30/2024 14:37
1,2-Dichlorobenzene	ND		0.30	1	08/30/2024 14:37
1,3-Dichlorobenzene	ND		0.30	1	08/30/2024 14:37
1,4-Dichlorobenzene	ND		0.30	1	08/30/2024 14:37
3,3-Dichlorobenzidine	ND		0.0016	1	08/30/2024 14:37
2,4-Dichlorophenol	ND		0.0030	1	08/30/2024 14:37
2,6-Dichlorophenol	ND		0.015	1	08/30/2024 14:37
Diethyl Phthalate	ND		0.015	1	08/30/2024 14:37

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	GC48 08302423.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
2,4-Dimethylphenol	ND		0.30	1	08/30/2024 14:37
Dimethyl Phthalate	ND		0.0030	1	08/30/2024 14:37
4,6-Dinitro-2-methylphenol	ND		1.5	1	08/30/2024 14:37
2,4-Dinitrophenol	ND		0.30	1	08/30/2024 14:37
2,4-Dinitrotoluene	ND		0.015	1	08/30/2024 14:37
2,6-Dinitrotoluene	ND		0.015	1	08/30/2024 14:37
Di-n-octyl Phthalate	ND		0.75	1	08/30/2024 14:37
1,2-Diphenylhydrazine	ND		0.30	1	08/30/2024 14:37
Fluoranthene	ND		0.0030	1	08/30/2024 14:37
Fluorene	ND		0.0030	1	08/30/2024 14:37
Hexachlorobenzene	ND		0.0016	1	08/30/2024 14:37
Hexachlorobutadiene	ND		0.0016	1	08/30/2024 14:37
Hexachlorocyclopentadiene	ND		1.5	1	08/30/2024 14:37
Hexachloroethane	ND		0.0030	1	08/30/2024 14:37
Indeno (1,2,3-cd) pyrene	ND		0.0030	1	08/30/2024 14:37
Isophorone	ND		0.30	1	08/30/2024 14:37
1-Methylnaphthalene	ND		0.0016	1	08/30/2024 14:37
2-Methylnaphthalene	ND		0.0016	1	08/30/2024 14:37
2-Methylphenol (o-Cresol)	ND		0.30	1	08/30/2024 14:37
3 & 4-Methylphenol (m,p-Cresol)	ND		0.30	1	08/30/2024 14:37
Naphthalene	ND		0.0030	1	08/30/2024 14:37
2-Nitroaniline	ND		1.5	1	08/30/2024 14:37
3-Nitroaniline	ND		1.5	1	08/30/2024 14:37
4-Nitroaniline	ND		1.5	1	08/30/2024 14:37
Nitrobenzene	ND		0.30	1	08/30/2024 14:37
2-Nitrophenol	ND		1.5	1	08/30/2024 14:37
4-Nitrophenol	ND		1.5	1	08/30/2024 14:37
N-Nitrosodiphenylamine	ND		0.30	1	08/30/2024 14:37
N-Nitrosodi-n-propylamine	ND		0.30	1	08/30/2024 14:37
Pentachlorophenol	ND		0.075	1	08/30/2024 14:37
Phenanthrene	ND		0.0016	1	08/30/2024 14:37
Phenol	ND		0.012	1	08/30/2024 14:37
Pyrene	ND		0.0016	1	08/30/2024 14:37
Pyridine	ND		0.30	1	08/30/2024 14:37
1,2,4-Trichlorobenzene	ND		0.30	1	08/30/2024 14:37
2,4,5-Trichlorophenol	ND		0.0030	1	08/30/2024 14:37

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	GC48 08302423.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
2,4,6-Trichlorophenol	ND		0.0030	1	08/30/2024 14:37
N-Nitrosodimethylamine	ND		1.5	1	08/30/2024 14:37
2,3,4,6-Tetrachlorophenol	ND		0.30	1	08/30/2024 14:37

Surrogates	REC (%)	Limits	Date Analyzed
2-Fluorophenol	68	60-130	08/30/2024 14:37
Phenol-d5	70	60-130	08/30/2024 14:37
Nitrobenzene-d5	66	60-130	08/30/2024 14:37
2-Fluorobiphenyl	66	60-130	08/30/2024 14:37
2,4,6-Tribromophenol	66	50-130	08/30/2024 14:37
4-Terphenyl-d14	73	50-130	08/30/2024 14:37

Analyst(s): MV Analytical Comments: h5

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	GC17 08302414.D	300844

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.0016	1	08/30/2024 15:29
Acenaphthylene	ND	0.0016	1	08/30/2024 15:29
Acetochlor	ND	0.30	1	08/30/2024 15:29
Anthracene	ND	0.0016	1	08/30/2024 15:29
Benzidine	ND	1.4	1	08/30/2024 15:29
Benzo (a) anthracene	ND	0.014	1	08/30/2024 15:29
Benzo (a) pyrene	ND	0.0016	1	08/30/2024 15:29
Benzo (b) fluoranthene	ND	0.0030	1	08/30/2024 15:29
Benzo (g,h,i) perylene	ND	0.0030	1	08/30/2024 15:29
Benzo (k) fluoranthene	ND	0.0030	1	08/30/2024 15:29
Benzoic Acid	ND	1.4	1	08/30/2024 15:29
Benzyl Alcohol	ND	1.4	1	08/30/2024 15:29
1,1-Biphenyl	ND	0.014	1	08/30/2024 15:29
Bis (2-chloroethoxy) Methane	ND	0.30	1	08/30/2024 15:29
Bis (2-chloroethyl) Ether	ND	0.0016	1	08/30/2024 15:29
Bis (2-chloroisopropyl) Ether	ND	0.0030	1	08/30/2024 15:29
Bis (2-ethylhexyl) Adipate	ND	0.30	1	08/30/2024 15:29
Bis (2-ethylhexyl) Phthalate	ND	0.074	1	08/30/2024 15:29
4-Bromophenyl Phenyl Ether	ND	0.30	1	08/30/2024 15:29
Butylbenzyl Phthalate	ND	0.074	1	08/30/2024 15:29
4-Chloroaniline	ND	0.0016	1	08/30/2024 15:29
4-Chloro-3-methylphenol	ND	0.30	1	08/30/2024 15:29
2-Chloronaphthalene	ND	0.30	1	08/30/2024 15:29
2-Chlorophenol	ND	0.014	1	08/30/2024 15:29
4-Chlorophenyl Phenyl Ether	ND	0.30	1	08/30/2024 15:29
Chrysene	ND	0.0016	1	08/30/2024 15:29
Dibenzo (a,h) anthracene	ND	0.0030	1	08/30/2024 15:29
Dibenzofuran	ND	0.0016	1	08/30/2024 15:29
Di-n-butyl Phthalate	ND	0.074	1	08/30/2024 15:29
1,2-Dichlorobenzene	ND	0.30	1	08/30/2024 15:29
1,3-Dichlorobenzene	ND	0.30	1	08/30/2024 15:29
1,4-Dichlorobenzene	ND	0.30	1	08/30/2024 15:29
3,3-Dichlorobenzidine	ND	0.0016	1	08/30/2024 15:29
2,4-Dichlorophenol	ND	0.0030	1	08/30/2024 15:29
2,6-Dichlorophenol	ND	0.014	1	08/30/2024 15:29
Diethyl Phthalate	ND	0.014	1	08/30/2024 15:29

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	GC17 08302414.D	300844

Analytes	Result	RL	DF	Date Analyzed
2,4-Dimethylphenol	ND	0.30	1	08/30/2024 15:29
Dimethyl Phthalate	ND	0.0030	1	08/30/2024 15:29
4,6-Dinitro-2-methylphenol	ND	1.4	1	08/30/2024 15:29
2,4-Dinitrophenol	ND	0.30	1	08/30/2024 15:29
2,4-Dinitrotoluene	ND	0.014	1	08/30/2024 15:29
2,6-Dinitrotoluene	ND	0.014	1	08/30/2024 15:29
Di-n-octyl Phthalate	ND	0.74	1	08/30/2024 15:29
1,2-Diphenylhydrazine	ND	0.30	1	08/30/2024 15:29
Fluoranthene	ND	0.0030	1	08/30/2024 15:29
Fluorene	ND	0.0030	1	08/30/2024 15:29
Hexachlorobenzene	ND	0.0016	1	08/30/2024 15:29
Hexachlorobutadiene	ND	0.0016	1	08/30/2024 15:29
Hexachlorocyclopentadiene	ND	1.4	1	08/30/2024 15:29
Hexachloroethane	ND	0.0030	1	08/30/2024 15:29
Indeno (1,2,3-cd) pyrene	ND	0.0030	1	08/30/2024 15:29
Isophorone	ND	0.30	1	08/30/2024 15:29
1-Methylnaphthalene	ND	0.0016	1	08/30/2024 15:29
2-Methylnaphthalene	ND	0.0016	1	08/30/2024 15:29
2-Methylphenol (o-Cresol)	ND	0.30	1	08/30/2024 15:29
3 & 4-Methylphenol (m,p-Cresol)	ND	0.30	1	08/30/2024 15:29
Naphthalene	ND	0.0030	1	08/30/2024 15:29
2-Nitroaniline	ND	1.4	1	08/30/2024 15:29
3-Nitroaniline	ND	1.4	1	08/30/2024 15:29
4-Nitroaniline	ND	1.4	1	08/30/2024 15:29
Nitrobenzene	ND	0.30	1	08/30/2024 15:29
2-Nitrophenol	ND	1.4	1	08/30/2024 15:29
4-Nitrophenol	ND	1.4	1	08/30/2024 15:29
N-Nitrosodiphenylamine	ND	0.30	1	08/30/2024 15:29
N-Nitrosodi-n-propylamine	ND	0.30	1	08/30/2024 15:29
Pentachlorophenol	ND	0.074	1	08/30/2024 15:29
Phenanthrene	ND	0.0016	1	08/30/2024 15:29
Phenol	ND	0.012	1	08/30/2024 15:29
Pyrene	ND	0.0016	1	08/30/2024 15:29
Pyridine	ND	0.30	1	08/30/2024 15:29
1,2,4-Trichlorobenzene	ND	0.30	1	08/30/2024 15:29
2,4,5-Trichlorophenol	ND	0.0030	1	08/30/2024 15:29

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	GC17 08302414.D	300844

Analytes	Result	RL	DF	Date Analyzed
2,4,6-Trichlorophenol	ND	0.0030	1	08/30/2024 15:29
N-Nitrosodimethylamine	ND	1.4	1	08/30/2024 15:29
2,3,4,6-Tetrachlorophenol	ND	0.30	1	08/30/2024 15:29

Surrogates	REC (%)	Limits	Date Analyzed
2-Fluorophenol	99	60-130	08/30/2024 15:29
Phenol-d5	92	60-130	08/30/2024 15:29
Nitrobenzene-d5	79	60-130	08/30/2024 15:29
2-Fluorobiphenyl	88	60-130	08/30/2024 15:29
2,4,6-Tribromophenol	79	50-130	08/30/2024 15:29
4-Terphenyl-d14	95	50-130	08/30/2024 15:29

Analyst(s): AK Analytical Comments: h5

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	GC48 08302424.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acenaphthene	ND		0.0017	1	08/30/2024 15:05
Acenaphthylene	ND		0.0017	1	08/30/2024 15:05
Acetochlor	ND		0.33	1	08/30/2024 15:05
Anthracene	ND		0.0017	1	08/30/2024 15:05
Benzidine	ND		1.6	1	08/30/2024 15:05
Benzo (a) anthracene	ND		0.016	1	08/30/2024 15:05
Benzo (a) pyrene	**0.014**		0.0017	1	08/30/2024 15:05
Benzo (b) fluoranthene	**0.013**	B	0.0033	1	08/30/2024 15:05
Benzo (g,h,i) perylene	**0.011**	B	0.0033	1	08/30/2024 15:05
Benzo (k) fluoranthene	**0.0068**		0.0033	1	08/30/2024 15:05
Benzoic Acid	ND		1.6	1	08/30/2024 15:05
Benzyl Alcohol	ND		1.6	1	08/30/2024 15:05
1,1-Biphenyl	ND		0.016	1	08/30/2024 15:05
Bis (2-chloroethoxy) Methane	ND		0.33	1	08/30/2024 15:05
Bis (2-chloroethyl) Ether	ND		0.0017	1	08/30/2024 15:05
Bis (2-chloroisopropyl) Ether	ND		0.0033	1	08/30/2024 15:05
Bis (2-ethylhexyl) Adipate	ND		0.33	1	08/30/2024 15:05
Bis (2-ethylhexyl) Phthalate	ND		0.081	1	08/30/2024 15:05
4-Bromophenyl Phenyl Ether	ND		0.33	1	08/30/2024 15:05
Butylbenzyl Phthalate	ND		0.081	1	08/30/2024 15:05
4-Chloroaniline	ND		0.0017	1	08/30/2024 15:05
4-Chloro-3-methylphenol	ND		0.33	1	08/30/2024 15:05
2-Chloronaphthalene	ND		0.33	1	08/30/2024 15:05
2-Chlorophenol	ND		0.016	1	08/30/2024 15:05
4-Chlorophenyl Phenyl Ether	ND		0.33	1	08/30/2024 15:05
Chrysene	**0.0077**		0.0017	1	08/30/2024 15:05
Dibenzo (a,h) anthracene	**0.0051**		0.0033	1	08/30/2024 15:05
Dibenzofuran	ND		0.0017	1	08/30/2024 15:05
Di-n-butyl Phthalate	ND		0.081	1	08/30/2024 15:05
1,2-Dichlorobenzene	ND		0.33	1	08/30/2024 15:05
1,3-Dichlorobenzene	ND		0.33	1	08/30/2024 15:05
1,4-Dichlorobenzene	ND		0.33	1	08/30/2024 15:05
3,3-Dichlorobenzidine	ND		0.0017	1	08/30/2024 15:05
2,4-Dichlorophenol	ND		0.0033	1	08/30/2024 15:05
2,6-Dichlorophenol	ND		0.016	1	08/30/2024 15:05
Diethyl Phthalate	ND		0.016	1	08/30/2024 15:05

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	GC48 08302424.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
2,4-Dimethylphenol	ND		0.33	1	08/30/2024 15:05
Dimethyl Phthalate	ND		0.0033	1	08/30/2024 15:05
4,6-Dinitro-2-methylphenol	ND		1.6	1	08/30/2024 15:05
2,4-Dinitrophenol	ND		0.33	1	08/30/2024 15:05
2,4-Dinitrotoluene	ND		0.016	1	08/30/2024 15:05
2,6-Dinitrotoluene	ND		0.016	1	08/30/2024 15:05
Di-n-octyl Phthalate	ND		0.81	1	08/30/2024 15:05
1,2-Diphenylhydrazine	ND		0.33	1	08/30/2024 15:05
Fluoranthene	**0.013**		0.0033	1	08/30/2024 15:05
Fluorene	ND		0.0033	1	08/30/2024 15:05
Hexachlorobenzene	ND		0.0017	1	08/30/2024 15:05
Hexachlorobutadiene	ND		0.0017	1	08/30/2024 15:05
Hexachlorocyclopentadiene	ND		1.6	1	08/30/2024 15:05
Hexachloroethane	ND		0.0033	1	08/30/2024 15:05
Indeno (1,2,3-cd) pyrene	**0.0086**	B	0.0033	1	08/30/2024 15:05
Isophorone	ND		0.33	1	08/30/2024 15:05
1-Methylnaphthalene	ND		0.0017	1	08/30/2024 15:05
2-Methylnaphthalene	ND		0.0017	1	08/30/2024 15:05
2-Methylphenol (o-Cresol)	ND		0.33	1	08/30/2024 15:05
3 & 4-Methylphenol (m,p-Cresol)	ND		0.33	1	08/30/2024 15:05
Naphthalene	ND		0.0033	1	08/30/2024 15:05
2-Nitroaniline	ND		1.6	1	08/30/2024 15:05
3-Nitroaniline	ND		1.6	1	08/30/2024 15:05
4-Nitroaniline	ND		1.6	1	08/30/2024 15:05
Nitrobenzene	ND		0.33	1	08/30/2024 15:05
2-Nitrophenol	ND		1.6	1	08/30/2024 15:05
4-Nitrophenol	ND		1.6	1	08/30/2024 15:05
N-Nitrosodiphenylamine	ND		0.33	1	08/30/2024 15:05
N-Nitrosodi-n-propylamine	ND		0.33	1	08/30/2024 15:05
Pentachlorophenol	ND		0.081	1	08/30/2024 15:05
Phenanthrene	**0.0035**		0.0017	1	08/30/2024 15:05
Phenol	ND		0.013	1	08/30/2024 15:05
Pyrene	**0.011**		0.0017	1	08/30/2024 15:05
Pyridine	ND		0.33	1	08/30/2024 15:05
1,2,4-Trichlorobenzene	ND		0.33	1	08/30/2024 15:05
2,4,5-Trichlorophenol	ND		0.0033	1	08/30/2024 15:05

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B/3640A
Date Prepared:	08/29/2024-09/10/2024	**Analytical Method:**	SW8270E
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Semi-Volatile Organics (Low Level) with GPC Cleanup

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	GC48 08302424.D	300844

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
2,4,6-Trichlorophenol	ND		0.0033	1	08/30/2024 15:05
N-Nitrosodimethylamine	ND		1.6	1	08/30/2024 15:05
2,3,4,6-Tetrachlorophenol	ND		0.33	1	08/30/2024 15:05

Surrogates	REC (%)	Limits	Date Analyzed
2-Fluorophenol	76	60-130	08/30/2024 15:05
Phenol-d5	76	60-130	08/30/2024 15:05
Nitrobenzene-d5	71	60-130	08/30/2024 15:05
2-Fluorobiphenyl	69	60-130	08/30/2024 15:05
2,4,6-Tribromophenol	72	50-130	08/30/2024 15:05
4-Terphenyl-d14	81	50-130	08/30/2024 15:05

Analyst(s): MV Analytical Comments: h5

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-1.0	2408K98-001A	Soil	08/22/2024 11:59	ICP-MS5 209SMPL.d	300748

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.58	1	08/29/2024 16:51
Arsenic	**2.3**	0.58	1	08/29/2024 16:51
Barium	**44**	5.8	1	08/29/2024 16:51
Beryllium	ND	0.58	1	08/29/2024 16:51
Cadmium	ND	0.58	1	08/29/2024 16:51
Chromium	**20**	0.58	1	08/29/2024 16:51
Cobalt	**2.7**	0.58	1	08/29/2024 16:51
Copper	**5.8**	0.58	1	08/29/2024 16:51
Lead	**2.5**	0.58	1	08/29/2024 16:51
Mercury	ND	0.058	1	08/29/2024 16:51
Molybdenum	ND	0.58	1	08/29/2024 16:51
Nickel	**17**	0.58	1	08/29/2024 16:51
Selenium	ND	0.58	1	08/29/2024 16:51
Silver	ND	0.58	1	08/29/2024 16:51
Thallium	ND	0.58	1	08/29/2024 16:51
Vanadium	**18**	0.58	1	08/29/2024 16:51
Zinc	**15**	5.8	1	08/29/2024 16:51

Surrogates	REC (%)	Limits	
Terbium	108	70-130	08/29/2024 16:51

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-5.0	2408K98-003A	Soil	08/22/2024 12:07	ICP-MS5 217SMPL.d	300748

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	ND		0.61	1	08/29/2024 17:20
Arsenic	**8.4**		0.61	1	08/29/2024 17:20
Barium	**130**		6.1	1	08/29/2024 17:20
Beryllium	**0.86**		0.61	1	08/29/2024 17:20
Cadmium	ND		0.61	1	08/29/2024 17:20
Chromium	**45**		0.61	1	08/29/2024 17:20
Cobalt	**18**		0.61	1	08/29/2024 17:20
Copper	**79**		0.61	1	08/29/2024 17:20
Lead	**17**		0.61	1	08/29/2024 17:20
Mercury	**0.097**	B	0.061	1	08/29/2024 17:20
Molybdenum	**0.81**	B	0.61	1	08/29/2024 17:20
Nickel	**60**		0.61	1	08/29/2024 17:20
Selenium	ND		0.61	1	08/29/2024 17:20
Silver	ND		0.61	1	08/29/2024 17:20
Thallium	ND		0.61	1	08/29/2024 17:20
Vanadium	**57**		0.61	1	08/29/2024 17:20
Zinc	**92**		6.1	1	08/29/2024 17:20

Surrogates	REC (%)	Limits	
Terbium	108	70-130	08/29/2024 17:20

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	ICP-MS5 220SMPL.d	300748

Analytes	Result	RL	DF	Date Analyzed
Antimony	**1.2**	0.61	1	08/29/2024 17:31
Arsenic	**7.4**	0.61	1	08/29/2024 17:31
Barium	**190**	6.1	1	08/29/2024 17:31
Beryllium	ND	0.61	1	08/29/2024 17:31
Cadmium	**1.2**	0.61	1	08/29/2024 17:31
Chromium	**330**	0.61	1	08/29/2024 17:31
Cobalt	**67**	0.61	1	08/29/2024 17:31
Copper	**47**	0.61	1	08/29/2024 17:31
Lead	**5.6**	0.61	1	08/29/2024 17:31
Mercury	ND	0.061	1	08/29/2024 17:31
Molybdenum	**1.8**	0.61	1	08/29/2024 17:31
Nickel	**670**	3.0	5	08/29/2024 22:46
Selenium	ND	0.61	1	08/29/2024 17:31
Silver	ND	0.61	1	08/29/2024 17:31
Thallium	ND	0.61	1	08/29/2024 17:31
Vanadium	**100**	0.61	1	08/29/2024 17:31
Zinc	**91**	6.1	1	08/29/2024 17:31

Surrogates	REC (%)	Limits	
Terbium	106	70-130	08/29/2024 17:31

Analyst(s): DB

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-5.0	2408K98-006A	Soil	08/22/2024 14:56	ICP-MS5 221SMPL.d	300748

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**0.73**		0.59	1	08/29/2024 17:34
Arsenic	**2.4**		0.59	1	08/29/2024 17:34
Barium	**110**		5.9	1	08/29/2024 17:34
Beryllium	ND		0.59	1	08/29/2024 17:34
Cadmium	ND		0.59	1	08/29/2024 17:34
Chromium	**600**		3.0	5	08/29/2024 22:50
Cobalt	**17**		0.59	1	08/29/2024 17:34
Copper	**30**		0.59	1	08/29/2024 17:34
Lead	**3.7**		0.59	1	08/29/2024 17:34
Mercury	**0.13**	B	0.059	1	08/29/2024 17:34
Molybdenum	**1.4**		0.59	1	08/29/2024 17:34
Nickel	**520**		0.59	1	08/29/2024 17:34
Selenium	ND		0.59	1	08/29/2024 17:34
Silver	ND		0.59	1	08/29/2024 17:34
Thallium	ND		0.59	1	08/29/2024 17:34
Vanadium	**63**		0.59	1	08/29/2024 17:34
Zinc	**65**		5.9	1	08/29/2024 17:34

Surrogates	REC (%)	Limits	
Terbium	108	70-130	08/29/2024 17:34

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	ICP-MS5 222SMPL.d	300748

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	ND		0.61	1	08/29/2024 17:38
Arsenic	**3.8**		0.61	1	08/29/2024 17:38
Barium	**110**		6.1	1	08/29/2024 17:38
Beryllium	ND		0.61	1	08/29/2024 17:38
Cadmium	**2.0**		0.61	1	08/29/2024 17:38
Chromium	**3600**		6.1	10	08/29/2024 22:54
Cobalt	**79**		0.61	1	08/29/2024 17:38
Copper	**67**		0.61	1	08/29/2024 17:38
Lead	**2.8**		0.61	1	08/29/2024 17:38
Mercury	**0.072**	B	0.061	1	08/29/2024 17:38
Molybdenum	ND		0.61	1	08/29/2024 17:38
Nickel	**3100**		6.1	10	08/29/2024 22:54
Selenium	ND		0.61	1	08/29/2024 17:38
Silver	ND		0.61	1	08/29/2024 17:38
Thallium	ND		0.61	1	08/29/2024 17:38
Vanadium	**93**		0.61	1	08/29/2024 17:38
Zinc	**66**		6.1	1	08/29/2024 17:38

Surrogates	REC (%)	Limits	
Terbium	109	70-130	08/29/2024 17:38

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-8.5	2408K98-010A	Soil	08/23/2024 12:30	ICP-MS5 223SMPL.d	300748

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**0.70**		0.53	1	08/29/2024 17:42
Arsenic	**8.3**		0.53	1	08/29/2024 17:42
Barium	**110**		5.3	1	08/29/2024 17:42
Beryllium	**0.55**		0.53	1	08/29/2024 17:42
Cadmium	ND		0.53	1	08/29/2024 17:42
Chromium	**49**		0.53	1	08/29/2024 17:42
Cobalt	**13**		0.53	1	08/29/2024 17:42
Copper	**24**		0.53	1	08/29/2024 17:42
Lead	**9.9**		0.53	1	08/29/2024 17:42
Mercury	ND		0.053	1	08/29/2024 17:42
Molybdenum	**0.61**	B	0.53	1	08/29/2024 17:42
Nickel	**140**		0.53	1	08/29/2024 17:42
Selenium	ND		0.53	1	08/29/2024 17:42
Silver	ND		0.53	1	08/29/2024 17:42
Thallium	ND		0.53	1	08/29/2024 17:42
Vanadium	**69**		0.53	1	08/29/2024 17:42
Zinc	**68**		5.3	1	08/29/2024 17:42

Surrogates	REC (%)	Limits	
Terbium	108	70-130	08/29/2024 17:42

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-1.0	2408K98-011A	Soil	08/23/2024 11:57	ICP-MS5 224SMPL.d	300748

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.75**	0.62	1	08/29/2024 17:45
Arsenic	**6.7**	0.62	1	08/29/2024 17:45
Barium	**150**	6.2	1	08/29/2024 17:45
Beryllium	ND	0.62	1	08/29/2024 17:45
Cadmium	ND	0.62	1	08/29/2024 17:45
Chromium	**200**	0.62	1	08/29/2024 17:45
Cobalt	**22**	0.62	1	08/29/2024 17:45
Copper	**42**	0.62	1	08/29/2024 17:45
Lead	**14**	0.62	1	08/29/2024 17:45
Mercury	ND	0.062	1	08/29/2024 17:45
Molybdenum	**1.4**	0.62	1	08/29/2024 17:45
Nickel	**150**	0.62	1	08/29/2024 17:45
Selenium	ND	0.62	1	08/29/2024 17:45
Silver	ND	0.62	1	08/29/2024 17:45
Thallium	ND	0.62	1	08/29/2024 17:45
Vanadium	**88**	0.62	1	08/29/2024 17:45
Zinc	**40**	6.2	1	08/29/2024 17:45

Surrogates	REC (%)	Limits	
Terbium	104	70-130	08/29/2024 17:45

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-1.0	2408K98-012A	Soil	08/23/2024 08:37	ICP-MS5 225SMPL.d	300748

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	ND		0.63	1	08/29/2024 17:49
Arsenic	**1.6**		0.63	1	08/29/2024 17:49
Barium	**110**		6.3	1	08/29/2024 17:49
Beryllium	ND		0.63	1	08/29/2024 17:49
Cadmium	ND		0.63	1	08/29/2024 17:49
Chromium	**160**		0.63	1	08/29/2024 17:49
Cobalt	**35**		0.63	1	08/29/2024 17:49
Copper	**120**		0.63	1	08/29/2024 17:49
Lead	**2.5**		0.63	1	08/29/2024 17:49
Mercury	ND		0.063	1	08/29/2024 17:49
Molybdenum	**1.1**	B	0.63	1	08/29/2024 17:49
Nickel	**180**		0.63	1	08/29/2024 17:49
Selenium	ND		0.63	1	08/29/2024 17:49
Silver	ND		0.63	1	08/29/2024 17:49
Thallium	ND		0.63	1	08/29/2024 17:49
Vanadium	**140**		0.63	1	08/29/2024 17:49
Zinc	**69**		6.3	1	08/29/2024 17:49

Surrogates	REC (%)	Limits	
Terbium	114	70-130	08/29/2024 17:49

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-3.0	2408K98-013A	Soil	08/23/2024 08:39	ICP-MS5 226SMPL.d	300748

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	ND		0.69	1	08/29/2024 17:52
Arsenic	**2.6**		0.69	1	08/29/2024 17:52
Barium	**97**		6.9	1	08/29/2024 17:52
Beryllium	ND		0.69	1	08/29/2024 17:52
Cadmium	**0.77**		0.69	1	08/29/2024 17:52
Chromium	**220**		0.69	1	08/29/2024 17:52
Cobalt	**17**		0.69	1	08/29/2024 17:52
Copper	**26**		0.69	1	08/29/2024 17:52
Lead	**4.0**		0.69	1	08/29/2024 17:52
Mercury	ND		0.069	1	08/29/2024 17:52
Molybdenum	**0.77**	B	0.69	1	08/29/2024 17:52
Nickel	**300**		0.69	1	08/29/2024 17:52
Selenium	ND		0.69	1	08/29/2024 17:52
Silver	ND		0.69	1	08/29/2024 17:52
Thallium	ND		0.69	1	08/29/2024 17:52
Vanadium	**73**		0.69	1	08/29/2024 17:52
Zinc	**86**		6.9	1	08/29/2024 17:52

Surrogates	REC (%)	Limits	
Terbium	108	70-130	08/29/2024 17:52

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	ICP-MS5 227SMPL.d	300748

Analytes	Result	RL	DF	Date Analyzed
Antimony	**1.2**	0.66	1	08/29/2024 17:56
Arsenic	**8.2**	0.66	1	08/29/2024 17:56
Barium	**120**	6.6	1	08/29/2024 17:56
Beryllium	ND	0.66	1	08/29/2024 17:56
Cadmium	**1.0**	0.66	1	08/29/2024 17:56
Chromium	**220**	0.66	1	08/29/2024 17:56
Cobalt	**21**	0.66	1	08/29/2024 17:56
Copper	**45**	0.66	1	08/29/2024 17:56
Lead	**5.7**	0.66	1	08/29/2024 17:56
Mercury	ND	0.066	1	08/29/2024 17:56
Molybdenum	**3.3**	0.66	1	08/29/2024 17:56
Nickel	**370**	0.66	1	08/29/2024 17:56
Selenium	ND	0.66	1	08/29/2024 17:56
Silver	ND	0.66	1	08/29/2024 17:56
Thallium	ND	0.66	1	08/29/2024 17:56
Vanadium	**96**	0.66	1	08/29/2024 17:56
Zinc	**86**	6.6	1	08/29/2024 17:56

Surrogates	REC (%)	Limits	
Terbium	109	70-130	08/29/2024 17:56

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-1.0	2408K98-017A	Soil	08/22/2024 09:38	ICP-MS5 228SMPL.d	300748

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**1.8**		0.59	1	08/29/2024 18:00
Arsenic	**20**		0.59	1	08/29/2024 18:00
Barium	**140**		5.9	1	08/29/2024 18:00
Beryllium	**0.62**		0.59	1	08/29/2024 18:00
Cadmium	**1.4**		0.59	1	08/29/2024 18:00
Chromium	**210**		0.59	1	08/29/2024 18:00
Cobalt	**20**		0.59	1	08/29/2024 18:00
Copper	**50**		0.59	1	08/29/2024 18:00
Lead	**14**		0.59	1	08/29/2024 18:00
Mercury	**0.067**	B	0.059	1	08/29/2024 18:00
Molybdenum	**12**		0.59	1	08/29/2024 18:00
Nickel	**390**		0.59	1	08/29/2024 18:00
Selenium	**19**		0.59	1	08/29/2024 18:00
Silver	ND		0.59	1	08/29/2024 18:00
Thallium	ND		0.59	1	08/29/2024 18:00
Vanadium	**100**		0.59	1	08/29/2024 18:00
Zinc	**110**		5.9	1	08/29/2024 18:00

Surrogates	REC (%)	Limits	
Terbium	110	70-130	08/29/2024 18:00

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-10.0	2408K98-020A	Soil	08/22/2024 09:53	ICP-MS4 121SMPL.d	300748

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**0.96**		0.55	1	08/29/2024 11:55
Arsenic	**8.9**		0.55	1	08/29/2024 11:55
Barium	**100**		5.5	1	08/29/2024 11:55
Beryllium	**0.55**		0.55	1	08/29/2024 11:55
Cadmium	ND		0.55	1	08/29/2024 11:55
Chromium	**32**		0.55	1	08/29/2024 11:55
Cobalt	**13**		0.55	1	08/29/2024 11:55
Copper	**32**		0.55	1	08/29/2024 11:55
Lead	**8.7**		0.55	1	08/29/2024 11:55
Mercury	**0.12**	B	0.055	1	08/29/2024 11:55
Molybdenum	ND		0.55	1	08/29/2024 11:55
Nickel	**40**		0.55	1	08/29/2024 11:55
Selenium	ND		0.55	1	08/29/2024 11:55
Silver	ND		0.55	1	08/29/2024 11:55
Thallium	ND		0.55	1	08/29/2024 11:55
Vanadium	**43**		0.55	1	08/29/2024 11:55
Zinc	**66**		5.5	1	08/29/2024 11:55

Surrogates	REC (%)	Limits	
Terbium	108	70-130	08/29/2024 11:55

Analyst(s): AL

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	ICP-MS4 136SMPL.d	300748

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	ND		0.56	1	08/29/2024 12:56
Arsenic	**1.8**		0.56	1	08/29/2024 12:56
Barium	**110**		5.6	1	08/29/2024 12:56
Beryllium	ND		0.56	1	08/29/2024 12:56
Cadmium	ND		0.56	1	08/29/2024 12:56
Chromium	**170**		0.56	1	08/29/2024 12:56
Cobalt	**38**		0.56	1	08/29/2024 12:56
Copper	**130**		0.56	1	08/29/2024 12:56
Lead	**18**		0.56	1	08/29/2024 12:56
Mercury	**0.094**	B	0.056	1	08/29/2024 12:56
Molybdenum	ND		0.56	1	08/29/2024 12:56
Nickel	**180**		0.56	1	08/29/2024 12:56
Selenium	ND		0.56	1	08/29/2024 12:56
Silver	ND		0.56	1	08/29/2024 12:56
Thallium	ND		0.56	1	08/29/2024 12:56
Vanadium	**150**		0.56	1	08/29/2024 12:56
Zinc	**75**		5.6	1	08/29/2024 12:56

Surrogates	REC (%)	Limits	
Terbium	108	70-130	08/29/2024 12:56

Analyst(s): WV

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	2408K98-022A	Soil	08/23/2024 08:00	ICP-MS4 137SMPL.d	300748

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**0.74**		0.59	1	08/29/2024 12:59
Arsenic	**6.6**		0.59	1	08/29/2024 12:59
Barium	**560**		5.9	1	08/29/2024 12:59
Beryllium	ND		0.59	1	08/29/2024 12:59
Cadmium	**0.86**		0.59	1	08/29/2024 12:59
Chromium	**220**		0.59	1	08/29/2024 12:59
Cobalt	**32**		0.59	1	08/29/2024 12:59
Copper	**85**		0.59	1	08/29/2024 12:59
Lead	**22**		0.59	1	08/29/2024 12:59
Mercury	**0.11**	B	0.059	1	08/29/2024 12:59
Molybdenum	**1.1**	B	0.59	1	08/29/2024 12:59
Nickel	**390**		0.59	1	08/29/2024 12:59
Selenium	ND		0.59	1	08/29/2024 12:59
Silver	ND		0.59	1	08/29/2024 12:59
Thallium	ND		0.59	1	08/29/2024 12:59
Vanadium	**110**		0.59	1	08/29/2024 12:59
Zinc	**110**		5.9	1	08/29/2024 12:59

Surrogates	REC (%)	Limits	
Terbium	109	70-130	08/29/2024 12:59

Analyst(s): WV

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-5.0	2408K98-024A	Soil	08/22/2024 09:44	ICP-MS4 138SMPL.d	300748

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**1.8**		0.76	1	08/29/2024 13:04
Arsenic	**6.1**		0.76	1	08/29/2024 13:04
Barium	**290**		7.6	1	08/29/2024 13:04
Beryllium	ND		0.76	1	08/29/2024 13:04
Cadmium	**1.5**		0.76	1	08/29/2024 13:04
Chromium	**2000**		7.6	10	08/29/2024 13:55
Cobalt	**280**		0.76	1	08/29/2024 13:04
Copper	**67**		0.76	1	08/29/2024 13:04
Lead	**4.0**		0.76	1	08/29/2024 13:04
Mercury	**0.090**	B	0.076	1	08/29/2024 13:04
Molybdenum	**3.8**		0.76	1	08/29/2024 13:04
Nickel	**2100**		7.6	10	08/29/2024 13:55
Selenium	ND		0.76	1	08/29/2024 13:04
Silver	ND		0.76	1	08/29/2024 13:04
Thallium	ND		0.76	1	08/29/2024 13:04
Vanadium	**80**		0.76	1	08/29/2024 13:04
Zinc	**120**		7.6	1	08/29/2024 13:04

Surrogates	REC (%)	Limits	
Terbium	109	70-130	08/29/2024 13:04

Analyst(s): WV

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-7.0	2408K98-025A	Soil	08/23/2024 08:05	ICP-MS4 152SMPL.d	300748

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**2.0**		0.55	1	08/29/2024 13:59
Arsenic	**26**		0.55	1	08/29/2024 13:59
Barium	**72**		5.5	1	08/29/2024 13:59
Beryllium	**0.75**		0.55	1	08/29/2024 13:59
Cadmium	ND		0.55	1	08/29/2024 13:59
Chromium	**32**		0.55	1	08/29/2024 13:59
Cobalt	**18**		0.55	1	08/29/2024 13:59
Copper	**47**		0.55	1	08/29/2024 13:59
Lead	**23**		0.55	1	08/29/2024 13:59
Mercury	**0.26**	B	0.055	1	08/29/2024 13:59
Molybdenum	**1.0**	B	0.55	1	08/29/2024 13:59
Nickel	**52**		0.55	1	08/29/2024 13:59
Selenium	ND		0.55	1	08/29/2024 13:59
Silver	ND		0.55	1	08/29/2024 13:59
Thallium	ND		0.55	1	08/29/2024 13:59
Vanadium	**50**		0.55	1	08/29/2024 13:59
Zinc	**90**		5.5	1	08/29/2024 13:59

Surrogates	REC (%)	Limits	
Terbium	101	70-130	08/29/2024 13:59

Analyst(s): WV

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-1.0	2408K98-027A	Soil	08/23/2024 08:54	ICP-MS5 104SMPL.d	300758

Analytes	Result	RL	DF	Date Analyzed
Antimony	**1.4**	0.65	1	08/29/2024 10:32
Arsenic	**8.2**	0.65	1	08/29/2024 10:32
Barium	**190**	6.5	1	08/29/2024 10:32
Beryllium	ND	0.65	1	08/29/2024 10:32
Cadmium	**0.89**	0.65	1	08/29/2024 10:32
Chromium	**670**	3.2	5	08/29/2024 12:31
Cobalt	**39**	0.65	1	08/29/2024 10:32
Copper	**50**	0.65	1	08/29/2024 10:32
Lead	**5.0**	0.65	1	08/29/2024 10:32
Mercury	**0.11**	0.065	1	08/29/2024 10:32
Molybdenum	**1.8**	0.65	1	08/29/2024 10:32
Nickel	**660**	3.2	5	08/29/2024 12:31
Selenium	ND	0.65	1	08/29/2024 10:32
Silver	ND	0.65	1	08/29/2024 10:32
Thallium	ND	0.65	1	08/29/2024 10:32
Vanadium	**91**	0.65	1	08/29/2024 10:32
Zinc	**82**	6.5	1	08/29/2024 10:32

Surrogates	REC (%)	Limits	
Terbium	108	70-130	08/29/2024 10:32

Analyst(s): AL

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	ICP-MS4 140SMPL.d	300758

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.55	1	08/29/2024 13:12
Arsenic	**4.0**	0.55	1	08/29/2024 13:12
Barium	**160**	5.5	1	08/29/2024 13:12
Beryllium	ND	0.55	1	08/29/2024 13:12
Cadmium	ND	0.55	1	08/29/2024 13:12
Chromium	**110**	0.55	1	08/29/2024 13:12
Cobalt	**26**	0.55	1	08/29/2024 13:12
Copper	**130**	0.55	1	08/29/2024 13:12
Lead	**0.93**	0.55	1	08/29/2024 13:12
Mercury	ND	0.055	1	08/29/2024 13:12
Molybdenum	ND	0.55	1	08/29/2024 13:12
Nickel	**140**	0.55	1	08/29/2024 13:12
Selenium	ND	0.55	1	08/29/2024 13:12
Silver	ND	0.55	1	08/29/2024 13:12
Thallium	ND	0.55	1	08/29/2024 13:12
Vanadium	**210**	0.55	1	08/29/2024 13:12
Zinc	**52**	5.5	1	08/29/2024 13:12

Surrogates	REC (%)	Limits	
Terbium	107	70-130	08/29/2024 13:12

Analyst(s): WV

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-6-1	2408K98-032A	Soil	08/23/2024 10:05	ICP-MS4 138SMPL.d	300904

Analytes	Result	RL	DF	Date Analyzed
Antimony	**1.3**	0.60	1	09/03/2024 16:08
Arsenic	**4.2**	0.60	1	09/03/2024 16:08
Barium	**69**	6.0	1	09/03/2024 16:08
Beryllium	ND	0.60	1	09/03/2024 16:08
Cadmium	ND	0.60	1	09/03/2024 16:08
Chromium	**260**	0.60	1	09/03/2024 16:08
Cobalt	**7.3**	0.60	1	09/03/2024 16:08
Copper	**44**	0.60	1	09/03/2024 16:08
Lead	**28**	0.60	1	09/03/2024 16:08
Mercury	**0.13**	0.060	1	09/03/2024 16:08
Molybdenum	**1.6**	0.60	1	09/03/2024 16:08
Nickel	**140**	0.60	1	09/03/2024 16:08
Selenium	ND	0.60	1	09/03/2024 16:08
Silver	ND	0.60	1	09/03/2024 16:08
Thallium	ND	0.60	1	09/03/2024 16:08
Vanadium	**110**	0.60	1	09/03/2024 16:08
Zinc	**130**	6.0	1	09/03/2024 16:08

Surrogates	REC (%)	Limits	
Terbium	100	70-130	09/03/2024 16:08

Analyst(s): MIG

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-6-3	2408K98-033A	Soil	08/23/2024 10:10	ICP-MS4 141SMPL.d	300758

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.58	1	08/29/2024 13:16
Arsenic	**3.5**	0.58	1	08/29/2024 13:16
Barium	**130**	5.8	1	08/29/2024 13:16
Beryllium	ND	0.58	1	08/29/2024 13:16
Cadmium	ND	0.58	1	08/29/2024 13:16
Chromium	**130**	0.58	1	08/29/2024 13:16
Cobalt	**20**	0.58	1	08/29/2024 13:16
Copper	**56**	0.58	1	08/29/2024 13:16
Lead	**54**	0.58	1	08/29/2024 13:16
Mercury	**0.11**	0.058	1	08/29/2024 13:16
Molybdenum	**1.1**	0.58	1	08/29/2024 13:16
Nickel	**130**	0.58	1	08/29/2024 13:16
Selenium	ND	0.58	1	08/29/2024 13:16
Silver	ND	0.58	1	08/29/2024 13:16
Thallium	ND	0.58	1	08/29/2024 13:16
Vanadium	**50**	0.58	1	08/29/2024 13:16
Zinc	**84**	5.8	1	08/29/2024 13:16

Surrogates	REC (%)	Limits	
Terbium	103	70-130	08/29/2024 13:16

Analyst(s): WV

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	ICP-MS4 148SMPL.d	300758

Analytes	Result	RL	DF	Date Analyzed
Antimony	**1.2**	0.63	1	08/29/2024 13:43
Arsenic	**13**	0.63	1	08/29/2024 13:43
Barium	**230**	6.3	1	08/29/2024 13:43
Beryllium	**0.71**	0.63	1	08/29/2024 13:43
Cadmium	**1.1**	0.63	1	08/29/2024 13:43
Chromium	**440**	0.63	1	08/29/2024 13:43
Cobalt	**34**	0.63	1	08/29/2024 13:43
Copper	**43**	0.63	1	08/29/2024 13:43
Lead	**13**	0.63	1	08/29/2024 13:43
Mercury	**0.13**	0.063	1	08/29/2024 13:43
Molybdenum	**1.2**	0.63	1	08/29/2024 13:43
Nickel	**500**	0.63	1	08/29/2024 13:43
Selenium	ND	0.63	1	08/29/2024 13:43
Silver	ND	0.63	1	08/29/2024 13:43
Thallium	ND	0.63	1	08/29/2024 13:43
Vanadium	**96**	0.63	1	08/29/2024 13:43
Zinc	**69**	6.3	1	08/29/2024 13:43

Surrogates	REC (%)	Limits	
Terbium	107	70-130	08/29/2024 13:43

Analyst(s): WV

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-10	2408K98-038A	Soil	08/22/2024 14:20	ICP-MS4 149SMPL.d	300758

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.58**	0.56	1	08/29/2024 13:47
Arsenic	**10**	0.56	1	08/29/2024 13:47
Barium	**82**	5.6	1	08/29/2024 13:47
Beryllium	**0.70**	0.56	1	08/29/2024 13:47
Cadmium	ND	0.56	1	08/29/2024 13:47
Chromium	**62**	0.56	1	08/29/2024 13:47
Cobalt	**14**	0.56	1	08/29/2024 13:47
Copper	**57**	0.56	1	08/29/2024 13:47
Lead	**11**	0.56	1	08/29/2024 13:47
Mercury	**0.069**	0.056	1	08/29/2024 13:47
Molybdenum	**0.92**	0.56	1	08/29/2024 13:47
Nickel	**97**	0.56	1	08/29/2024 13:47
Selenium	ND	0.56	1	08/29/2024 13:47
Silver	ND	0.56	1	08/29/2024 13:47
Thallium	ND	0.56	1	08/29/2024 13:47
Vanadium	**62**	0.56	1	08/29/2024 13:47
Zinc	**92**	5.6	1	08/29/2024 13:47

Surrogates	REC (%)	Limits	
Terbium	105	70-130	08/29/2024 13:47

Analyst(s): WV

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-1	2408K98-040A	Soil	08/22/2024 10:17	ICP-MS4 139SMPL.d	300904

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.76**	0.65	1	09/03/2024 16:12
Arsenic	**4.3**	0.65	1	09/03/2024 16:12
Barium	**300**	6.5	1	09/03/2024 16:12
Beryllium	ND	0.65	1	09/03/2024 16:12
Cadmium	ND	0.65	1	09/03/2024 16:12
Chromium	**370**	0.65	1	09/03/2024 16:12
Cobalt	**33**	0.65	1	09/03/2024 16:12
Copper	**42**	0.65	1	09/03/2024 16:12
Lead	**18**	0.65	1	09/03/2024 16:12
Mercury	**0.096**	0.065	1	09/03/2024 16:12
Molybdenum	**0.65**	0.65	1	09/03/2024 16:12
Nickel	**690**	3.3	5	09/03/2024 17:36
Selenium	ND	0.65	1	09/03/2024 16:12
Silver	ND	0.65	1	09/03/2024 16:12
Thallium	ND	0.65	1	09/03/2024 16:12
Vanadium	**86**	0.65	1	09/03/2024 16:12
Zinc	**73**	6.5	1	09/03/2024 16:12

Surrogates	REC (%)	Limits	
Terbium	97	70-130	09/03/2024 16:12

Analyst(s): DB, MIG

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	ICP-MS4 150SMPL.d	300758

Analytes	Result	RL	DF	Date Analyzed
Antimony	**1.3**	0.61	1	08/29/2024 13:51
Arsenic	**8.6**	0.61	1	08/29/2024 13:51
Barium	**280**	6.1	1	08/29/2024 13:51
Beryllium	ND	0.61	1	08/29/2024 13:51
Cadmium	**1.1**	0.61	1	08/29/2024 13:51
Chromium	**790**	3.0	5	08/29/2024 15:11
Cobalt	**93**	0.61	1	08/29/2024 13:51
Copper	**52**	0.61	1	08/29/2024 13:51
Lead	**6.7**	0.61	1	08/29/2024 13:51
Mercury	**0.15**	0.061	1	08/29/2024 13:51
Molybdenum	**1.2**	0.61	1	08/29/2024 13:51
Nickel	**910**	3.0	5	08/29/2024 15:11
Selenium	ND	0.61	1	08/29/2024 13:51
Silver	ND	0.61	1	08/29/2024 13:51
Thallium	ND	0.61	1	08/29/2024 13:51
Vanadium	**98**	0.61	1	08/29/2024 13:51
Zinc	**88**	6.1	1	08/29/2024 13:51

Surrogates	REC (%)	Limits	
Terbium	108	70-130	08/29/2024 13:51

Analyst(s): AL, WV

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-7	2408K98-043A	Soil	08/22/2024 10:56	ICP-MS4 153SMPL.d	300758

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.56**	0.55	1	08/29/2024 14:03
Arsenic	**9.8**	0.55	1	08/29/2024 14:03
Barium	**49**	5.5	1	08/29/2024 14:03
Beryllium	**0.57**	0.55	1	08/29/2024 14:03
Cadmium	ND	0.55	1	08/29/2024 14:03
Chromium	**29**	0.55	1	08/29/2024 14:03
Cobalt	**11**	0.55	1	08/29/2024 14:03
Copper	**27**	0.55	1	08/29/2024 14:03
Lead	**11**	0.55	1	08/29/2024 14:03
Mercury	**0.084**	0.055	1	08/29/2024 14:03
Molybdenum	ND	0.55	1	08/29/2024 14:03
Nickel	**38**	0.55	1	08/29/2024 14:03
Selenium	ND	0.55	1	08/29/2024 14:03
Silver	ND	0.55	1	08/29/2024 14:03
Thallium	ND	0.55	1	08/29/2024 14:03
Vanadium	**44**	0.55	1	08/29/2024 14:03
Zinc	**68**	5.5	1	08/29/2024 14:03

Surrogates	REC (%)	Limits	
Terbium	107	70-130	08/29/2024 14:03

Analyst(s): WV

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-1	2408K98-046A	Soil	08/23/2024 10:50	ICP-MS4 154SMPL.d	300758

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.82**	0.61	1	08/29/2024 14:07
Arsenic	**5.4**	0.61	1	08/29/2024 14:07
Barium	**160**	6.1	1	08/29/2024 14:07
Beryllium	ND	0.61	1	08/29/2024 14:07
Cadmium	**0.83**	0.61	1	08/29/2024 14:07
Chromium	**180**	0.61	1	08/29/2024 14:07
Cobalt	**23**	0.61	1	08/29/2024 14:07
Copper	**45**	0.61	1	08/29/2024 14:07
Lead	**310**	0.61	1	08/29/2024 14:07
Mercury	**0.37**	0.061	1	08/29/2024 14:07
Molybdenum	**1.0**	0.61	1	08/29/2024 14:07
Nickel	**130**	0.61	1	08/29/2024 14:07
Selenium	ND	0.61	1	08/29/2024 14:07
Silver	ND	0.61	1	08/29/2024 14:07
Thallium	ND	0.61	1	08/29/2024 14:07
Vanadium	**75**	0.61	1	08/29/2024 14:07
Zinc	**64**	6.1	1	08/29/2024 14:07

Surrogates	REC (%)	Limits	
Terbium	107	70-130	08/29/2024 14:07

Analyst(s): WV

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	ICP-MS4 155SMPL.d	300758

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.74**	0.60	1	08/29/2024 14:11
Arsenic	**3.7**	0.60	1	08/29/2024 14:11
Barium	**140**	6.0	1	08/29/2024 14:11
Beryllium	**0.68**	0.60	1	08/29/2024 14:11
Cadmium	ND	0.60	1	08/29/2024 14:11
Chromium	**300**	0.60	1	08/29/2024 14:11
Cobalt	**22**	0.60	1	08/29/2024 14:11
Copper	**36**	0.60	1	08/29/2024 14:11
Lead	**7.8**	0.60	1	08/29/2024 14:11
Mercury	ND	0.060	1	08/29/2024 14:11
Molybdenum	**0.96**	0.60	1	08/29/2024 14:11
Nickel	**340**	0.60	1	08/29/2024 14:11
Selenium	ND	0.60	1	08/29/2024 14:11
Silver	ND	0.60	1	08/29/2024 14:11
Thallium	ND	0.60	1	08/29/2024 14:11
Vanadium	**82**	0.60	1	08/29/2024 14:11
Zinc	**82**	6.0	1	08/29/2024 14:11

Surrogates	REC (%)	Limits	
Terbium	108	70-130	08/29/2024 14:11

Analyst(s): WV

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	ICP-MS4 156SMPL.d	300758

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.97**	0.65	1	08/29/2024 14:15
Arsenic	**5.5**	0.65	1	08/29/2024 14:15
Barium	**200**	6.5	1	08/29/2024 14:15
Beryllium	ND	0.65	1	08/29/2024 14:15
Cadmium	**0.80**	0.65	1	08/29/2024 14:15
Chromium	**250**	0.65	1	08/29/2024 14:15
Cobalt	**31**	0.65	1	08/29/2024 14:15
Copper	**46**	0.65	1	08/29/2024 14:15
Lead	**52**	0.65	1	08/29/2024 14:15
Mercury	**0.73**	0.065	1	08/29/2024 14:15
Molybdenum	**1.3**	0.65	1	08/29/2024 14:15
Nickel	**340**	0.65	1	08/29/2024 14:15
Selenium	ND	0.65	1	08/29/2024 14:15
Silver	ND	0.65	1	08/29/2024 14:15
Thallium	ND	0.65	1	08/29/2024 14:15
Vanadium	**69**	0.65	1	08/29/2024 14:15
Zinc	**85**	6.5	1	08/29/2024 14:15

Surrogates	REC (%)	Limits	
Terbium	107	70-130	08/29/2024 14:15

Analyst(s): WV

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	08/28/2024-08/30/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-5	2408K98-054A	Soil	08/22/2024 16:15	ICP-MS4 157SMPL.d	300758

Analytes	Result	RL	DF	Date Analyzed
Antimony	**1.6**	0.73	1	08/29/2024 14:19
Arsenic	**14**	0.73	1	08/29/2024 14:19
Barium	**230**	7.3	1	08/29/2024 14:19
Beryllium	ND	0.73	1	08/29/2024 14:19
Cadmium	**1.3**	0.73	1	08/29/2024 14:19
Chromium	**1100**	3.6	5	08/29/2024 15:15
Cobalt	**61**	0.73	1	08/29/2024 14:19
Copper	**77**	0.73	1	08/29/2024 14:19
Lead	**9.2**	0.73	1	08/29/2024 14:19
Mercury	**0.17**	0.073	1	08/29/2024 14:19
Molybdenum	**2.6**	0.73	1	08/29/2024 14:19
Nickel	**1100**	3.6	5	08/29/2024 15:15
Selenium	**1.6**	0.73	1	08/29/2024 14:19
Silver	ND	0.73	1	08/29/2024 14:19
Thallium	ND	0.73	1	08/29/2024 14:19
Vanadium	**120**	0.73	1	08/29/2024 14:19
Zinc	**100**	7.3	1	08/29/2024 14:19

Surrogates	REC (%)	Limits	
Terbium	108	70-130	08/29/2024 14:19

Analyst(s): AL, WV

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CARB 435 Asbestos
Date Prepared:	08/30/2024-09/03/2024	**Analytical Method:**	435 CARB
Project:	750680202; SLO Courthouse	**Unit:**	%

Asbestos (CARB 435) 400 Point Count

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-1.0	2408K98-001A	Soil	08/22/2024 11:59	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 13:00

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-5.0	2408K98-003A	Soil	08/22/2024 12:07	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 13:05

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 13:10

Analyst(s): HCD Analytical Comments: k10

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CARB 435 Asbestos
Date Prepared:	08/30/2024-09/03/2024	**Analytical Method:**	435 CARB
Project:	750680202; SLO Courthouse	**Unit:**	%

Asbestos (CARB 435) 400 Point Count

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-5.0	2408K98-006A	Soil	08/22/2024 14:56	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 13:15

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-8.5	2408K98-010A	Soil	08/23/2024 12:30	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 13:20

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-1.0	2408K98-011A	Soil	08/23/2024 11:57	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 13:25

Analyst(s): HCD Analytical Comments: k10

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CARB 435 Asbestos
Date Prepared:	08/30/2024-09/03/2024	**Analytical Method:**	435 CARB
Project:	750680202; SLO Courthouse	**Unit:**	%

Asbestos (CARB 435) 400 Point Count

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-3.0	2408K98-013A	Soil	08/23/2024 08:39	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 13:30

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 13:35

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-1.0	2408K98-017A	Soil	08/22/2024 09:38	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 13:40

Analyst(s): HCD Analytical Comments: k10

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CARB 435 Asbestos
Date Prepared:	08/30/2024-09/03/2024	**Analytical Method:**	435 CARB
Project:	750680202; SLO Courthouse	**Unit:**	%

Asbestos (CARB 435) 400 Point Count

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-10.0	2408K98-020A	Soil	08/22/2024 09:53	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 13:45

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 13:50

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-7.0	2408K98-025A	Soil	08/23/2024 08:05	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 13:55

Analyst(s): HCD Analytical Comments: k10

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CARB 435 Asbestos
Date Prepared:	08/30/2024-09/03/2024	**Analytical Method:**	435 CARB
Project:	750680202; SLO Courthouse	**Unit:**	%

Asbestos (CARB 435) 400 Point Count

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-1.0	2408K98-027A	Soil	08/23/2024 08:54	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 14:00

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 14:05

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-6-3	2408K98-033A	Soil	08/23/2024 10:10	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 14:10

Analyst(s): HCD Analytical Comments: k10

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CARB 435 Asbestos
Date Prepared:	08/30/2024-09/03/2024	**Analytical Method:**	435 CARB
Project:	750680202; SLO Courthouse	**Unit:**	%

Asbestos (CARB 435) 400 Point Count

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 14:15

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-10	2408K98-038A	Soil	08/22/2024 14:20	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	09/03/2024 12:00

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	09/03/2024 12:05

Analyst(s): HCD Analytical Comments: k10

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CARB 435 Asbestos
Date Prepared:	08/30/2024-09/03/2024	**Analytical Method:**	435 CARB
Project:	750680202; SLO Courthouse	**Unit:**	%

Asbestos (CARB 435) 400 Point Count

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-7	2408K98-043A	Soil	08/22/2024 10:56	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 15:00

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	Microscope	301054

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	08/30/2024 15:05

Analyst(s): HCD Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	Microscope	301055

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	09/03/2024 12:15

Analyst(s): HCD Analytical Comments: k10

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	ASTM D2216
Date Prepared:	08/29/2024-08/30/2024	**Analytical Method:**	SW8000
Project:	750680202; SLO Courthouse	**Unit:**	wet wt%

Percent Moisture

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-1.0	2408K98-001A	Soil	08/22/2024 11:59	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**13.5**	0.100	08/29/2024 13:40

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-5.0	2408K98-003A	Soil	08/22/2024 12:07	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**18.2**	0.100	08/29/2024 13:50

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**17.7**	0.100	08/29/2024 13:55

Analyst(s): ISH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	ASTM D2216
Date Prepared:	08/29/2024-08/30/2024	**Analytical Method:**	SW8000
Project:	750680202; SLO Courthouse	**Unit:**	wet wt%

Percent Moisture

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-5.0	2408K98-006A	Soil	08/22/2024 14:56	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**15.5**	0.100	08/29/2024 14:00

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**18.5**	0.100	08/29/2024 14:05

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-8.5	2408K98-010A	Soil	08/23/2024 12:30	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**5.51**	0.100	08/29/2024 14:10

Analyst(s): ISH

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	ASTM D2216
Date Prepared:	08/29/2024-08/30/2024	**Analytical Method:**	SW8000
Project:	750680202; SLO Courthouse	**Unit:**	wet wt%

Percent Moisture

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-1.0	2408K98-011A	Soil	08/23/2024 11:57	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**19.6**	0.100	08/29/2024 14:15

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-1.0	2408K98-012A	Soil	08/23/2024 08:37	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**20.3**	0.100	08/29/2024 14:20

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-3.0	2408K98-013A	Soil	08/23/2024 08:39	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**27.5**	0.100	08/29/2024 14:25

Analyst(s): ISH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	ASTM D2216
Date Prepared:	08/29/2024-08/30/2024	**Analytical Method:**	SW8000
Project:	750680202; SLO Courthouse	**Unit:**	wet wt%

Percent Moisture

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**24.2**	0.100	08/29/2024 14:30

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-1.0	2408K98-017A	Soil	08/22/2024 09:38	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**14.8**	0.100	08/29/2024 14:35

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-10.0	2408K98-020A	Soil	08/22/2024 09:53	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**8.49**	0.100	08/29/2024 14:45

Analyst(s): ISH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	ASTM D2216
Date Prepared:	08/29/2024-08/30/2024	**Analytical Method:**	SW8000
Project:	750680202; SLO Courthouse	**Unit:**	wet wt%

Percent Moisture

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**10.6**	0.100	08/29/2024 14:50

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	2408K98-022A	Soil	08/23/2024 08:00	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**15.4**	0.100	08/29/2024 14:55

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-5.0	2408K98-024A	Soil	08/22/2024 09:44	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**34.6**	0.100	08/29/2024 15:00

Analyst(s): ISH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	ASTM D2216
Date Prepared:	08/29/2024-08/30/2024	**Analytical Method:**	SW8000
Project:	750680202; SLO Courthouse	**Unit:**	wet wt%

Percent Moisture

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-7.0	2408K98-025A	Soil	08/23/2024 08:05	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**9.82**	0.100	08/29/2024 15:05

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-1.0	2408K98-027A	Soil	08/23/2024 08:54	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**22.7**	0.100	08/29/2024 15:10

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**8.30**	0.100	08/29/2024 15:15

Analyst(s): ISH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	ASTM D2216
Date Prepared:	08/29/2024-08/30/2024	**Analytical Method:**	SW8000
Project:	750680202; SLO Courthouse	**Unit:**	wet wt%

Percent Moisture

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-6-1	2408K98-032A	Soil	08/23/2024 10:05	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**16.4**	0.100	08/29/2024 15:20

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-6-3	2408K98-033A	Soil	08/23/2024 10:10	WetChem	300856

Analytes	Result	RL	Date Analyzed
% Moisture	**14.5**	0.100	08/29/2024 15:25

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	WetChem	300946

Analytes	Result	RL	Date Analyzed
% Moisture	**20.6**	0.100	08/30/2024 13:03

Analyst(s): JME

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	ASTM D2216
Date Prepared:	08/29/2024-08/30/2024	**Analytical Method:**	SW8000
Project:	750680202; SLO Courthouse	**Unit:**	wet wt%

Percent Moisture

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-10	2408K98-038A	Soil	08/22/2024 14:20	WetChem	300946

Analytes	Result	RL	Date Analyzed
% Moisture	**10.0**	0.100	08/30/2024 13:13

Analyst(s): JME

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-1	2408K98-040A	Soil	08/22/2024 10:17	WetChem	300946

Analytes	Result	RL	Date Analyzed
% Moisture	**23.3**	0.100	08/30/2024 13:18

Analyst(s): JME

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	WetChem	300946

Analytes	Result	RL	Date Analyzed
% Moisture	**17.4**	0.100	08/30/2024 13:23

Analyst(s): JME

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	ASTM D2216
Date Prepared:	08/29/2024-08/30/2024	**Analytical Method:**	SW8000
Project:	750680202; SLO Courthouse	**Unit:**	wet wt%

Percent Moisture

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-7	2408K98-043A	Soil	08/22/2024 10:56	WetChem	300946

Analytes	Result	RL	Date Analyzed
% Moisture	**8.83**	0.100	08/30/2024 13:28

Analyst(s): JME

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-1	2408K98-046A	Soil	08/23/2024 10:50	WetChem	300946

Analytes	Result	RL	Date Analyzed
% Moisture	**18.4**	0.100	08/30/2024 13:33

Analyst(s): JME

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	WetChem	300946

Analytes	Result	RL	Date Analyzed
% Moisture	**16.7**	0.100	08/30/2024 13:38

Analyst(s): JME

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	ASTM D2216
Date Prepared:	08/29/2024-08/30/2024	**Analytical Method:**	SW8000
Project:	750680202; SLO Courthouse	**Unit:**	wet wt%

Percent Moisture

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	WetChem	300946

Analytes	Result	RL	Date Analyzed
% Moisture	**23.4**	0.100	08/30/2024 13:43

Analyst(s): JME

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-5	2408K98-054A	Soil	08/22/2024 16:15	WetChem	300946

Analytes	Result	RL	Date Analyzed
% Moisture	**31.4**	0.100	08/30/2024 13:48

Analyst(s): JME

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW9045D
Date Prepared:	08/29/2024-09/03/2024	**Analytical Method:**	SW9045D
Project:	750680202; SLO Courthouse	**Unit:**	pH units @ 25°C

pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-1.0	2408K98-001A	Soil	08/22/2024 11:59	WetChem	300857

Analytes	Result	Accuracy	DF	Date Analyzed
pH	**9.40**	±0.1	1	08/29/2024 14:09

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	WetChem	300857

Analytes	Result	Accuracy	DF	Date Analyzed
pH	**8.09**	±0.1	1	08/29/2024 14:12

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	WetChem	300857

Analytes	Result	Accuracy	DF	Date Analyzed
pH	**8.30**	±0.1	1	08/29/2024 14:15

Analyst(s): ISH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW9045D
Date Prepared:	08/29/2024-09/03/2024	**Analytical Method:**	SW9045D
Project:	750680202; SLO Courthouse	**Unit:**	pH units @ 25°C

pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	WetChem	300857

Analytes	Result	Accuracy	DF	Date Analyzed
pH	**7.90**	±0.1	1	08/29/2024 14:18

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-10.0	2408K98-020A	Soil	08/22/2024 09:53	WetChem	300857

Analytes	Result	Accuracy	DF	Date Analyzed
pH	**8.43**	±0.1	1	08/29/2024 14:21

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	WetChem	300857

Analytes	Result	Accuracy	DF	Date Analyzed
pH	**7.91**	±0.1	1	08/29/2024 14:24

Analyst(s): ISH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW9045D
Date Prepared:	08/29/2024-09/03/2024	**Analytical Method:**	SW9045D
Project:	750680202; SLO Courthouse	**Unit:**	pH units @ 25°C

pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	2408K98-022A	Soil	08/23/2024 08:00	WetChem	301036

Analytes	Result	Accuracy	DF	Date Analyzed
pH	**8.77**	±0.1	1	09/03/2024 12:48

Analyst(s): DWE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	WetChem	300857

Analytes	Result	Accuracy	DF	Date Analyzed
pH	**8.39**	±0.1	1	08/29/2024 14:27

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	WetChem	300857

Analytes	Result	Accuracy	DF	Date Analyzed
pH	**8.45**	±0.1	1	08/29/2024 14:30

Analyst(s): ISH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW9045D
Date Prepared:	08/29/2024-09/03/2024	**Analytical Method:**	SW9045D
Project:	750680202; SLO Courthouse	**Unit:**	pH units @ 25°C

pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	WetChem	300857

Analytes	Result	Accuracy	DF	Date Analyzed
pH	**8.73**	±0.1	1	08/29/2024 14:33

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	WetChem	300857

Analytes	Result	Accuracy	DF	Date Analyzed
pH	**8.01**	±0.1	1	08/29/2024 14:39

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	WetChem	300857

Analytes	Result	Accuracy	DF	Date Analyzed
pH	**7.51**	±0.1	1	08/29/2024 14:45

Analyst(s): ISH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8015B
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-1.0	2408K98-001A	Soil	08/22/2024 11:59	GC39B 08292415.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.3	1	08/29/2024 13:54
TPH-Motor Oil (C18-C36)	ND	12	1	08/29/2024 13:54

Surrogates	REC (%)	Limits	
C9	96	70-130	08/29/2024 13:54

Analyst(s): JNG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-5.0	2408K98-003A	Soil	08/22/2024 12:07	GC11B 08282443.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.4	1	08/29/2024 01:57
TPH-Motor Oil (C18-C36)	ND	12	1	08/29/2024 01:57

Surrogates	REC (%)	Limits	
C9	104	70-130	08/29/2024 01:57

Analyst(s): JNG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	GC11B 08292417.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**180**	2.4	1	08/29/2024 13:54
TPH-Motor Oil (C18-C36)	**560**	12	1	08/29/2024 13:54

Surrogates	REC (%)	Limits	
C9	103	70-130	08/29/2024 13:54

Analyst(s): JNG Analytical Comments: e7,e2

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8015B
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-5.0	2408K98-006A	Soil	08/22/2024 14:56	GC6A 08282426.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**53**	2.4	1	08/28/2024 17:11
TPH-Motor Oil (C18-C36)	**150**	12	1	08/28/2024 17:11

Surrogates	REC (%)	Limits	
C9	119	70-130	08/28/2024 17:11

Analyst(s): JNG Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	GC6B 08282429.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.5	1	08/28/2024 18:34
TPH-Motor Oil (C18-C36)	ND	12	1	08/28/2024 18:34

Surrogates	REC (%)	Limits	
C9	103	70-130	08/28/2024 18:34

Analyst(s): JNG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-8.5	2408K98-010A	Soil	08/23/2024 12:30	GC6A 08282430.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.1	1	08/28/2024 18:34
TPH-Motor Oil (C18-C36)	ND	11	1	08/28/2024 18:34

Surrogates	REC (%)	Limits	
C9	119	70-130	08/28/2024 18:34

Analyst(s): JNG

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8015B
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-1.0	2408K98-011A	Soil	08/23/2024 11:57	GC9a 08292428.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**10**	5.0	2	08/29/2024 17:20
TPH-Motor Oil (C18-C36)	**170**	25	2	08/29/2024 17:20

Surrogates	REC (%)	Limits	
C9	98	70-130	08/29/2024 17:20

Analyst(s): SA Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-1.0	2408K98-012A	Soil	08/23/2024 08:37	GC9b 08292445.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**29**	25	10	08/29/2024 23:11
TPH-Motor Oil (C18-C36)	**550**	130	10	08/29/2024 23:11

Surrogates	REC (%)	Limits	
C9	108	70-130	08/29/2024 23:11

Analyst(s): SA Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-3.0	2408K98-013A	Soil	08/23/2024 08:39	GC6A 08282444.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.8	1	08/28/2024 23:10
TPH-Motor Oil (C18-C36)	ND	14	1	08/28/2024 23:10

Surrogates	REC (%)	Limits	
C9	102	70-130	08/28/2024 23:10

Analyst(s): JNG

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8015B
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	GC11B 08282441.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.6	1	08/29/2024 01:19
TPH-Motor Oil (C18-C36)	ND	13	1	08/29/2024 01:19

Surrogates	REC (%)	Limits	
C9	104	70-130	08/29/2024 01:19

Analyst(s): JNG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-1.0	2408K98-017A	Soil	08/22/2024 09:38	GC6B 08282425.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.3	1	08/28/2024 17:11
TPH-Motor Oil (C18-C36)	ND	12	1	08/28/2024 17:11

Surrogates	REC (%)	Limits	
C9	98	70-130	08/28/2024 17:11

Analyst(s): JNG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-10.0	2408K98-020A	Soil	08/22/2024 09:53	GC11B 08282417.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.2	1	08/28/2024 17:38
TPH-Motor Oil (C18-C36)	ND	11	1	08/28/2024 17:38

Surrogates	REC (%)	Limits	
C9	107	70-130	08/28/2024 17:38

Analyst(s): JNG

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8015B
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	GC9a 09032410.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**18**	11	5	09/03/2024 12:02
TPH-Motor Oil (C18-C36)	**180**	56	5	09/03/2024 12:02

Surrogates	REC (%)	Limits	
C9	93	70-130	09/03/2024 12:02

Analyst(s): JNG Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	2408K98-022A	Soil	08/23/2024 08:00	GC11B 08292423.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.4	1	08/29/2024 15:48
TPH-Motor Oil (C18-C36)	**21**	12	1	08/29/2024 15:48

Surrogates	REC (%)	Limits	
C9	103	70-130	08/29/2024 15:48

Analyst(s): JNG Analytical Comments: e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-5.0	2408K98-024A	Soil	08/22/2024 09:44	GC6A 08282442.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	3.1	1	08/28/2024 22:31
TPH-Motor Oil (C18-C36)	ND	15	1	08/28/2024 22:31

Surrogates	REC (%)	Limits	
C9	103	70-130	08/28/2024 22:31

Analyst(s): JNG

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8015B
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-7.0	2408K98-025A	Soil	08/23/2024 08:05	GC9b 08282421.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.2	1	08/28/2024 16:21
TPH-Motor Oil (C18-C36)	ND	11	1	08/28/2024 16:21

Surrogates	REC (%)	Limits	
C9	107	70-130	08/28/2024 16:21

Analyst(s): JNG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-1.0	2408K98-027A	Soil	08/23/2024 08:54	GC11B 08282413.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.6	1	08/28/2024 16:16
TPH-Motor Oil (C18-C36)	ND	13	1	08/28/2024 16:16

Surrogates	REC (%)	Limits	
C9	102	70-130	08/28/2024 16:16

Analyst(s): JNG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	GC9b 08282429.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.2	1	08/28/2024 19:10
TPH-Motor Oil (C18-C36)	ND	11	1	08/28/2024 19:10

Surrogates	REC (%)	Limits	
C9	106	70-130	08/28/2024 19:10

Analyst(s): JNG

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8015B
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-6-3	2408K98-033A	Soil	08/23/2024 10:10	GC9b 08292423.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**37**	4.7	2	08/29/2024 15:59
TPH-Motor Oil (C18-C36)	**400**	23	2	08/29/2024 15:59

Surrogates	REC (%)	Limits	
C9	94	70-130	08/29/2024 15:59

Analyst(s): SA Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	GC11B 08282421.D	300759

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.5	1	08/28/2024 18:57
TPH-Motor Oil (C18-C36)	**15**	13	1	08/28/2024 18:57

Surrogates	REC (%)	Limits	
C9	97	70-130	08/28/2024 18:57

Analyst(s): JNG Analytical Comments: e7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-10	2408K98-038A	Soil	08/22/2024 14:20	GC9b 08292417.D	300760

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.2	1	08/29/2024 14:00
TPH-Motor Oil (C18-C36)	ND	11	1	08/29/2024 14:00

Surrogates	REC (%)	Limits	
C9	111	70-130	08/29/2024 14:00

Analyst(s): SA

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8015B
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	GC11B 08282447.D	300760

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.4	1	08/29/2024 03:14
TPH-Motor Oil (C18-C36)	ND	12	1	08/29/2024 03:14

Surrogates	REC (%)	Limits	
C9	101	70-130	08/29/2024 03:14

Analyst(s): JNG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-7	2408K98-043A	Soil	08/22/2024 10:56	GC11B 08292427.D	300760

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.2	1	08/29/2024 17:05
TPH-Motor Oil (C18-C36)	ND	11	1	08/29/2024 17:05

Surrogates	REC (%)	Limits	
C9	109	70-130	08/29/2024 17:05

Analyst(s): JNG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-1	2408K98-046A	Soil	08/23/2024 10:50	GC11B 08292429.D	300760

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**4.4**	2.5	1	08/29/2024 17:43
TPH-Motor Oil (C18-C36)	**50**	12	1	08/29/2024 17:43

Surrogates	REC (%)	Limits	
C9	106	70-130	08/29/2024 17:43

Analyst(s): JNG Analytical Comments: e7,e2

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8015B
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	GC11B 08292421.D	300760

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.4	1	08/29/2024 15:10
TPH-Motor Oil (C18-C36)	ND	12	1	08/29/2024 15:10

Surrogates	REC (%)	Limits	
C9	103	70-130	08/29/2024 15:10

Analyst(s): JNG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	GC11B 08292415.D	300760

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.6	1	08/29/2024 13:15
TPH-Motor Oil (C18-C36)	ND	13	1	08/29/2024 13:15

Surrogates	REC (%)	Limits	
C9	99	70-130	08/29/2024 13:15

Analyst(s): JNG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-5	2408K98-054A	Soil	08/22/2024 16:15	GC11A 08282450.D	300760

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	2.9	1	08/29/2024 03:52
TPH-Motor Oil (C18-C36)	ND	15	1	08/29/2024 03:52

Surrogates	REC (%)	Limits	
C9	94	70-130	08/29/2024 03:52

Analyst(s): JNG

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300832
Date Analyzed:	08/30/2024	**Extraction Method:**	SW3550B/3640Am/3630Cm
Instrument:	GC40	**Analytical Method:**	SW8081B/8082A
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300832

QC Summary Report for SW8081B/8082A

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.000042	0.00010	-	-	-
a-BHC	ND	0.000050	0.00010	-	-	-
b-BHC	ND	0.000051	0.00010	-	-	-
d-BHC	ND	0.000041	0.00010	-	-	-
g-BHC	ND	0.000052	0.00010	-	-	-
Chlordane (Technical)	ND	0.0014	0.0025	-	-	-
a-Chlordane	ND	0.000045	0.00010	-	-	-
g-Chlordane	ND	0.000058	0.00010	-	-	-
p,p-DDD	ND	0.000041	0.00010	-	-	-
p,p-DDE	ND	0.000058	0.00010	-	-	-
p,p-DDT	ND	0.000065	0.00010	-	-	-
Dieldrin	ND	0.000061	0.00010	-	-	-
Endosulfan I	ND	0.000037	0.00010	-	-	-
Endosulfan II	ND	0.000078	0.00010	-	-	-
Endosulfan sulfate	ND	0.000036	0.00010	-	-	-
Endrin	ND	0.000070	0.00010	-	-	-
Endrin aldehyde	ND	0.000061	0.00010	-	-	-
Endrin ketone	ND	0.000087	0.00010	-	-	-
Heptachlor	ND	0.000056	0.00010	-	-	-
Heptachlor epoxide	ND	0.000035	0.00010	-	-	-
Hexachlorobenzene	ND	0.000073	0.0010	-	-	-
Hexachlorocyclopentadiene	ND	0.00030	0.0020	-	-	-
Methoxychlor	ND	0.000079	0.00020	-	-	-
Toxaphene	ND	0.0058	0.010	-	-	-
Aroclor1016	ND	0.0016	0.0050	-	-	-
Aroclor1221	ND	0.0016	0.0050	-	-	-
Aroclor1232	ND	0.0016	0.0050	-	-	-
Aroclor1242	ND	0.0016	0.0050	-	-	-
Aroclor1248	ND	0.0016	0.0050	-	-	-
Aroclor1254	ND	0.0016	0.0050	-	-	-
Aroclor1260	ND	0.0016	0.0050	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.0042			0.005	85	28-170

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300832
Date Analyzed:	08/30/2024	**Extraction Method:**	SW3550B/3640Am/3630Cm
Instrument:	GC40	**Analytical Method:**	SW8081B/8082A
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300832

QC Summary Report for SW8081B/8082A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.0036	0.0037	0.0050	72	74	31-155	3.04	20
a-BHC	0.0041	0.0041	0.0050	83	82	32-160	1.33	20
b-BHC	0.0035	0.0036	0.0050	70	72	44-149	2.17	20
d-BHC	0.0026	0.0026	0.0050	51	51	37-157	0.133	20
g-BHC	0.0042	0.0042	0.0050	84	85	43-154	1.49	20
a-Chlordane	0.0039	0.0040	0.0050	78	79	39-150	1.90	20
g-Chlordane	0.0039	0.0040	0.0050	78	80	39-151	2.10	20
p,p-DDD	0.0043	0.0045	0.0050	87	89	30-158	2.81	20
p,p-DDE	0.0042	0.0043	0.0050	84	86	47-149	2.06	20
p,p-DDT	0.0055	0.0057	0.0050	111	114	56-166	2.52	20
Dieldrin	0.0042	0.0043	0.0050	83	86	50-163	2.74	20
Endosulfan I	0.0037	0.0038	0.0050	74	76	45-159	2.82	20
Endosulfan II	0.0039	0.0040	0.0050	78	81	41-155	3.50	20
Endosulfan sulfate	0.0041	0.0043	0.0050	82	85	45-156	3.64	20
Endrin	0.0047	0.0049	0.0050	95	98	54-154	2.89	20
Endrin aldehyde	0.0035	0.0037	0.0050	70	73	27-159	4.69	20
Endrin ketone	0.0048	0.0049	0.0050	96	99	40-147	3.17	20
Heptachlor	0.0047	0.0048	0.0050	93	95	52-165	2.01	20
Heptachlor epoxide	0.0037	0.0038	0.0050	75	77	46-145	2.70	20
Hexachlorobenzene	0.0036	0.0036	0.0050	72	73	22-156	1.62	20
Hexachlorocyclopentadiene	0.0038	0.0038	0.0050	75	76	43-173	1.44	20
Methoxychlor	0.0068	0.0071	0.0050	137	141	49-150	3.22	20
Aroclor1016	0.012	0.013	0.015	80	85	49-120	5.69	20
Aroclor1260	0.012	0.013	0.015	81	86	48-160	5.39	20
Surrogate Recovery								
Decachlorobiphenyl	0.0043	0.0044	0.0050	87	88	28-170	1.74	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300747
Date Analyzed:	08/29/2024 - 08/30/2024	**Extraction Method:**	SW5030B
Instrument:	GC38, GC49	**Analytical Method:**	SW8260D
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300747

QC Summary Report for SW8260D

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.12	0.20	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0012	0.0050	-	-	-
Benzene	ND	0.00095	0.0050	-	-	-
Bromobenzene	ND	0.0012	0.0050	-	-	-
Bromochloromethane	ND	0.0011	0.0050	-	-	-
Bromodichloromethane	ND	0.00023	0.0050	-	-	-
Bromoform	ND	0.0038	0.0050	-	-	-
Bromomethane	ND	0.0018	0.0050	-	-	-
2-Butanone (MEK)	ND	0.040	0.10	-	-	-
t-Butyl alcohol (TBA)	ND	0.024	0.050	-	-	-
n-Butyl benzene	ND	0.0016	0.0050	-	-	-
sec-Butyl benzene	ND	0.0018	0.0050	-	-	-
tert-Butyl benzene	ND	0.0021	0.0050	-	-	-
Carbon Disulfide	ND	0.0011	0.0050	-	-	-
Carbon Tetrachloride	ND	0.00017	0.0050	-	-	-
Chlorobenzene	ND	0.0012	0.0050	-	-	-
Chloroethane	ND	0.0017	0.0050	-	-	-
Chloroform	0.00041,J	0.00032	0.0050	-	-	-
Chloromethane	ND	0.0017	0.0050	-	-	-
2-Chlorotoluene	ND	0.0016	0.0050	-	-	-
4-Chlorotoluene	ND	0.0013	0.0050	-	-	-
Dibromochloromethane	ND	0.00040	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.00048	0.00050	-	-	-
1,2-Dibromoethane (EDB)	ND	0.00013	0.00025	-	-	-
Dibromomethane	ND	0.0012	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0017	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0015	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0015	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.00063	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0015	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.000070	0.00010	-	-	-
1,1-Dichloroethene	ND	0.00011	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0012	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0012	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0013	0.0050	-	-	-
1,3-Dichloropropane	ND	0.00088	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0019	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0018	0.0050	-	-	-

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300747
Date Analyzed:	08/29/2024 - 08/30/2024	**Extraction Method:**	SW5030B
Instrument:	GC38, GC49	**Analytical Method:**	SW8260D
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300747

QC Summary Report for SW8260D

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.00098	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.00097	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0018	0.0050	-	-	-
Ethylbenzene	ND	0.0011	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0014	0.0050	-	-	-
Freon 113	ND	0.0011	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0012	0.0050	-	-	-
Hexachloroethane	ND	0.00064	0.0050	-	-	-
2-Hexanone	ND	0.0027	0.0050	-	-	-
Isopropylbenzene	ND	0.0018	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0019	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0015	0.0050	-	-	-
Methylene chloride	ND	0.012	0.020	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.0017	0.0050	-	-	-
Naphthalene	ND	0.0030	0.0050	-	-	-
n-Propyl benzene	ND	0.0019	0.0050	-	-	-
Styrene	ND	0.0014	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0013	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.00044	0.0050	-	-	-
Tetrachloroethene	ND	0.00029	0.0050	-	-	-
Toluene	ND	0.0016	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0021	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0016	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0016	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0012	0.0050	-	-	-
Trichloroethene	ND	0.0014	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0013	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.00017	0.00025	-	-	-
1,2,4-Trimethylbenzene	ND	0.0016	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0017	0.0050	-	-	-
Vinyl Chloride	ND	0.00012	0.00025	-	-	-
m,p-Xylene	ND	0.0026	0.0050	-	-	-
o-Xylene	ND	0.0014	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300747
Date Analyzed:	08/29/2024 - 08/30/2024	**Extraction Method:**	SW5030B
Instrument:	GC38, GC49	**Analytical Method:**	SW8260D
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300747

QC Summary Report for SW8260D

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.11			0.125	91	70-140
Toluene-d8	0.14			0.125	109	70-140
4-BFB	0.012			0.0125	98	70-140
Benzene-d6	0.10			0.1	104	70-140
Ethylbenzene-d10	0.12			0.1	121	70-140
1,2-DCB-d4	0.074			0.1	74	70-140

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300747
Date Analyzed:	08/29/2024 - 08/30/2024	**Extraction Method:**	SW5030B
Instrument:	GC38, GC49	**Analytical Method:**	SW8260D
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300747

QC Summary Report for SW8260D

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.26	0.27	0.20	130	135	60-140	3.73	30
tert-Amyl methyl ether (TAME)	0.017	0.017	0.020	83	86	50-140	3.24	30
Benzene	0.017	0.018	0.020	85	89	60-140	4.46	30
Bromobenzene	0.021	0.021	0.020	104	103	60-140	1.82	30
Bromochloromethane	0.018	0.019	0.020	89	94	60-140	5.34	30
Bromodichloromethane	0.018	0.019	0.020	92	95	60-140	2.71	30
Bromoform	0.016	0.016	0.020	78	79	40-140	1.45	30
Bromomethane	0.020	0.022	0.020	102	109	30-140	6.71	30
2-Butanone (MEK)	0.058	0.059	0.080	73	74	50-140	0.953	30
t-Butyl alcohol (TBA)	0.087	0.094	0.080	109	117	50-140	7.21	30
n-Butyl benzene	0.029	0.028	0.020	143	142	60-150	0.954	30
sec-Butyl benzene	0.029	0.029	0.020	143	143	60-150	0.217	30
tert-Butyl benzene	0.026	0.025	0.020	128	126	60-140	1.43	30
Carbon Disulfide	0.019	0.021	0.020	97	104	50-140	7.46	30
Carbon Tetrachloride	0.018	0.020	0.020	92	99	60-140	7.46	30
Chlorobenzene	0.021	0.021	0.020	103	103	60-140	0.176	30
Chloroethane	0.018	0.020	0.020	91	99	50-140	8.61	30
Chloroform	0.019	0.020	0.020	95	99	60-140	4.12	30
Chloromethane	0.017	0.018	0.020	84	91	20-140	7.53	30
2-Chlorotoluene	0.025	0.025	0.020	124	126	60-140	1.32	30
4-Chlorotoluene	0.024	0.024	0.020	118	122	60-140	2.71	30
Dibromochloromethane	0.019	0.020	0.020	97	98	50-140	0.454	30
1,2-Dibromo-3-chloropropane	0.011	0.010	0.010	109	101	30-140	7.86	30
1,2-Dibromoethane (EDB)	0.011	0.011	0.010	109	111	40-140	1.13	30
Dibromomethane	0.019	0.019	0.020	96	97	60-140	0.954	30
1,2-Dichlorobenzene	0.019	0.019	0.020	96	93	60-140	3.24	30
1,3-Dichlorobenzene	0.023	0.022	0.020	114	112	60-140	1.34	30
1,4-Dichlorobenzene	0.021	0.021	0.020	106	106	60-140	0.138	30
Dichlorodifluoromethane	0.011	0.011	0.020	54	57	10-140	6.00	30
1,1-Dichloroethane	0.019	0.020	0.020	95	101	60-140	6.12	30
1,2-Dichloroethane (1,2-DCA)	0.020	0.020	0.020	98	102	60-140	3.95	30
1,1-Dichloroethene	0.018	0.020	0.020	91	99	60-140	8.11	30
cis-1,2-Dichloroethene	0.019	0.020	0.020	97	99	60-140	2.85	30
trans-1,2-Dichloroethene	0.019	0.020	0.020	96	101	60-140	4.73	30
1,2-Dichloropropane	0.019	0.020	0.020	96	100	60-140	3.96	30
1,3-Dichloropropane	0.020	0.021	0.020	102	105	60-140	3.22	30
2,2-Dichloropropane	0.021	0.023	0.020	107	115	60-140	7.15	30
1,1-Dichloropropene	0.019	0.021	0.020	97	103	60-140	6.64	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300747
Date Analyzed:	08/29/2024 - 08/30/2024	**Extraction Method:**	SW5030B
Instrument:	GC38, GC49	**Analytical Method:**	SW8260D
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300747

QC Summary Report for SW8260D

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.022	0.022	0.020	110	112	60-140	2.13	30
trans-1,3-Dichloropropene	0.022	0.022	0.020	110	112	60-140	2.16	30
Diisopropyl ether (DIPE)	0.017	0.018	0.020	86	92	60-140	6.28	30
Ethylbenzene	0.023	0.023	0.020	116	117	60-140	0.199	30
Ethyl tert-butyl ether (ETBE)	0.017	0.018	0.020	84	89	60-140	5.84	30
Freon 113	0.016	0.018	0.020	81	89	50-140	9.59	30
Hexachlorobutadiene	0.020	0.019	0.020	99	97	60-140	1.75	30
Hexachloroethane	0.023	0.023	0.020	113	113	60-140	0.402	30
2-Hexanone	0.019	0.019	0.020	94	94	40-140	0.392	30
Isopropylbenzene	0.027	0.027	0.020	133	135	60-140	0.947	30
4-Isopropyl toluene	0.028	0.028	0.020	138	138	60-150	0.0476	30
Methyl-t-butyl ether (MTBE)	0.016	0.017	0.020	82	87	50-140	5.13	30
Methylene chloride	0.023	0.024	0.020	117	118	60-140	0.705	30
4-Methyl-2-pentanone (MIBK)	0.019	0.019	0.020	95	97	50-140	2.50	30
Naphthalene	0.015	0.013	0.020	76	65	30-140	15.5	30
n-Propyl benzene	0.028	0.028	0.020	138	140	60-140	1.13	30
Styrene	0.020	0.020	0.020	101	100	60-140	0.948	30
1,1,1,2-Tetrachloroethane	0.020	0.020	0.020	97	98	60-140	0.942	30
1,1,2,2-Tetrachloroethane	0.020	0.020	0.020	99	98	40-140	1.11	30
Tetrachloroethene	0.021	0.022	0.020	107	108	60-140	1.16	30
Toluene	0.021	0.022	0.020	107	109	60-140	1.96	30
1,2,3-Trichlorobenzene	0.016	0.013	0.020	82	67	40-140	20.2	30
1,2,4-Trichlorobenzene	0.018	0.016	0.020	90	82	50-140	8.48	30
1,1,1-Trichloroethane	0.019	0.020	0.020	93	101	60-140	7.66	30
1,1,2-Trichloroethane	0.019	0.020	0.020	97	98	60-140	0.688	30
Trichloroethene	0.020	0.021	0.020	98	103	60-140	4.38	30
Trichlorofluoromethane	0.017	0.018	0.020	85	92	50-140	8.34	30
1,2,3-Trichloropropane	0.012	0.012	0.010	119	120	60-130	0.378	30
1,2,4-Trimethylbenzene	0.025	0.024	0.020	125	122	30-140	2.95	30
1,3,5-Trimethylbenzene	0.027	0.027	0.020	136	135	60-140	0.686	30
Vinyl Chloride	0.0086	0.0095	0.010	86	95	30-140	10.1	30
m,p-Xylene	0.043	0.044	0.040	108	110	60-140	1.86	30
o-Xylene	0.021	0.021	0.020	104	105	60-140	1.01	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300747
Date Analyzed:	08/29/2024 - 08/30/2024	**Extraction Method:**	SW5030B
Instrument:	GC38, GC49	**Analytical Method:**	SW8260D
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300747

QC Summary Report for SW8260D

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.12	0.12	0.12	94	95	70-140	0.940	30
Toluene-d8	0.14	0.14	0.12	110	110	70-140	0.138	30
4-BFB	0.013	0.013	0.012	106	106	70-140	0.664	30
Benzene-d6	0.11	0.11	0.10	109	108	70-140	0.293	30
Ethylbenzene-d10	0.13	0.13	0.10	126	126	70-140	0.756	30
1,2-DCB-d4	0.076	0.078	0.10	76	78	70-140	2.24	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300829
Date Analyzed:	08/30/2024	**Extraction Method:**	SW5030B
Instrument:	GC49	**Analytical Method:**	SW8260D
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300829

QC Summary Report for SW8260D

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.12	0.20	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0012	0.0050	-	-	-
Benzene	ND	0.00095	0.0050	-	-	-
Bromobenzene	ND	0.0012	0.0050	-	-	-
Bromochloromethane	ND	0.0011	0.0050	-	-	-
Bromodichloromethane	ND	0.00023	0.0050	-	-	-
Bromoform	ND	0.0038	0.0050	-	-	-
Bromomethane	ND	0.0018	0.0050	-	-	-
2-Butanone (MEK)	ND	0.040	0.10	-	-	-
t-Butyl alcohol (TBA)	ND	0.024	0.050	-	-	-
n-Butyl benzene	ND	0.0016	0.0050	-	-	-
sec-Butyl benzene	ND	0.0018	0.0050	-	-	-
tert-Butyl benzene	ND	0.0021	0.0050	-	-	-
Carbon Disulfide	ND	0.0011	0.0050	-	-	-
Carbon Tetrachloride	ND	0.00017	0.0050	-	-	-
Chlorobenzene	ND	0.0012	0.0050	-	-	-
Chloroethane	ND	0.0017	0.0050	-	-	-
Chloroform	0.00039,J	0.00032	0.0050	-	-	-
Chloromethane	ND	0.0017	0.0050	-	-	-
2-Chlorotoluene	ND	0.0016	0.0050	-	-	-
4-Chlorotoluene	ND	0.0013	0.0050	-	-	-
Dibromochloromethane	ND	0.00040	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.00048	0.00050	-	-	-
1,2-Dibromoethane (EDB)	ND	0.00013	0.00025	-	-	-
Dibromomethane	ND	0.0012	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0017	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0015	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0015	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.00063	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0015	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.000070	0.00010	-	-	-
1,1-Dichloroethene	ND	0.00011	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0012	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0012	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0013	0.0050	-	-	-
1,3-Dichloropropane	ND	0.00088	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0019	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300829
Date Analyzed:	08/30/2024	**Extraction Method:**	SW5030B
Instrument:	GC49	**Analytical Method:**	SW8260D
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300829

QC Summary Report for SW8260D

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.00098	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.00097	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0018	0.0050	-	-	-
Ethylbenzene	ND	0.0011	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0014	0.0050	-	-	-
Freon 113	ND	0.0011	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0012	0.0050	-	-	-
Hexachloroethane	ND	0.00064	0.0050	-	-	-
2-Hexanone	ND	0.0027	0.0050	-	-	-
Isopropylbenzene	ND	0.0018	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0019	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0015	0.0050	-	-	-
Methylene chloride	ND	0.012	0.020	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.0017	0.0050	-	-	-
Naphthalene	ND	0.0030	0.0050	-	-	-
n-Propyl benzene	ND	0.0019	0.0050	-	-	-
Styrene	ND	0.0014	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0013	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.00044	0.0050	-	-	-
Tetrachloroethene	ND	0.00029	0.0050	-	-	-
Toluene	ND	0.0016	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0021	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0016	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0016	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0012	0.0050	-	-	-
Trichloroethene	ND	0.0014	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0013	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.00017	0.00025	-	-	-
1,2,4-Trimethylbenzene	ND	0.0016	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0017	0.0050	-	-	-
Vinyl Chloride	ND	0.00012	0.00025	-	-	-
m,p-Xylene	ND	0.0026	0.0050	-	-	-
o-Xylene	ND	0.0014	0.0050	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300829
Date Analyzed:	08/30/2024	**Extraction Method:**	SW5030B
Instrument:	GC49	**Analytical Method:**	SW8260D
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300829

QC Summary Report for SW8260D

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.11			0.125	92	70-140
Toluene-d8	0.14			0.125	109	70-140
4-BFB	0.012			0.0125	100	70-140
Benzene-d6	0.10			0.1	103	70-140
Ethylbenzene-d10	0.12			0.1	122	70-140
1,2-DCB-d4	0.072			0.1	72	70-140

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300829
Date Analyzed:	08/30/2024	**Extraction Method:**	SW5030B
Instrument:	GC49	**Analytical Method:**	SW8260D
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300829

QC Summary Report for SW8260D

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.28	0.29	0.20	138	143,F2	60-140	3.16	30
tert-Amyl methyl ether (TAME)	0.018	0.018	0.020	89	92	50-140	4.10	30
Benzene	0.019	0.020	0.020	94	100	60-140	6.22	30
Bromobenzene	0.021	0.022	0.020	104	111	60-140	6.09	30
Bromochloromethane	0.019	0.020	0.020	94	100	60-140	5.53	30
Bromodichloromethane	0.019	0.020	0.020	96	102	60-140	5.92	30
Bromoform	0.016	0.016	0.020	79	81	40-140	2.87	30
Bromomethane	0.024	0.025	0.020	119	124	30-140	3.70	30
2-Butanone (MEK)	0.065	0.062	0.080	82	77	50-140	5.53	30
t-Butyl alcohol (TBA)	0.093	0.10	0.080	116	125	50-140	7.19	30
n-Butyl benzene	0.028	0.031	0.020	141	157,F2	60-150	10.7	30
sec-Butyl benzene	0.028	0.032	0.020	141	161,F2	60-150	12.8	30
tert-Butyl benzene	0.025	0.028	0.020	126	141,F2	60-140	11.0	30
Carbon Disulfide	0.022	0.024	0.020	112	120	50-140	7.30	30
Carbon Tetrachloride	0.020	0.022	0.020	101	109	60-140	8.09	30
Chlorobenzene	0.021	0.022	0.020	104	110	60-140	6.41	30
Chloroethane	0.022	0.023	0.020	110	117	50-140	6.25	30
Chloroform	0.020	0.022	0.020	101	108	60-140	6.46	30
Chloromethane	0.022	0.023	0.020	110	113	20-140	3.32	30
2-Chlorotoluene	0.024	0.027	0.020	121	134	60-140	9.67	30
4-Chlorotoluene	0.024	0.026	0.020	120	130	60-140	7.84	30
Dibromochloromethane	0.020	0.021	0.020	98	103	50-140	5.32	30
1,2-Dibromo-3-chloropropane	0.011	0.011	0.010	111	108	30-140	2.90	30
1,2-Dibromoethane (EDB)	0.011	0.012	0.010	111	116	40-140	4.75	30
Dibromomethane	0.020	0.021	0.020	101	106	60-140	5.47	30
1,2-Dichlorobenzene	0.019	0.020	0.020	93	98	60-140	5.76	30
1,3-Dichlorobenzene	0.022	0.024	0.020	111	120	60-140	7.78	30
1,4-Dichlorobenzene	0.021	0.023	0.020	104	113	60-140	8.74	30
Dichlorodifluoromethane	0.014	0.014	0.020	69	70	10-140	1.67	30
1,1-Dichloroethane	0.021	0.022	0.020	106	113	60-140	6.37	30
1,2-Dichloroethane (1,2-DCA)	0.021	0.022	0.020	103	109	60-140	5.86	30
1,1-Dichloroethene	0.021	0.022	0.020	105	112	60-140	7.11	30
cis-1,2-Dichloroethene	0.021	0.022	0.020	104	111	60-140	5.83	30
trans-1,2-Dichloroethene	0.021	0.023	0.020	107	115	60-140	7.54	30
1,2-Dichloropropane	0.021	0.022	0.020	104	110	60-140	5.96	30
1,3-Dichloropropane	0.021	0.022	0.020	105	111	60-140	5.44	30
2,2-Dichloropropane	0.024	0.026	0.020	119	129	60-140	8.42	30
1,1-Dichloropropene	0.021	0.023	0.020	107	116	60-140	8.40	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300829
Date Analyzed:	08/30/2024	**Extraction Method:**	SW5030B
Instrument:	GC49	**Analytical Method:**	SW8260D
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300829

QC Summary Report for SW8260D

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.022	0.024	0.020	112	120	60-140	6.76	30
trans-1,3-Dichloropropene	0.022	0.024	0.020	112	120	60-140	6.76	30
Diisopropyl ether (DIPE)	0.019	0.020	0.020	96	101	60-140	5.35	30
Ethylbenzene	0.024	0.025	0.020	118	127	60-140	7.26	30
Ethyl tert-butyl ether (ETBE)	0.018	0.019	0.020	91	97	60-140	5.51	30
Freon 113	0.019	0.020	0.020	94	101	50-140	6.99	30
Hexachlorobutadiene	0.020	0.023	0.020	101	117	60-140	15.0	30
Hexachloroethane	0.022	0.025	0.020	111	125	60-140	11.5	30
2-Hexanone	0.019	0.020	0.020	94	102	40-140	8.76	30
Isopropylbenzene	0.027	0.030	0.020	134	148,F2	60-140	9.49	30
4-Isopropyl toluene	0.027	0.030	0.020	137	152,F2	60-150	10.3	30
Methyl-t-butyl ether (MTBE)	0.018	0.019	0.020	89	94	50-140	5.45	30
Methylene chloride	0.024	0.026	0.020	121	132	60-140	8.15	30
4-Methyl-2-pentanone (MIBK)	0.019	0.020	0.020	96	99	50-140	2.62	30
Naphthalene	0.017	0.013	0.020	86	65	30-140	27.1	30
n-Propyl benzene	0.028	0.030	0.020	138	152,F2	60-140	9.71	30
Styrene	0.021	0.021	0.020	104	107	60-140	2.44	30
1,1,1,2-Tetrachloroethane	0.020	0.021	0.020	100	107	60-140	6.60	30
1,1,2,2-Tetrachloroethane	0.020	0.021	0.020	101	104	40-140	3.75	30
Tetrachloroethene	0.022	0.025	0.020	112	123	60-140	9.05	30
Toluene	0.022	0.024	0.020	111	119	60-140	6.79	30
1,2,3-Trichlorobenzene	0.017	0.015	0.020	83	74	40-140	11.5	30
1,2,4-Trichlorobenzene	0.018	0.018	0.020	88	88	50-140	0.781	30
1,1,1-Trichloroethane	0.021	0.022	0.020	103	111	60-140	7.31	30
1,1,2-Trichloroethane	0.021	0.022	0.020	103	109	60-140	5.19	30
Trichloroethene	0.021	0.023	0.020	107	115	60-140	6.89	30
Trichlorofluoromethane	0.019	0.021	0.020	97	105	50-140	7.86	30
1,2,3-Trichloropropane	0.012	0.013	0.010	120	127	60-130	5.85	30
1,2,4-Trimethylbenzene	0.024	0.026	0.020	122	132	30-140	7.54	30
1,3,5-Trimethylbenzene	0.026	0.029	0.020	132	145,F2	60-140	9.29	30
Vinyl Chloride	0.011	0.012	0.010	111	117	30-140	6.09	30
m,p-Xylene	0.045	0.048	0.040	111	119	60-140	6.99	30
o-Xylene	0.021	0.023	0.020	106	113	60-140	6.45	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300829
Date Analyzed:	08/30/2024	**Extraction Method:**	SW5030B
Instrument:	GC49	**Analytical Method:**	SW8260D
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300829

QC Summary Report for SW8260D

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.12	0.12	0.12	94	94	70-140	0.179	30
Toluene-d8	0.14	0.14	0.12	110	110	70-140	0.102	30
4-BFB	0.013	0.013	0.012	105	103	70-140	2.12	30
Benzene-d6	0.10	0.11	0.10	103	109	70-140	5.83	30
Ethylbenzene-d10	0.12	0.13	0.10	120	128	70-140	6.21	30
1,2-DCB-d4	0.071	0.077	0.10	71	77	70-140	7.79	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300844
Date Analyzed:	08/29/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC47	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300844

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acenaphthene	ND	0.00044	0.0013	-	-	-
Acenaphthylene	ND	0.00023	0.0013	-	-	-
Acetochlor	ND	0.11	0.25	-	-	-
Anthracene	ND	0.00060	0.0013	-	-	-
Benzidine	ND	0.40	1.2	-	-	-
Benzo (a) anthracene	ND	0.0030	0.012	-	-	-
Benzo (a) pyrene	0.0010,J	0.00078	0.0013	-	-	-
Benzo (b) fluoranthene	0.0019,J	0.0011	0.0025	-	-	-
Benzo (g,h,i) perylene	0.0019,J	0.00086	0.0025	-	-	-
Benzo (k) fluoranthene	ND	0.0012	0.0025	-	-	-
Benzyl Alcohol	ND	0.73	1.2	-	-	-
Benzoic Acid	ND	0.62	1.2	-	-	-
1,1-Biphenyl	ND	0.0054	0.012	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.13	0.25	-	-	-
Bis (2-chloroethyl) Ether	ND	0.00033	0.0013	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0012	0.0025	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.18	0.25	-	-	-
Bis (2-ethylhexyl) Phthalate	0.0099,J	0.0079	0.062	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.12	0.25	-	-	-
Butylbenzyl Phthalate	ND	0.0057	0.062	-	-	-
4-Chloro-3-methylphenol	ND	0.13	0.25	-	-	-
4-Chloroaniline	ND	0.00099	0.0013	-	-	-
2-Chloronaphthalene	ND	0.12	0.25	-	-	-
2-Chlorophenol	ND	0.0061	0.012	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.12	0.25	-	-	-
Chrysene	ND	0.00073	0.0013	-	-	-
Dibenzo (a,h) anthracene	ND	0.0013	0.0025	-	-	-
Dibenzofuran	ND	0.00032	0.0013	-	-	-
Di-n-butyl Phthalate	ND	0.0070	0.062	-	-	-
1,2-Dichlorobenzene	ND	0.14	0.25	-	-	-
1,3-Dichlorobenzene	ND	0.13	0.25	-	-	-
1,4-Dichlorobenzene	ND	0.12	0.25	-	-	-
3,3-Dichlorobenzidine	ND	0.00089	0.0013	-	-	-
2,4-Dichlorophenol	ND	0.0012	0.0025	-	-	-
Diethyl Phthalate	ND	0.0053	0.012	-	-	-
2,4-Dimethylphenol	ND	0.11	0.25	-	-	-
Dimethyl Phthalate	ND	0.0010	0.0025	-	-	-
4,6-Dinitro-2-methylphenol	ND	0.55	1.2	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300844
Date Analyzed:	08/29/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC47	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300844

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
2,4-Dinitrophenol	ND	0.11	0.25	-	-	-
2,4-Dinitrotoluene	ND	0.00041	0.012	-	-	-
2,6-Dichlorophenol	ND	0.00095	0.012	-	-	-
2,6-Dinitrotoluene	ND	0.0078	0.012	-	-	-
Di-n-octyl Phthalate	ND	0.31	0.62	-	-	-
1,2-Diphenylhydrazine	ND	0.11	0.25	-	-	-
Fluoranthene	ND	0.00073	0.0025	-	-	-
Fluorene	ND	0.00078	0.0025	-	-	-
Hexachlorobenzene	ND	0.00038	0.0013	-	-	-
Hexachlorobutadiene	ND	0.00028	0.0013	-	-	-
Hexachlorocyclopentadiene	ND	0.66	1.2	-	-	-
Hexachloroethane	ND	0.00062	0.0025	-	-	-
Indeno (1,2,3-cd) pyrene	0.0022,J	0.0014	0.0025	-	-	-
Isophorone	ND	0.055	0.25	-	-	-
1-Methylnaphthalene	ND	0.00035	0.0013	-	-	-
2-Methylnaphthalene	ND	0.00044	0.0013	-	-	-
2-Methylphenol (o-Cresol)	ND	0.15	0.25	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.14	0.25	-	-	-
Naphthalene	ND	0.00042	0.0025	-	-	-
2-Nitroaniline	ND	0.59	1.2	-	-	-
3-Nitroaniline	ND	0.73	1.2	-	-	-
4-Nitroaniline	ND	0.64	1.2	-	-	-
Nitrobenzene	ND	0.14	0.25	-	-	-
2-Nitrophenol	ND	0.63	1.2	-	-	-
4-Nitrophenol	ND	0.70	1.2	-	-	-
N-Nitrosodimethylamine	ND	0.61	1.2	-	-	-
N-Nitrosodi-n-propylamine	ND	0.14	0.25	-	-	-
N-Nitrosodiphenylamine	ND	0.11	0.25	-	-	-
Pentachlorophenol	ND	0.032	0.062	-	-	-
Phenanthrene	ND	0.0010	0.0013	-	-	-
Phenol	ND	0.0032	0.010	-	-	-
Pyrene	ND	0.00065	0.0013	-	-	-
Pyridine	ND	0.094	0.25	-	-	-
2,3,4,6-Tetrachlorophenol	ND	0.15	0.25	-	-	-
1,2,4-Trichlorobenzene	ND	0.13	0.25	-	-	-
2,4,5-Trichlorophenol	ND	0.00067	0.0025	-	-	-
2,4,6-Trichlorophenol	ND	0.00062	0.0025	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300844
Date Analyzed:	08/29/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC47	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300844

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	1.1			1.25	86	60-130
Phenol-d5	1.0			1.25	81	60-130
Nitrobenzene-d5	0.99			1.25	79	60-130
2-Fluorobiphenyl	1.0			1.25	82	60-130
2,4,6-Tribromophenol	0.73			1.25	58	50-130
4-Terphenyl-d14	1.2			1.25	98	50-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300844
Date Analyzed:	08/29/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC47	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300844

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acenaphthene	0.043	0.053	0.062	69	84	60-130	19.4	30
Acenaphthylene	0.042	0.051	0.062	68	81	60-130	18.1	30
Acetochlor	0.94	1.0	1.25	75	83	60-130	9.58	30
Anthracene	0.044	0.051	0.062	71	81	60-130	12.8	30
Benzidine	2.1	2.2	6.25	34	36	30-130	5.90	30
Benzo (a) anthracene	0.045	0.051	0.062	71	82	60-130	13.8	30
Benzo (a) pyrene	0.045	0.053	0.062	72	84	60-130	16.3	30
Benzo (b) fluoranthene	0.043	0.052	0.062	69	83	40-130	18.7	30
Benzo (g,h,i) perylene	0.043	0.050	0.062	68	80	60-130	16.0	30
Benzo (k) fluoranthene	0.045	0.052	0.062	73	83	60-130	13.1	30
Benzyl Alcohol	4.5	4.9	6.25	72	79	60-130	8.54	30
Benzoic Acid	5.4	5.9	6.25	86	94	15-130	9.44	30
1,1-Biphenyl	0.046	0.055	0.062	74	89	60-130	18.2	30
Bis (2-chloroethoxy) Methane	0.97	1.1	1.25	78	85	60-130	9.46	30
Bis (2-chloroethyl) Ether	0.043	0.046	0.062	69	74	60-130	6.98	30
Bis (2-chloroisopropyl) Ether	0.041	0.045	0.062	66	72	60-130	9.46	30
Bis (2-ethylhexyl) Adipate	1.1	1.1	1.25	90	91	40-130	1.20	30
Bis (2-ethylhexyl) Phthalate	0.051	0.052	0.062	82	84	60-130	1.64	30
4-Bromophenyl Phenyl Ether	0.96	1.1	1.25	77	85	60-130	9.91	30
Butylbenzyl Phthalate	0.057	0.059	0.062	91	95	60-130	3.88	30
4-Chloro-3-methylphenol	0.96	1.1	1.25	77	86	60-130	10.5	30
4-Chloroaniline	0.036	0.039	0.062	57	62	40-130	7.26	30
2-Chloronaphthalene	0.99	1.1	1.25	79	87	60-130	9.58	30
2-Chlorophenol	0.047	0.051	0.062	75	82	60-130	8.88	30
4-Chlorophenyl Phenyl Ether	0.86	1.1	1.25	69	86	60-130	21.3	30
Chrysene	0.044	0.050	0.062	71	81	60-130	13.4	30
Dibenzo (a,h) anthracene	0.040	0.050	0.062	65	79	60-130	20.3	30
Dibenzofuran	0.043	0.054	0.062	70	86	60-130	21.3	30
Di-n-butyl Phthalate	0.047	0.051	0.062	75	81	60-130	7.45	30
1,2-Dichlorobenzene	0.90	0.97	1.25	72	78	60-130	7.62	30
1,3-Dichlorobenzene	0.90	0.96	1.25	72	77	60-130	7.08	30
1,4-Dichlorobenzene	0.94	1.0	1.25	75	81	60-130	7.20	30
3,3-Dichlorobenzidine	0.042	0.047	0.062	67	75	40-130	12.0	30
2,4-Dichlorophenol	0.050	0.055	0.062	80	88	60-130	9.65	30
Diethyl Phthalate	0.043	0.053	0.062	68	85	60-130	21.0	30
2,4-Dimethylphenol	1.1	1.2	1.25	85	94	60-130	9.88	30
Dimethyl Phthalate	0.043	0.052	0.062	69	84	60-130	19.5	30
4,6-Dinitro-2-methylphenol	4.5	4.8	6.25	71	76	30-130	6.69	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300844
Date Analyzed:	08/29/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC47	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300844

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
2,4-Dinitrophenol	0.75	0.81	1.25	60	65	15-130	6.79	30
2,4-Dinitrotoluene	0.044	0.055	0.062	71	89	60-130	22.4	30
2,6-Dichlorophenol	0.050	0.054	0.062	79	86	60-130	8.13	30
2,6-Dinitrotoluene	0.043	0.051	0.062	69	82	60-130	17.1	30
Di-n-octyl Phthalate	1.1	1.2	1.25	90	95	60-130	4.68	30
1,2-Diphenylhydrazine	0.96	1.1	1.25	77	84	60-130	9.01	30
Fluoranthene	0.041	0.049	0.062	66	79	60-130	17.9	30
Fluorene	0.045	0.056	0.062	71	89	60-130	22.3	30
Hexachlorobenzene	0.044	0.049	0.062	70	78	60-130	10.7	30
Hexachlorobutadiene	0.049	0.053	0.062	79	85	60-130	7.10	30
Hexachlorocyclopentadiene	4.5	5.2	6.25	72	83	40-130	13.5	30
Hexachloroethane	0.044	0.047	0.062	70	75	60-130	6.93	30
Indeno (1,2,3-cd) pyrene	0.043	0.048	0.062	68	76	60-130	11.2	30
Isophorone	0.92	0.99	1.25	73	80	60-130	8.19	30
1-Methylnaphthalene	0.047	0.052	0.062	76	83	60-130	9.26	30
2-Methylnaphthalene	0.047	0.052	0.062	75	83	60-130	9.36	30
2-Methylphenol (o-Cresol)	0.95	1.1	1.25	76	84	60-130	10.2	30
3 & 4-Methylphenol (m,p-Cresol)	0.95	1.1	1.25	76	85	60-130	11.9	30
Naphthalene	0.047	0.052	0.062	76	83	60-130	8.72	30
2-Nitroaniline	4.4	5.5	6.25	71	88	60-130	21.8	30
3-Nitroaniline	4.0	4.5	6.25	64	72	30-130	12.5	30
4-Nitroaniline	4.1	5.2	6.25	65	84	60-130	25.1	30
Nitrobenzene	1.0	1.1	1.25	83	91	60-130	9.65	30
2-Nitrophenol	5.6	6.2	6.25	89	98	60-130	10.1	30
4-Nitrophenol	3.7	5.0	6.25	60	80	60-130	28.7	30
N-Nitrosodimethylamine	4.2	4.6	6.25	67	73	60-130	8.45	30
N-Nitrosodi-n-propylamine	0.81	0.88	1.25	64	70	60-130	8.90	30
N-Nitrosodiphenylamine	0.96	1.1	1.25	77	85	60-130	10.9	30
Pentachlorophenol	0.23	0.26	0.31	75	83	40-130	10.7	30
Phenanthrene	0.044	0.050	0.062	70	80	60-130	13.5	30
Phenol	0.19	0.21	0.25	76	84	60-130	9.97	30
Pyrene	0.053	0.056	0.062	84	89	60-130	5.89	30
Pyridine	0.71	0.75	1.25	56	60	30-130	6.34	30
2,3,4,6-Tetrachlorophenol	0.92	1.2	1.25	74	92	60-130	22.4	30
1,2,4-Trichlorobenzene	1.0	1.1	1.25	80	87	60-130	8.42	30
2,4,5-Trichlorophenol	0.044	0.055	0.062	70	88	60-130	22.6	30
2,4,6-Trichlorophenol	0.048	0.056	0.062	76	90	60-130	16.8	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300844
Date Analyzed:	08/29/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC47	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300844

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	1.1	1.2	1.25	86	96	60-130	10.9	30
Phenol-d5	1.0	1.1	1.25	83	92	60-130	9.86	30
Nitrobenzene-d5	1.1	1.2	1.25	87	94	60-130	7.86	30
2-Fluorobiphenyl	0.95	1.2	1.25	76	93	60-130	20.1	30
2,4,6-Tribromophenol	1.1	1.2	1.25	86	96	50-130	11.2	30
4-Terphenyl-d14	1.1	1.1	1.25	86	92	50-130	6.10	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/03/2024	**BatchID:**	301022
Date Analyzed:	09/03/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC17	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301022

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acenaphthene	ND	0.00044	0.0013	-	-	-
Acenaphthylene	ND	0.00023	0.0013	-	-	-
Acetochlor	ND	0.11	0.25	-	-	-
Anthracene	ND	0.00060	0.0013	-	-	-
Benzidine	ND	0.40	1.2	-	-	-
Benzo (a) anthracene	ND	0.0030	0.012	-	-	-
Benzo (a) pyrene	ND	0.00078	0.0013	-	-	-
Benzo (b) fluoranthene	ND	0.0011	0.0025	-	-	-
Benzo (g,h,i) perylene	ND	0.00086	0.0025	-	-	-
Benzo (k) fluoranthene	ND	0.0012	0.0025	-	-	-
Benzyl Alcohol	ND	0.73	1.2	-	-	-
Benzoic Acid	ND	0.62	1.2	-	-	-
1,1-Biphenyl	ND	0.0054	0.012	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.13	0.25	-	-	-
Bis (2-chloroethyl) Ether	ND	0.00033	0.0013	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0012	0.0025	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.18	0.25	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.0079	0.062	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.12	0.25	-	-	-
Butylbenzyl Phthalate	ND	0.0057	0.062	-	-	-
4-Chloro-3-methylphenol	ND	0.13	0.25	-	-	-
4-Chloroaniline	ND	0.00099	0.0013	-	-	-
2-Chloronaphthalene	ND	0.12	0.25	-	-	-
2-Chlorophenol	ND	0.0061	0.012	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.12	0.25	-	-	-
Chrysene	ND	0.00073	0.0013	-	-	-
Dibenzo (a,h) anthracene	ND	0.0013	0.0025	-	-	-
Dibenzofuran	ND	0.00032	0.0013	-	-	-
Di-n-butyl Phthalate	ND	0.0070	0.062	-	-	-
1,2-Dichlorobenzene	ND	0.14	0.25	-	-	-
1,3-Dichlorobenzene	ND	0.13	0.25	-	-	-
1,4-Dichlorobenzene	ND	0.12	0.25	-	-	-
3,3-Dichlorobenzidine	ND	0.00089	0.0013	-	-	-
2,4-Dichlorophenol	ND	0.0012	0.0025	-	-	-
Diethyl Phthalate	ND	0.0053	0.012	-	-	-
2,4-Dimethylphenol	ND	0.11	0.25	-	-	-
Dimethyl Phthalate	ND	0.0010	0.0025	-	-	-
4,6-Dinitro-2-methylphenol	ND	0.55	1.2	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/03/2024	**BatchID:**	301022
Date Analyzed:	09/03/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC17	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301022

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
2,4-Dinitrophenol	ND	0.11	0.25	-	-	-
2,4-Dinitrotoluene	ND	0.00041	0.012	-	-	-
2,6-Dichlorophenol	ND	0.00095	0.012	-	-	-
2,6-Dinitrotoluene	ND	0.0078	0.012	-	-	-
Di-n-octyl Phthalate	ND	0.31	0.62	-	-	-
1,2-Diphenylhydrazine	ND	0.11	0.25	-	-	-
Fluoranthene	ND	0.00073	0.0025	-	-	-
Fluorene	ND	0.00078	0.0025	-	-	-
Hexachlorobenzene	ND	0.00038	0.0013	-	-	-
Hexachlorobutadiene	ND	0.00028	0.0013	-	-	-
Hexachlorocyclopentadiene	ND	0.66	1.2	-	-	-
Hexachloroethane	ND	0.00062	0.0025	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0014	0.0025	-	-	-
Isophorone	ND	0.055	0.25	-	-	-
1-Methylnaphthalene	ND	0.00035	0.0013	-	-	-
2-Methylnaphthalene	ND	0.00044	0.0013	-	-	-
2-Methylphenol (o-Cresol)	ND	0.15	0.25	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.14	0.25	-	-	-
Naphthalene	ND	0.00042	0.0025	-	-	-
2-Nitroaniline	ND	0.59	1.2	-	-	-
3-Nitroaniline	ND	0.73	1.2	-	-	-
4-Nitroaniline	ND	0.64	1.2	-	-	-
Nitrobenzene	ND	0.14	0.25	-	-	-
2-Nitrophenol	ND	0.63	1.2	-	-	-
4-Nitrophenol	ND	0.70	1.2	-	-	-
N-Nitrosodimethylamine	ND	0.61	1.2	-	-	-
N-Nitrosodi-n-propylamine	ND	0.14	0.25	-	-	-
N-Nitrosodiphenylamine	ND	0.11	0.25	-	-	-
Pentachlorophenol	ND	0.032	0.062	-	-	-
Phenanthrene	ND	0.0010	0.0013	-	-	-
Phenol	ND	0.0032	0.010	-	-	-
Pyrene	ND	0.00065	0.0013	-	-	-
Pyridine	ND	0.094	0.25	-	-	-
2,3,4,6-Tetrachlorophenol	ND	0.15	0.25	-	-	-
1,2,4-Trichlorobenzene	ND	0.13	0.25	-	-	-
2,4,5-Trichlorophenol	ND	0.00067	0.0025	-	-	-
2,4,6-Trichlorophenol	ND	0.00062	0.0025	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/03/2024	**BatchID:**	301022
Date Analyzed:	09/03/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC17	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301022

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	1.1			1.25	92	60-130
Phenol-d5	1.0			1.25	83	60-130
Nitrobenzene-d5	1.0			1.25	83	60-130
2-Fluorobiphenyl	1.1			1.25	86	60-130
2,4,6-Tribromophenol	0.81			1.25	65	50-130
4-Terphenyl-d14	1.2			1.25	92	50-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/03/2024	**BatchID:**	301022
Date Analyzed:	09/03/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC17	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301022

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acenaphthene	0.060	0.058	0.062	96	93	60-130	2.53	30
Acenaphthylene	0.057	0.056	0.062	91	90	60-130	1.82	30
Acetochlor	1.0	0.97	1.25	81	78	60-130	4.29	30
Anthracene	0.060	0.058	0.062	96	93	60-130	2.65	30
Benzidine	2.3	2.2	6.25	37	35	30-130	3.59	30
Benzo (a) anthracene	0.067	0.065	0.062	107	104	60-130	2.29	30
Benzo (a) pyrene	0.069	0.069	0.062	111	110	60-130	1.00	30
Benzo (b) fluoranthene	0.070	0.070	0.062	113	112	40-130	0.154	30
Benzo (g,h,i) perylene	0.071	0.070	0.062	113	112	60-130	0.813	30
Benzo (k) fluoranthene	0.073	0.072	0.062	117	115	60-130	1.39	30
Benzyl Alcohol	4.6	4.4	6.25	73	70	60-130	3.76	30
Benzoic Acid	6.4	6.3	6.25	102	101	15-130	0.885	30
1,1-Biphenyl	0.064	0.064	0.062	103	102	60-130	0.746	30
Bis (2-chloroethoxy) Methane	1.2	1.1	1.25	94	89	60-130	5.42	30
Bis (2-chloroethyl) Ether	0.051	0.051	0.062	82	82	60-130	0.589	30
Bis (2-chloroisopropyl) Ether	0.057	0.057	0.062	91	91	60-130	0.631	30
Bis (2-ethylhexyl) Adipate	1.2	1.1	1.25	95	91	40-130	4.54	30
Bis (2-ethylhexyl) Phthalate	0.050	0.052	0.062	81	83	60-130	2.54	30
4-Bromophenyl Phenyl Ether	1.2	1.2	1.25	94	93	60-130	1.77	30
Butylbenzyl Phthalate	0.054	0.054	0.062	86	86	60-130	0.0509	30
4-Chloro-3-methylphenol	1.1	0.99	1.25	88	79	60-130	10.1	30
4-Chloroaniline	0.039	0.038	0.062	63	60	40-130	4.29	30
2-Chloronaphthalene	1.2	1.2	1.25	93	93	60-130	0.695	30
2-Chlorophenol	0.055	0.056	0.062	88	89	60-130	1.53	30
4-Chlorophenyl Phenyl Ether	1.2	1.1	1.25	94	91	60-130	2.83	30
Chrysene	0.068	0.066	0.062	109	105	60-130	3.79	30
Dibenzo (a,h) anthracene	0.072	0.071	0.062	115	113	60-130	1.50	30
Dibenzofuran	0.061	0.060	0.062	98	97	60-130	1.79	30
Di-n-butyl Phthalate	0.053	0.053	0.062	84	85	60-130	0.292	30
1,2-Dichlorobenzene	1.1	1.1	1.25	85	87	60-130	2.05	30
1,3-Dichlorobenzene	1.1	1.1	1.25	85	84	60-130	0.485	30
1,4-Dichlorobenzene	1.1	1.1	1.25	86	86	60-130	0.436	30
3,3-Dichlorobenzidine	0.040	0.040	0.062	64	64	40-130	0.747	30
2,4-Dichlorophenol	0.060	0.057	0.062	95	92	60-130	3.78	30
Diethyl Phthalate	0.055	0.055	0.062	88	88	60-130	0.764	30
2,4-Dimethylphenol	1.1	1.1	1.25	91	88	60-130	3.47	30
Dimethyl Phthalate	0.058	0.057	0.062	93	92	60-130	0.795	30
4,6-Dinitro-2-methylphenol	7.6	7.7	6.25	122	122	30-130	0.401	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/03/2024	**BatchID:**	301022
Date Analyzed:	09/03/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC17	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301022

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
2,4-Dinitrophenol	1.3	1.3	1.25	103	107	15-130	4.05	30
2,4-Dinitrotoluene	0.064	0.064	0.062	103	102	60-130	1.09	30
2,6-Dichlorophenol	0.058	0.056	0.062	92	90	60-130	2.41	30
2,6-Dinitrotoluene	0.062	0.062	0.062	100	99	60-130	0.735	30
Di-n-octyl Phthalate	1.2	1.2	1.25	97	98	60-130	1.15	30
1,2-Diphenylhydrazine	1.1	1.1	1.25	85	85	60-130	0.188	30
Fluoranthene	0.060	0.060	0.062	95	96	60-130	0.816	30
Fluorene	0.073	0.072	0.062	117	115	60-130	1.40	30
Hexachlorobenzene	0.060	0.060	0.062	96	97	60-130	0.225	30
Hexachlorobutadiene	0.061	0.059	0.062	97	95	60-130	2.61	30
Hexachlorocyclopentadiene	5.1	5.2	6.25	82	84	40-130	2.28	30
Hexachloroethane	0.051	0.053	0.062	82	84	60-130	3.46	30
Indeno (1,2,3-cd) pyrene	0.070	0.069	0.062	112	111	60-130	0.668	30
Isophorone	0.98	0.95	1.25	78	76	60-130	2.65	30
1-Methylnaphthalene	0.062	0.060	0.062	99	96	60-130	3.59	30
2-Methylnaphthalene	0.065	0.064	0.062	104	102	60-130	1.48	30
2-Methylphenol (o-Cresol)	1.1	1.1	1.25	89	88	60-130	1.74	30
3 & 4-Methylphenol (m,p-Cresol)	1.1	1.1	1.25	85	87	60-130	1.73	30
Naphthalene	0.061	0.060	0.062	97	95	60-130	2.12	30
2-Nitroaniline	5.8	5.7	6.25	93	91	60-130	2.97	30
3-Nitroaniline	5.5	5.1	6.25	87	82	30-130	6.31	30
4-Nitroaniline	5.3	5.2	6.25	86	84	60-130	2.43	30
Nitrobenzene	1.2	1.1	1.25	95	91	60-130	3.79	30
2-Nitrophenol	6.6	6.4	6.25	106	103	60-130	2.48	30
4-Nitrophenol	5.3	5.3	6.25	85	84	60-130	1.00	30
N-Nitrosodimethylamine	5.0	5.0	6.25	80	80	60-130	0.758	30
N-Nitrosodi-n-propylamine	0.99	0.93	1.25	79	75	60-130	6.28	30
N-Nitrosodiphenylamine	1.1	1.1	1.25	90	89	60-130	1.58	30
Pentachlorophenol	0.38	0.38	0.31	121	122	40-130	0.961	30
Phenanthrene	0.061	0.060	0.062	98	96	60-130	2.09	30
Phenol	0.22	0.22	0.25	89	87	60-130	1.44	30
Pyrene	0.070	0.069	0.062	113	110	60-130	2.43	30
Pyridine	0.72	0.71	1.25	57	57	30-130	1.03	30
2,3,4,6-Tetrachlorophenol	1.3	1.3	1.25	105	101	60-130	4.41	30
1,2,4-Trichlorobenzene	1.2	1.1	1.25	95	92	60-130	3.67	30
2,4,5-Trichlorophenol	0.064	0.065	0.062	102	104	60-130	1.96	30
2,4,6-Trichlorophenol	0.055	0.054	0.062	89	87	60-130	2.32	30

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/03/2024	**BatchID:**	301022
Date Analyzed:	09/03/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC17	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301022

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	1.1	1.1	1.25	91	87	60-130	4.58	30
Phenol-d5	1.1	1.0	1.25	85	80	60-130	6.32	30
Nitrobenzene-d5	1.1	1.1	1.25	86	85	60-130	1.79	30
2-Fluorobiphenyl	1.2	1.1	1.25	93	91	60-130	2.54	30
2,4,6-Tribromophenol	1.1	1.0	1.25	85	81	50-130	3.93	30
4-Terphenyl-d14	1.3	1.2	1.25	102	98	50-130	3.90	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/10/2024	**BatchID:**	301529
Date Analyzed:	09/11/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC47	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301529

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acenaphthene	ND	0.00044	0.0013	-	-	-
Acenaphthylene	ND	0.00023	0.0013	-	-	-
Acetochlor	ND	0.11	0.25	-	-	-
Anthracene	ND	0.00060	0.0013	-	-	-
Benzidine	ND	0.40	1.2	-	-	-
Benzo (a) anthracene	ND	0.0030	0.012	-	-	-
Benzo (a) pyrene	ND	0.00078	0.0013	-	-	-
Benzo (b) fluoranthene	ND	0.0011	0.0025	-	-	-
Benzo (g,h,i) perylene	ND	0.00086	0.0025	-	-	-
Benzo (k) fluoranthene	ND	0.0012	0.0025	-	-	-
Benzyl Alcohol	ND	0.73	1.2	-	-	-
Benzoic Acid	ND	0.62	1.2	-	-	-
1,1-Biphenyl	ND	0.0054	0.012	-	-	-
Bis (2-chloroethoxy) Methane	ND	0.13	0.25	-	-	-
Bis (2-chloroethyl) Ether	ND	0.00033	0.0013	-	-	-
Bis (2-chloroisopropyl) Ether	ND	0.0012	0.0025	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.18	0.25	-	-	-
Bis (2-ethylhexyl) Phthalate	0.0099,J	0.0079	0.062	-	-	-
4-Bromophenyl Phenyl Ether	ND	0.12	0.25	-	-	-
Butylbenzyl Phthalate	ND	0.0057	0.062	-	-	-
4-Chloro-3-methylphenol	ND	0.13	0.25	-	-	-
4-Chloroaniline	ND	0.00099	0.0013	-	-	-
2-Chloronaphthalene	ND	0.12	0.25	-	-	-
2-Chlorophenol	ND	0.0061	0.012	-	-	-
4-Chlorophenyl Phenyl Ether	ND	0.12	0.25	-	-	-
Chrysene	ND	0.00073	0.0013	-	-	-
Dibenzo (a,h) anthracene	ND	0.0013	0.0025	-	-	-
Dibenzofuran	ND	0.00032	0.0013	-	-	-
Di-n-butyl Phthalate	ND	0.0070	0.062	-	-	-
1,2-Dichlorobenzene	ND	0.14	0.25	-	-	-
1,3-Dichlorobenzene	ND	0.13	0.25	-	-	-
1,4-Dichlorobenzene	ND	0.12	0.25	-	-	-
3,3-Dichlorobenzidine	ND	0.00089	0.0013	-	-	-
2,4-Dichlorophenol	ND	0.0012	0.0025	-	-	-
Diethyl Phthalate	ND	0.0053	0.012	-	-	-
2,4-Dimethylphenol	ND	0.11	0.25	-	-	-
Dimethyl Phthalate	ND	0.0010	0.0025	-	-	-
4,6-Dinitro-2-methylphenol	ND	0.55	1.2	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/10/2024	**BatchID:**	301529
Date Analyzed:	09/11/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC47	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301529

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
2,4-Dinitrophenol	ND	0.11	0.25	-	-	-
2,4-Dinitrotoluene	ND	0.00041	0.012	-	-	-
2,6-Dichlorophenol	ND	0.00095	0.012	-	-	-
2,6-Dinitrotoluene	ND	0.0078	0.012	-	-	-
Di-n-octyl Phthalate	ND	0.31	0.62	-	-	-
1,2-Diphenylhydrazine	ND	0.11	0.25	-	-	-
Fluoranthene	ND	0.00073	0.0025	-	-	-
Fluorene	ND	0.00078	0.0025	-	-	-
Hexachlorobenzene	ND	0.00038	0.0013	-	-	-
Hexachlorobutadiene	ND	0.00028	0.0013	-	-	-
Hexachlorocyclopentadiene	ND	0.66	1.2	-	-	-
Hexachloroethane	ND	0.00062	0.0025	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0014	0.0025	-	-	-
Isophorone	ND	0.055	0.25	-	-	-
1-Methylnaphthalene	ND	0.00035	0.0013	-	-	-
2-Methylnaphthalene	ND	0.00044	0.0013	-	-	-
2-Methylphenol (o-Cresol)	ND	0.15	0.25	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	0.14	0.25	-	-	-
Naphthalene	ND	0.00042	0.0025	-	-	-
2-Nitroaniline	ND	0.59	1.2	-	-	-
3-Nitroaniline	ND	0.73	1.2	-	-	-
4-Nitroaniline	ND	0.64	1.2	-	-	-
Nitrobenzene	ND	0.14	0.25	-	-	-
2-Nitrophenol	ND	0.63	1.2	-	-	-
4-Nitrophenol	ND	0.70	1.2	-	-	-
N-Nitrosodimethylamine	ND	0.61	1.2	-	-	-
N-Nitrosodi-n-propylamine	ND	0.14	0.25	-	-	-
N-Nitrosodiphenylamine	ND	0.11	0.25	-	-	-
Pentachlorophenol	ND	0.032	0.062	-	-	-
Phenanthrene	ND	0.0010	0.0013	-	-	-
Phenol	ND	0.0032	0.010	-	-	-
Pyrene	ND	0.00065	0.0013	-	-	-
Pyridine	ND	0.094	0.25	-	-	-
2,3,4,6-Tetrachlorophenol	ND	0.15	0.25	-	-	-
1,2,4-Trichlorobenzene	ND	0.13	0.25	-	-	-
2,4,5-Trichlorophenol	ND	0.00067	0.0025	-	-	-
2,4,6-Trichlorophenol	ND	0.00062	0.0025	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/10/2024	**BatchID:**	301529
Date Analyzed:	09/11/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC47	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301529

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
2-Fluorophenol	1.3			1.25	101	60-130
Phenol-d5	1.2			1.25	93	60-130
Nitrobenzene-d5	1.2			1.25	93	60-130
2-Fluorobiphenyl	1.1			1.25	90	60-130
2,4,6-Tribromophenol	0.64			1.25	51	50-130
4-Terphenyl-d14	1.1			1.25	91	50-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/10/2024	**BatchID:**	301529
Date Analyzed:	09/11/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC47	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301529

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acenaphthene	0.044	0.049	0.062	70	78	60-130	11.9	30
Acenaphthylene	0.043	0.049	0.062	70	78	60-130	11.5	30
Acetochlor	0.99	1.0	1.25	79	81	60-130	2.69	30
Anthracene	0.046	0.047	0.062	73	75	60-130	2.29	30
Benzidine	1.4	1.4	6.25	22,F5	23,F5	30-130	5.40	30
Benzo (a) anthracene	0.048	0.048	0.062	77	77	60-130	0.232	30
Benzo (a) pyrene	0.051	0.053	0.062	82	85	60-130	3.96	30
Benzo (b) fluoranthene	0.046	0.049	0.062	73	78	40-130	7.27	30
Benzo (g,h,i) perylene	0.045	0.047	0.062	72	75	60-130	4.34	30
Benzo (k) fluoranthene	0.051	0.054	0.062	82	87	60-130	5.45	30
Benzyl Alcohol	4.3	4.4	6.25	68	70	60-130	2.59	30
Benzoic Acid	6.2	6.1	6.25	98	98	15-130	0.147	30
1,1-Biphenyl	0.046	0.052	0.062	74	83	60-130	12.5	30
Bis (2-chloroethoxy) Methane	1.0	1.0	1.25	82	84	60-130	1.73	30
Bis (2-chloroethyl) Ether	0.044	0.047	0.062	71	75	60-130	5.53	30
Bis (2-chloroisopropyl) Ether	0.042	0.043	0.062	67	69	60-130	2.93	30
Bis (2-ethylhexyl) Adipate	0.98	1.0	1.25	79	83	40-130	5.29	30
Bis (2-ethylhexyl) Phthalate	0.046	0.047	0.062	73	76	60-130	3.95	30
4-Bromophenyl Phenyl Ether	1.0	1.0	1.25	80	83	60-130	4.28	30
Butylbenzyl Phthalate	0.055	0.058	0.062	88	93	60-130	5.52	30
4-Chloro-3-methylphenol	1.1	1.1	1.25	86	88	60-130	2.85	30
4-Chloroaniline	0.039	0.038	0.062	62	61	40-130	2.65	30
2-Chloronaphthalene	0.97	1.1	1.25	77	90	60-130	15.3	30
2-Chlorophenol	0.052	0.053	0.062	83	86	60-130	3.18	30
4-Chlorophenyl Phenyl Ether	0.94	1.1	1.25	75	85	60-130	12.1	30
Chrysene	0.048	0.050	0.062	77	79	60-130	3.48	30
Dibenzo (a,h) anthracene	0.046	0.047	0.062	74	76	60-130	2.16	30
Dibenzofuran	0.047	0.053	0.062	75	85	60-130	12.2	30
Di-n-butyl Phthalate	0.047	0.048	0.062	75	76	60-130	1.57	30
1,2-Dichlorobenzene	1.0	1.0	1.25	80	81	60-130	0.408	30
1,3-Dichlorobenzene	0.96	0.98	1.25	76	79	60-130	2.72	30
1,4-Dichlorobenzene	1.0	1.1	1.25	81	84	60-130	3.63	30
3,3-Dichlorobenzidine	0.049	0.048	0.062	78	76	40-130	1.91	30
2,4-Dichlorophenol	0.057	0.058	0.062	91	92	60-130	1.98	30
Diethyl Phthalate	0.049	0.055	0.062	78	88	60-130	11.8	30
2,4-Dimethylphenol	1.1	1.2	1.25	92	93	60-130	0.692	30
Dimethyl Phthalate	0.047	0.053	0.062	75	85	60-130	12.6	30
4,6-Dinitro-2-methylphenol	5.0	5.1	6.25	80	81	30-130	2.41	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/10/2024	**BatchID:**	301529
Date Analyzed:	09/11/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC47	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301529

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
2,4-Dinitrophenol	0.82	0.88	1.25	66	71	15-130	7.17	30
2,4-Dinitrotoluene	0.053	0.059	0.062	84	94	60-130	11.2	30
2,6-Dichlorophenol	0.055	0.056	0.062	87	90	60-130	2.48	30
2,6-Dinitrotoluene	0.048	0.054	0.062	77	86	60-130	10.3	30
Di-n-octyl Phthalate	1.0	1.1	1.25	83	88	60-130	5.64	30
1,2-Diphenylhydrazine	0.96	0.99	1.25	77	79	60-130	2.44	30
Fluoranthene	0.046	0.046	0.062	74	74	60-130	0.133	30
Fluorene	0.048	0.055	0.062	76	87	60-130	13.7	30
Hexachlorobenzene	0.046	0.047	0.062	74	76	60-130	2.74	30
Hexachlorobutadiene	0.052	0.053	0.062	83	85	60-130	2.12	30
Hexachlorocyclopentadiene	3.8	4.5	6.25	61	72	40-130	15.6	30
Hexachloroethane	0.047	0.049	0.062	75	78	60-130	3.76	30
Indeno (1,2,3-cd) pyrene	0.046	0.048	0.062	73	76	60-130	4.23	30
Isophorone	1.0	1.0	1.25	81	83	60-130	2.15	30
1-Methylnaphthalene	0.053	0.054	0.062	84	86	60-130	2.00	30
2-Methylnaphthalene	0.051	0.052	0.062	82	83	60-130	1.14	30
2-Methylphenol (o-Cresol)	1.2	1.1	1.25	96	90	60-130	6.11	30
3 & 4-Methylphenol (m,p-Cresol)	1.1	1.2	1.25	88	93	60-130	5.12	30
Naphthalene	0.048	0.049	0.062	77	78	60-130	1.96	30
2-Nitroaniline	5.0	5.7	6.25	80	90	60-130	12.9	30
3-Nitroaniline	3.9	3.9	6.25	63	62	30-130	1.04	30
4-Nitroaniline	4.9	5.4	6.25	78	87	60-130	10.0	30
Nitrobenzene	1.1	1.1	1.25	88	89	60-130	0.849	30
2-Nitrophenol	6.1	6.2	6.25	98	99	60-130	1.45	30
4-Nitrophenol	4.1	4.5	6.25	65	72	60-130	9.11	30
N-Nitrosodimethylamine	4.5	4.6	6.25	72	73	60-130	2.25	30
N-Nitrosodi-n-propylamine	0.89	0.90	1.25	71	72	60-130	0.814	30
N-Nitrosodiphenylamine	1.0	1.0	1.25	80	81	60-130	1.25	30
Pentachlorophenol	0.24	0.24	0.31	78	76	40-130	2.20	30
Phenanthrene	0.045	0.046	0.062	72	73	60-130	1.62	30
Phenol	0.22	0.23	0.25	89	92	60-130	2.48	30
Pyrene	0.047	0.050	0.062	76	80	60-130	6.15	30
Pyridine	0.65	0.80	1.25	52	64	30-130	20.8	30
2,3,4,6-Tetrachlorophenol	1.1	1.2	1.25	87	96	60-130	9.81	30
1,2,4-Trichlorobenzene	1.1	1.1	1.25	86	86	60-130	0.138	30
2,4,5-Trichlorophenol	0.049	0.055	0.062	78	87	60-130	10.9	30
2,4,6-Trichlorophenol	0.048	0.052	0.062	76	84	60-130	9.84	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/10/2024	**BatchID:**	301529
Date Analyzed:	09/11/2024	**Extraction Method:**	SW3550B/3640A
Instrument:	GC47	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301529

QC Summary Report for SW8270E (Low Level) w/ GPC

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
2-Fluorophenol	1.2	1.2	1.25	97	99	60-130	1.82	30
Phenol-d5	1.2	1.2	1.25	95	97	60-130	2.14	30
Nitrobenzene-d5	1.2	1.2	1.25	94	94	60-130	0.516	30
2-Fluorobiphenyl	1.0	1.1	1.25	81	90	60-130	10.8	30
2,4,6-Tribromophenol	1.1	1.0	1.25	86	84	50-130	2.26	30
4-Terphenyl-d14	1.0	1.1	1.25	83	89	50-130	6.95	30

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300748
Date Analyzed:	08/29/2024	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300748

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.10	0.50	-	-	-
Arsenic	ND	0.084	0.50	-	-	-
Barium	ND	0.73	5.0	-	-	-
Beryllium	ND	0.086	0.50	-	-	-
Cadmium	ND	0.080	0.50	-	-	-
Chromium	ND	0.17	0.50	-	-	-
Cobalt	ND	0.063	0.50	-	-	-
Copper	ND	0.19	0.50	-	-	-
Lead	ND	0.089	0.50	-	-	-
Mercury	0.049,J	0.039	0.050	-	-	-
Molybdenum	0.098,J	0.093	0.50	-	-	-
Nickel	ND	0.28	0.50	-	-	-
Selenium	ND	0.21	0.50	-	-	-
Silver	ND	0.084	0.50	-	-	-
Thallium	ND	0.073	0.50	-	-	-
Vanadium	ND	0.097	0.50	-	-	-
Zinc	ND	1.8	5.0	-	-	-
Surrogate Recovery						
Terbium	540			500	108	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300748
Date Analyzed:	08/29/2024	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300748

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	52	51	50	104	102	75-125	1.40	20
Arsenic	52	51	50	104	103	75-125	1.80	20
Barium	510	500	500	103	101	75-125	1.96	20
Beryllium	52	51	50	105	102	75-125	2.87	20
Cadmium	52	51	50	104	102	75-125	1.76	20
Chromium	51	51	50	103	101	75-125	1.50	20
Cobalt	52	49	50	104	99	75-125	4.57	20
Copper	54	52	50	107	104	75-125	2.97	20
Lead	50	49	50	100	98	75-125	2.06	20
Mercury	1.4	1.3	1.25	108	104	75-125	4.07	20
Molybdenum	52	51	50	103	101	75-125	2.08	20
Nickel	53	52	50	106	104	75-125	1.79	20
Selenium	53	52	50	106	104	75-125	1.77	20
Silver	52	50	50	104	101	75-125	3.50	20
Thallium	51	49	50	101	98	75-125	3.43	20
Vanadium	51	50	50	103	100	75-125	2.43	20
Zinc	530	510	500	106	102	75-125	3.43	20
Surrogate Recovery								
Terbium	530	510	500	106	102	70-130	3.12	20

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300758
Date Analyzed:	08/29/2024	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300758 2408K98-027AMS/MSD 2408K98-027APDS

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.10	0.50	-	-	-
Arsenic	ND	0.084	0.50	-	-	-
Barium	ND	0.73	5.0	-	-	-
Beryllium	ND	0.086	0.50	-	-	-
Cadmium	ND	0.080	0.50	-	-	-
Chromium	ND	0.17	0.50	-	-	-
Cobalt	ND	0.063	0.50	-	-	-
Copper	ND	0.19	0.50	-	-	-
Lead	ND	0.089	0.50	-	-	-
Mercury	ND	0.039	0.050	-	-	-
Molybdenum	ND	0.093	0.50	-	-	-
Nickel	ND	0.28	0.50	-	-	-
Selenium	ND	0.21	0.50	-	-	-
Silver	ND	0.084	0.50	-	-	-
Thallium	ND	0.073	0.50	-	-	-
Vanadium	ND	0.097	0.50	-	-	-
Zinc	ND	1.8	5.0	-	-	-
Surrogate Recovery						
Terbium	550			500	110	70-130

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300758
Date Analyzed:	08/29/2024	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300758 2408K98-027AMS/MSD 2408K98-027APDS

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	52	52	50	104	103	75-125	1.14	20
Arsenic	53	51	50	106	103	75-125	2.83	20
Barium	520	510	500	105	102	75-125	2.35	20
Beryllium	52	52	50	104	104	75-125	0.0577	20
Cadmium	52	50	50	103	100	75-125	2.92	20
Chromium	52	51	50	105	101	75-125	3.35	20
Cobalt	54	53	50	107	106	75-125	1.48	20
Copper	54	52	50	107	104	75-125	2.66	20
Lead	52	51	50	104	102	75-125	1.74	20
Mercury	1.3	1.3	1.25	104	105	75-125	1.31	20
Molybdenum	52	51	50	104	103	75-125	1.25	20
Nickel	52	52	50	104	103	75-125	0.882	20
Selenium	52	52	50	105	103	75-125	1.31	20
Silver	52	51	50	104	102	75-125	1.89	20
Thallium	52	51	50	103	102	75-125	1.08	20
Vanadium	52	51	50	104	101	75-125	2.76	20
Zinc	520	510	500	105	103	75-125	1.79	20
Surrogate Recovery								
Terbium	550	540	500	109	107	70-130	1.56	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	1	52	53	50	1.076	103	103	75-125	0.399	20
Arsenic	1	58	56	50	6.298	104	99	75-125	4.60	20
Barium	1	660	610	500	150.1	103	92	75-125	8.51	20
Beryllium	1	49	49	50	ND	97	96	75-125	0.289	20
Cadmium	1	52	51	50	0.6890	102	102	75-125	0.743	20
Chromium	1	290	230	50	510	F13	F13	75-125	NA	20
Cobalt	1	77	66	50	30.16	94	72,F10	75-125	15.8	20
Copper	1	91	78	50	39.40	103	78	75-125	14.8	20
Lead	1	57	56	50	3.879	105	104	75-125	1.38	20
Mercury	1	1.4	1.4	1.25	0.08400	106	105	75-125	1.00	20
Molybdenum	1	53	53	50	1.365	103	103	75-125	0.0908	20
Nickel	1	500	360	50	500	F13	F13	75-125	NA	20
Selenium	1	50	51	50	ND	100	102	75-125	1.79	20
Silver	1	51	51	50	ND	102	103	75-125	0.741	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300758
Date Analyzed:	08/29/2024	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300758 2408K98-027AMS/MSD 2408K98-027APDS

QC Summary Report for Metals

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Thallium	1	52	53	50	ND	103	106	75-125	2.05	20
Vanadium	1	130	120	50	70.06	126,F10	93	75-125	13.3	20
Zinc	1	570	560	500	63.22	101	100	75-125	1.47	20
Surrogate Recovery										
Terbium	1	540	540	500		108	108	70-130	0.352	20

Analyte	PDS Result	SPK Val	SPKRef Val	PDS %REC	PDS Limits
Cobalt	78	50	30.16	96	75-125

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Antimony	ND<2.5	1.1	18.7	-
Arsenic	6.4	6.3	2.33	-
Barium	150	150	0.830	20
Beryllium	ND<2.5	ND	20.3	-
Cadmium	ND<2.5	0.69	5.95	-
Chromium	530	520	1.58	20
Cobalt	33	30	10.4	20
Copper	41	39	3.95	20
Lead	3.9	3.9	0.670	-
Mercury	ND<0.25	0.084	100	-
Molybdenum	ND<2.5	1.4	14.7	-
Nickel	510	510	1.05	20
Selenium	ND<2.5	ND		-
Silver	ND<2.5	ND		-
Thallium	ND<2.5	ND	100	-
Vanadium	75	70	6.57	20
Zinc	66	63	3.78	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/30/2024	**BatchID:**	300904
Date Analyzed:	09/03/2024	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4, ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300904

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.10	0.50	-	-	-
Arsenic	ND	0.084	0.50	-	-	-
Barium	ND	0.73	5.0	-	-	-
Beryllium	ND	0.086	0.50	-	-	-
Cadmium	ND	0.080	0.50	-	-	-
Chromium	ND	0.17	0.50	-	-	-
Cobalt	ND	0.063	0.50	-	-	-
Copper	ND	0.19	0.50	-	-	-
Lead	ND	0.089	0.50	-	-	-
Mercury	ND	0.039	0.050	-	-	-
Molybdenum	ND	0.093	0.50	-	-	-
Nickel	ND	0.28	0.50	-	-	-
Selenium	ND	0.21	0.50	-	-	-
Silver	ND	0.084	0.50	-	-	-
Thallium	ND	0.073	0.50	-	-	-
Vanadium	ND	0.097	0.50	-	-	-
Zinc	ND	1.8	5.0	-	-	-
Surrogate Recovery						
Terbium	490			500	98	70-130

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/30/2024	**BatchID:**	300904
Date Analyzed:	09/03/2024	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4, ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300904

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	50	50	50	100	100	75-125	0.274	20
Arsenic	49	49	50	99	99	75-125	0.0993	20
Barium	500	500	500	100	100	75-125	0.150	20
Beryllium	49	50	50	98	100	75-125	2.06	20
Cadmium	48	49	50	97	98	75-125	0.968	20
Chromium	49	50	50	99	99	75-125	0.769	20
Cobalt	46	48	50	93	95	75-125	2.73	20
Copper	50	50	50	100	101	75-125	0.499	20
Lead	49	50	50	98	100	75-125	2.23	20
Mercury	1.2	1.3	1.25	99	103	75-125	3.17	20
Molybdenum	48	48	50	97	96	75-125	0.474	20
Nickel	50	51	50	100	102	75-125	1.69	20
Selenium	49	49	50	97	98	75-125	1.06	20
Silver	49	50	50	99	100	75-125	0.641	20
Thallium	50	51	50	100	103	75-125	2.73	20
Vanadium	49	49	50	98	97	75-125	0.835	20
Zinc	500	500	500	99	100	75-125	0.436	20
Surrogate Recovery								
Terbium	490	500	500	98	99	70-130	1.46	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300856
Date Analyzed:	08/29/2024	**Extraction Method:**	ASTM D2216
Instrument:	WetChem	**Analytical Method:**	SW8000
Matrix:	Soil	**Unit:**	wet wt%
Project:	750680202; SLO Courthouse	**Sample ID:**	MB-300856 2408K98-001A

QC Summary Report for Percent Moisture

Analyte	MB Result	MDL	RL			
% Moisture	ND	0.100	0.100	-	-	-

Analyte	SAMP Result	DUP Result	RPD	RPD Limit
% Moisture	14.8	14.3	3.71	15

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/30/2024	**BatchID:**	300946
Date Analyzed:	08/30/2024	**Extraction Method:**	ASTM D2216
Instrument:	WetChem	**Analytical Method:**	SW8000
Matrix:	Soil	**Unit:**	wet wt%
Project:	750680202; SLO Courthouse	**Sample ID:**	MB-300946 2408K98-034A

QC Summary Report for Percent Moisture

Analyte	MB Result	MDL	RL			
% Moisture	ND	0.100	0.100	-	-	-

Analyte	SAMP Result	DUP Result	RPD	RPD Limit
% Moisture	20.6	20.5	0.439	15

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300857
Date Analyzed:	08/29/2024	**Extraction Method:**	SW9045D
Instrument:	WetChem	**Analytical Method:**	SW9045D
Matrix:	Water	**Unit:**	pH units @ 25°C
Project:	750680202; SLO Courthouse	**Sample ID:**	CCV-300857

QC Summary Report for pH

Analyte	CCV Result	CCV Limits
pH	7.02	6.9-7.1

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/03/2024	**BatchID:**	301036
Date Analyzed:	09/03/2024	**Extraction Method:**	SW9045D
Instrument:	WetChem	**Analytical Method:**	SW9045D
Matrix:	Water	**Unit:**	pH units @ 25°C
Project:	750680202; SLO Courthouse	**Sample ID:**	CCV-301036

QC Summary Report for pH

Analyte	CCV Result	CCV Limits
pH	7.02	6.9-7.1

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300759
Date Analyzed:	08/29/2024	**Extraction Method:**	SW3550B
Instrument:	GC11A, GC39B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300759 2408K98-001AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	1.1	2.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	4.3	10	-	-	-
Surrogate Recovery						
C9	26			25	103	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	40	40	40	99	100	70-130	0.576	20
Surrogate Recovery								
C9	24	24	25	97	98	70-130	0.936	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1	41	42	40	ND	101	104	70-130	2.69	20
Surrogate Recovery										
C9	1	24	25	25		97	101	70-130	4.09	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300760
Date Analyzed:	08/29/2024	**Extraction Method:**	SW3550B
Instrument:	GC11A, GC9b	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300760 2408K98-038AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	1.1	2.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	4.3	10	-	-	-
Surrogate Recovery						
C9	27			25	109	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	40	40	40	100	101	70-130	0.830	20
Surrogate Recovery								
C9	24	25	25	98	98	70-130	0.271	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1	47	45	40	ND	113	108	70-130	4.40	20
Surrogate Recovery										
C9	1	24	26	25		96	103	70-130	6.84	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 **ClientCode: TWRF**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Excel

Report to:
Brendan Hayward
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 806-0696 FAX: (415) 955-9041

Email: bhayward@langan.com
cc/3rd Party: tgallagher@langan.com; abrown@langan.c
PO:
Project: 750680202; SLO Courthouse

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: **5 days;**

Date Received: **08/26/2024**
Date Logged: **08/28/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2408K98-001	EB-1-1.0	Soil	8/22/2024 11:59	☐		A	A		A		A	A	A			
2408K98-002	EB-1-3.0	Soil	8/22/2024 12:01	☑												
2408K98-003	EB-1-5.0	Soil	8/22/2024 12:09	☐							A	A	A			
2408K98-004	EB-2-1.0	Soil	8/22/2024 14:31	☑												
2408K98-005	EB-2-3.0	Soil	8/22/2024 14:35	☐		A	A		A		A	A	A			
2408K98-006	EB-2-5.0	Soil	8/22/2024 14:56	☐							A	A	A			
2408K98-007	EB-3-3.0	Soil	8/23/2024 11:58	☑												
2408K98-008	EB-3-5.0	Soil	8/23/2024 12:05	☐		A	A		A		A	A	A			
2408K98-009	EB-3-7.0	Soil	8/23/2024 12:10	☑												
2408K98-010	EB-3-8.5	Soil	8/23/2024 12:30	☐							A	A	A			
2408K98-011	EB-3-1.0	Soil	8/23/2024 11:57	☐							A	A	A			
2408K98-012	EB-4-1.0	Soil	8/23/2024 08:37	☐							A		A			
2408K98-013	EB-4-3.0	Soil	8/23/2024 08:39	☐							A	A	A			
2408K98-014	EB-4-5.0	Soil	8/23/2024 08:40	☑												
2408K98-015	EB-4-7.0	Soil	8/23/2024 08:45	☐		A	A		A		A	A	A			

Test Legend:

1	300_1_W	2	8081pcB_ESL_LL_S	3	8260_S	4	8260_W
5	8270_SCSM_GPC_S	6	AMMONIA_W	7	CAM17MS_TTLC_S	8	CARB435_400
9	G-MBTEX_S	10	G-MBTEX_W	11	METALSMS_DISS	12	METALSMS_TTLC_Sed

Prepared by: Valerie Alfaro

The following SampIDs: 001A, 003A, 005A, 006A, 008A, 010A, 011A, 012A, 013A, 015A, 017A, 020A, 021A, 022A, 024A, 025A, 027A, 029A, 033A, 034A, 038A, 041A, 043A, 046A, 048A, 052A, 054A contain testgroup Multi Range_S.; The following SampIDs: 058A, 059A, 060A contain testgroup Multi Range_W.

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 **ClientCode: TWRF**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☐ Excel

Report to:
Brendan Hayward
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 806-0696 FAX: (415) 955-9041

Email: bhayward@langan.com
cc/3rd Party: tgallagher@langan.com; abrown@langan.c
PO:
Project: 750680202; SLO Courthouse

Bill to:
Accounts Payable
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135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: **5 days;**

Date Received: **08/26/2024**
Date Logged: **08/28/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2408K98-016	EB-4-10.0	Soil	8/23/2024 08:46	☑												
2408K98-017	EB-5-1.0	Soil	8/22/2024 09:38	☐							A	A	A			
2408K98-018	EB-5-3.0	Soil	8/22/2024 09:40	☑												
2408K98-019	EB-5-7.0	Soil	8/22/2024 09:48	☑												
2408K98-020	EB-5-10.0	Soil	8/22/2024 09:53	☐		A	A		A		A	A	A			
2408K98-021	EB-6-1.0	Soil	8/23/2024 07:57	☐		A	A		A		A	A	A			
2408K98-022	EB-6-3.0	Soil	8/23/2024 08:00	☐		A	A		A		A		A			
2408K98-023	EB-6-5.0	Soil	8/23/2024 08:03	☑												
2408K98-024	EB-5-5.0	Soil	8/22/2024 09:44	☐							A		A			
2408K98-025	EB-6-7.0	Soil	8/23/2024 08:05	☐							A	A	A			
2408K98-026	EB-6-10.0	Soil	8/23/2024 08:10	☑												
2408K98-027	EB-7-1.0	Soil	8/23/2024 08:54	☐							A	A	A			
2408K98-028	EB-7-3.0	Soil	8/23/2024 08:55	☑												
2408K98-029	EB-7-5.0	Soil	8/23/2024 08:57	☐		A	A		A		A	A	A			
2408K98-030	EB-7-7.0	Soil	8/23/2024 09:34	☑												

Test Legend:

1	300_1_W	2	8081pcB_ESL_LL_S	3	8260_S	4	8260_W
5	8270_SCSM_GPC_S	6	AMMONIA_W	7	CAM17MS_TTLC_S	8	CARB435_400
9	G-MBTEX_S	10	G-MBTEX_W	11	METALSMS_DISS	12	METALSMS_TTLC_Sed

Prepared by: Valerie Alfaro

The following SampIDs: 001A, 003A, 005A, 006A, 008A, 010A, 011A, 012A, 013A, 015A, 017A, 020A, 021A, 022A, 024A, 025A, 027A, 029A, 033A, 034A, 038A, 041A, 043A, 046A, 048A, 052A, 054A contain testgroup Multi Range_S.; The following SampIDs: 058A, 059A, 060A contain testgroup Multi Range_W.

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2408K98-033	B-6-3	Soil	8/23/2024 10:10	☐							A	A	A			
2408K98-034	B-7-1	Soil	8/22/2024 13:20	☐		A	A		A		A	A	A			
2408K98-035	B-7-3	Soil	8/22/2024 13:26	☑												
2408K98-036	B-7-5	Soil	8/22/2024 13:50	☑												
2408K98-037	B-7-7	Soil	8/22/2024 14:02	☑												
2408K98-038	B-7-10	Soil	8/22/2024 14:20	☐							A	A	A			
2408K98-039	B-7-15	Soil	8/22/2024 14:35	☑												
2408K98-040	B-8-1	Soil	8/22/2024 10:17	☐							A					
2408K98-041	B-8-3	Soil	8/22/2024 10:25	☐		A	A		A		A	A	A			
2408K98-042	B-8-5	Soil	8/22/2024 10:50	☑												
2408K98-043	B-8-7	Soil	8/22/2024 10:56	☐							A	A	A			
2408K98-044	B-8-10	Soil	8/22/2024 11:05	☑												
2408K98-045	B-8-15	Soil	8/22/2024 11:15	☑												

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2408K98-046	B-9-1	Soil	8/23/2024 10:50	☐							A		A			
2408K98-047	B-9-3	Soil	8/23/2024 10:55	☑												
2408K98-048	B-9-5	Soil	8/23/2024 11:10	☐		A	A		A		A	A	A			
2408K98-049	B-9-7	Soil	8/23/2024 11:20	☑												
2408K98-050	B-9-10	Soil	8/23/2024 11:25	☑												
2408K98-051	B-9-15	Soil	8/23/2024 11:35	☑												
2408K98-052	B-10-1	Soil	8/22/2024 16:05	☐		A	A		A		A	A	A			
2408K98-053	B-10-3	Soil	8/22/2024 16:10	☑												
2408K98-054	B-10-5	Soil	8/22/2024 16:15	☐							A		A			
2408K98-055	B-10-7	Soil	8/22/2024 14:30	☑												
2408K98-056	B-10-10	Soil	8/22/2024 16:45	☑												
2408K98-057	B-10-15	Soil	8/23/2024 07:40	☑												
2408K98-058	EB-1-GW	Water	8/22/2024 15:25	☐	G			B		H				A	D	C
2408K98-059	MW-1-GW	Water	8/23/2024 13:24	☐				B						A		
2408K98-060	MW-6-GW	Water	8/23/2024 13:52	☐				B						A		

Test Legend:

1	300_1_W	2	8081pcB_ESL_LL_S	3	8260_S	4	8260_W
5	8270_SCSM_GPC_S	6	AMMONIA_W	7	CAM17MS_TTLC_S	8	CARB435_400
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					13	14	15	16	17	18	19	20	21	22	23	24
2408K98-001	EB-1-1.0	Soil	8/22/2024 11:59	☐	A	A	A				A					
2408K98-002	EB-1-3.0	Soil	8/22/2024 12:01	☑			A		A							
2408K98-003	EB-1-5.0	Soil	8/22/2024 12:09	☐	A		A				A					
2408K98-004	EB-2-1.0	Soil	8/22/2024 14:31	☑			A		A							
2408K98-005	EB-2-3.0	Soil	8/22/2024 14:35	☐	A	A	A				A					
2408K98-006	EB-2-5.0	Soil	8/22/2024 14:56	☐	A		A				A					
2408K98-007	EB-3-3.0	Soil	8/23/2024 11:58	☑			A		A							
2408K98-008	EB-3-5.0	Soil	8/23/2024 12:05	☐	A	A	A				A					
2408K98-009	EB-3-7.0	Soil	8/23/2024 12:10	☑			A		A							
2408K98-010	EB-3-8.5	Soil	8/23/2024 12:30	☐	A		A				A					
2408K98-011	EB-3-1.0	Soil	8/23/2024 11:57	☐	A		A				A					
2408K98-012	EB-4-1.0	Soil	8/23/2024 08:37	☐	A		A				A					
2408K98-013	EB-4-3.0	Soil	8/23/2024 08:39	☐	A		A				A					
2408K98-014	EB-4-5.0	Soil	8/23/2024 08:40	☑			A		A							
2408K98-015	EB-4-7.0	Soil	8/23/2024 08:45	☐	A	A	A				A					

Test Legend:

13	PERmoist_S	14	PH_S	15	PRDisposal Fee	16	PRDISSOLVED
17	PRHOLD	18	TDS_W	19	TPH(DMO)_S	20	TPH(DMO)_W
21	TSS_W	22		23		24	

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2408K98-028	EB-7-3.0	Soil	8/23/2024 08:55	☑			A		A							
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17	PRHOLD	18	TDS_W	19	TPH(DMO)_S	20	TPH(DMO)_W
21	TSS_W	22		23		24	

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2408K98-050	B-9-10	Soil	8/23/2024 11:25	☑			A		A							
2408K98-051	B-9-15	Soil	8/23/2024 11:35	☑			A		A							
2408K98-052	B-10-1	Soil	8/22/2024 16:05	☐	A	A	A				A					
2408K98-053	B-10-3	Soil	8/22/2024 16:10	☑			A		A							
2408K98-054	B-10-5	Soil	8/22/2024 16:15	☐	A		A				A					
2408K98-055	B-10-7	Soil	8/22/2024 14:30	☑			A		A							
2408K98-056	B-10-10	Soil	8/22/2024 16:45	☑			A		A							
2408K98-057	B-10-15	Soil	8/23/2024 07:40	☑			A		A							
2408K98-058	EB-1-GW	Water	8/22/2024 15:25	☐			A	D		E		A	F			
2408K98-059	MW-1-GW	Water	8/23/2024 13:24	☐			A					A				
2408K98-060	MW-6-GW	Water	8/23/2024 13:52	☐			A					A				

Test Legend:

13	PERmoist_S	14	PH_S	15	PRDisposal Fee	16	PRDISSOLVED
17	PRHOLD	18	TDS_W	19	TPH(DMO)_S	20	TPH(DMO)_W
21	TSS_W	22		23		24	

Prepared by: Valerie Alfaro

The following SampIDs: 001A, 003A, 005A, 006A, 008A, 010A, 011A, 012A, 013A, 015A, 017A, 020A, 021A, 022A, 024A, 025A, 027A, 029A, 033A, 034A, 038A, 041A, 043A, 046A, 048A, 052A, 054A contain testgroup Multi Range_S.; The following SampIDs: 058A, 059A, 060A contain testgroup Multi Range_W.

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email: bhayward@langan.com

Project: 750680202; SLO Courthouse
Comments:

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	EB-1-1.0	Soil	SW9045D (pH)	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 11:59	5 days	9/3/2024		☐	☐
			SW 8000 (Percent Moisture)			☐	☐	☑		5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8270E (Low Level SVOCs) with GPC Cleanup			☐	☐	☑		5 days	9/5/2024		☐	☐
			SW8260D (VOCs)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8081B/8082A (OC Pesticides+PCBs) Low Level ESLs			☐	☐	☑		5 days	9/5/2024		☐	☐
003A	EB-1-5.0	Soil	SW 8000 (Percent Moisture)	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 12:09	5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑

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WORK ORDER SUMMARY

Client Name: LANGAN **Project:** 750680202; SLO Courthouse **Work Order:** 2408K98
Client Contact: Brendan Hayward **QC Level:** LEVEL 2
Contact's Email: bhayward@langan.com **Comments:** **Date Logged:** 8/28/2024

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LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
003A	EB-1-5.0	Soil	Asbestos, CARB 435, 400 Point	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 12:09	5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
005A	EB-2-3.0	Soil	SW9045D (pH)	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 14:35	5 days	9/3/2024		☐	☐
			SW 8000 (Percent Moisture)			☐	☐	☑		5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8270E (Low Level SVOCs) with GPC Cleanup			☐	☐	☑		5 days	9/5/2024		☐	☐
			SW8260D (VOCs)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8081B/8082A (OC Pesticides+PCBs) Low Level ESLs			☐	☐	☑		5 days	9/5/2024		☐	☐
006A	EB-2-5.0	Soil	SW 8000 (Percent Moisture)	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 14:56	5 days	9/3/2024		☐	☐

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email: bhayward@langan.com

Project: 750680202; SLO Courthouse
Comments:

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024

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LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
006A	EB-2-5.0	Soil	Multi-Range TPH Gas, Diesel, and Motor Oil	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 14:56	5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
008A	EB-3-5.0	Soil	SW9045D (pH)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 12:05	5 days	9/3/2024		☐	☐
			SW 8000 (Percent Moisture)			☐	☐	☑		5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☑	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8270E (Low Level SVOCs) with GPC Cleanup			☐	☐	☑		5 days	9/5/2024		☐	☐
			SW8260D (VOCs)			☐	☐	☑		5 days	9/3/2024		☐	☐

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WORK ORDER SUMMARY

Client Name: LANGAN **Project:** 750680202; SLO Courthouse **Work Order:** 2408K98
Client Contact: Brendan Hayward **QC Level:** LEVEL 2
Contact's Email: bhayward@langan.com **Comments:** **Date Logged:** 8/28/2024

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LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
008A	EB-3-5.0	Soil	SW8081B/8082A (OC Pesticides+PCBs) Low Level ESLs	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 12:05	5 days	9/5/2024		☐	☐
010A	EB-3-8.5	Soil	SW 8000 (Percent Moisture)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 12:30	5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
011A	EB-3-1.0	Soil	SW 8000 (Percent Moisture)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 11:57	5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
012A	EB-4-1.0	Soil	SW 8000 (Percent Moisture)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:37	5 days	9/3/2024		☐	☐

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email: bhayward@langan.com

Project: 750680202; SLO Courthouse
Comments:

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024

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LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
012A	EB-4-1.0	Soil	Multi-Range TPH Gas, Diesel, and Motor Oil	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:37	5 days	9/5/2024		☐	☑
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
013A	EB-4-3.0	Soil	SW 8000 (Percent Moisture)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:39	5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
015A	EB-4-7.0	Soil	SW9045D (pH)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:45	5 days	9/3/2024		☐	☐
			SW 8000 (Percent Moisture)			☐	☐	☑		5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐

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WORK ORDER SUMMARY

Client Name: LANGAN **Project:** 750680202; SLO Courthouse **Work Order:** 2408K98
Client Contact: Brendan Hayward **QC Level:** LEVEL 2
Contact's Email: bhayward@langan.com **Comments:** **Date Logged:** 8/28/2024

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LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
015A	EB-4-7.0	Soil	SW8270E (Low Level SVOCs) with GPC Cleanup	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:45	5 days	9/5/2024		☐	☐
			SW8260D (VOCs)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8081B/8082A (OC Pesticides+PCBs) Low Level ESLs			☐	☐	☑		5 days	9/5/2024		☐	☐
017A	EB-5-1.0	Soil	SW 8000 (Percent Moisture)	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 9:38	5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
020A	EB-5-10.0	Soil	SW9045D (pH)	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 9:53	5 days	9/3/2024		☐	☐
			SW 8000 (Percent Moisture)			☐	☐	☑		5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑

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WORK ORDER SUMMARY

Client Name: LANGAN **Project:** 750680202; SLO Courthouse **Work Order:** 2408K98
Client Contact: Brendan Hayward **QC Level:** LEVEL 2
Contact's Email: bhayward@langan.com **Comments:** **Date Logged:** 8/28/2024

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			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8270E (Low Level SVOCs) with GPC Cleanup			☐	☐	☑		5 days	9/5/2024		☐	☐
			SW8260D (VOCs)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8081B/8082A (OC Pesticides+PCBs) Low Level ESLs			☐	☐	☑		5 days	9/5/2024		☐	☐
021A	EB-6-1.0	Soil	SW9045D (pH)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 7:57	5 days	9/3/2024		☐	☐
			SW 8000 (Percent Moisture)			☐	☐	☑		5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐

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WORK ORDER SUMMARY

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Client Contact: Brendan Hayward **QC Level:** LEVEL 2
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LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
021A	EB-6-1.0	Soil	SW8270E (Low Level SVOCs) with GPC Cleanup	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 7:57	5 days	9/5/2024		☐	☐
			SW8260D (VOCs)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8081B/8082A (OC Pesticides+PCBs) Low Level ESLs			☐	☐	☑		5 days	9/5/2024		☐	☐
022A	EB-6-3.0	Soil	SW9045D (pH)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:00	5 days	9/3/2024		☐	☐
			SW 8000 (Percent Moisture)			☐	☐	☑		5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8270E (Low Level SVOCs) with GPC Cleanup			☐	☐	☑		5 days	9/5/2024		☐	☐
			SW8260D (VOCs)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8081B/8082A (OC Pesticides+PCBs) Low Level ESLs			☐	☐	☑		5 days	9/5/2024		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

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WORK ORDER SUMMARY

Client Name: LANGAN **Project:** 750680202; SLO Courthouse **Work Order:** 2408K98
Client Contact: Brendan Hayward **QC Level:** LEVEL 2
Contact's Email: bhayward@langan.com **Comments:** **Date Logged:** 8/28/2024

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
024A	EB-5-5.0	Soil	SW 8000 (Percent Moisture)	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 9:44	5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
025A	EB-6-7.0	Soil	SW 8000 (Percent Moisture)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:05	5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
027A	EB-7-1.0	Soil	SW 8000 (Percent Moisture)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:54	5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐

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WORK ORDER SUMMARY

Client Name: LANGAN **Project:** 750680202; SLO Courthouse **Work Order:** 2408K98
Client Contact: Brendan Hayward **QC Level:** LEVEL 2
Contact's Email: bhayward@langan.com **Comments:** **Date Logged:** 8/28/2024

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LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
029A	EB-7-5.0	Soil	SW9045D (pH)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:57	5 days	9/3/2024		☐	☐
			SW 8000 (Percent Moisture)			☐	☐	☑		5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8270E (Low Level SVOCs) with GPC Cleanup			☐	☐	☑		5 days	9/5/2024		☐	☐
			SW8260D (VOCs)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8081B/8082A (OC Pesticides+PCBs) Low Level ESLs			☐	☐	☑		5 days	9/5/2024		☐	☐
032A	B-6-1	Soil	SW 8000 (Percent Moisture)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/23/2024 10:05	5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐

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WORK ORDER SUMMARY

Client Name: LANGAN **Project:** 750680202; SLO Courthouse **Work Order:** 2408K98
Client Contact: Brendan Hayward **QC Level:** LEVEL 2
Contact's Email: bhayward@langan.com **Comments:** **Date Logged:** 8/28/2024

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LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
033A	B-6-3	Soil	SW 8000 (Percent Moisture)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/23/2024 10:10	5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
034A	B-7-1	Soil	SW9045D (pH)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 13:20	5 days	9/3/2024		☐	☐
			SW 8000 (Percent Moisture)			☐	☐	☑		5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8270E (Low Level SVOCs) with GPC Cleanup			☐	☐	☑		5 days	9/5/2024		☐	☐

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WORK ORDER SUMMARY

Client Name: LANGAN **Project:** 750680202; SLO Courthouse **Work Order:** 2408K98
Client Contact: Brendan Hayward **QC Level:** LEVEL 2
Contact's Email: bhayward@langan.com **Comments:** **Date Logged:** 8/28/2024

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LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
034A	B-7-1	Soil	SW8260D (VOCs)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 13:20	5 days	9/3/2024		☐	☐
			SW8081B/8082A (OC Pesticides+PCBs) Low Level ESLs			☐	☐	☑		5 days	9/5/2024		☐	☐
038A	B-7-10	Soil	SW 8000 (Percent Moisture)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 14:20	5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
040A	B-8-1	Soil	SW 8000 (Percent Moisture)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 10:17	5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
041A	B-8-3	Soil	SW9045D (pH)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 10:25	5 days	9/3/2024		☐	☐
			SW 8000 (Percent Moisture)			☐	☐	☑		5 days	9/3/2024		☐	☐

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WORK ORDER SUMMARY

Client Name: LANGAN **Project:** 750680202; SLO Courthouse **Work Order:** 2408K98
Client Contact: Brendan Hayward **QC Level:** LEVEL 2
Contact's Email: bhayward@langan.com **Comments:** **Date Logged:** 8/28/2024

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
041A	B-8-3	Soil	Multi-Range TPH Gas, Diesel, and Motor Oil	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 10:25	5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8270E (Low Level SVOCs) with GPC Cleanup			☐	☐	☑		5 days	9/5/2024		☐	☐
			SW8260D (VOCs)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8081B/8082A (OC Pesticides+PCBs) Low Level ESLs			☐	☐	☑		5 days	9/5/2024		☐	☐
043A	B-8-7	Soil	SW 8000 (Percent Moisture)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 10:56	5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐

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WORK ORDER SUMMARY

Client Name: LANGAN **Project:** 750680202; SLO Courthouse **Work Order:** 2408K98
Client Contact: Brendan Hayward **QC Level:** LEVEL 2
Contact's Email: bhayward@langan.com **Comments:** **Date Logged:** 8/28/2024

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LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
046A	B-9-1	Soil	SW 8000 (Percent Moisture)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/23/2024 10:50	5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
048A	B-9-5	Soil	SW9045D (pH)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/23/2024 11:10	5 days	9/3/2024		☐	☐
			SW 8000 (Percent Moisture)			☐	☐	☑		5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8270E (Low Level SVOCs) with GPC Cleanup			☐	☐	☑		5 days	9/5/2024		☐	☐
			SW8260D (VOCs)			☐	☐	☑		5 days	9/3/2024		☐	☐

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WORK ORDER SUMMARY

Client Name: LANGAN **Project:** 750680202; SLO Courthouse **Work Order:** 2408K98
Client Contact: Brendan Hayward **QC Level:** LEVEL 2
Contact's Email: bhayward@langan.com **Comments:** **Date Logged:** 8/28/2024

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LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
048A	B-9-5	Soil	SW8081B/8082A (OC Pesticides+PCBs) Low Level ESLs	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/23/2024 11:10	5 days	9/5/2024		☐	☐
052A	B-10-1	Soil	SW9045D (pH)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 16:05	5 days	9/3/2024		☐	☐
			SW 8000 (Percent Moisture)			☐	☐	☑		5 days	9/3/2024		☐	☐
			Multi-Range TPH Gas, Diesel, and Motor Oil			☐	☐	☑		5 days	9/5/2024		☐	☑
			Asbestos, CARB 435, 400 Point			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8270E (Low Level SVOCs) with GPC Cleanup			☐	☐	☑		5 days	9/5/2024		☐	☐
			SW8260D (VOCs)			☐	☐	☑		5 days	9/3/2024		☐	☐
			SW8081B/8082A (OC Pesticides+PCBs) Low Level ESLs			☐	☐	☑		5 days	9/5/2024		☐	☐
054A	B-10-5	Soil	SW 8000 (Percent Moisture)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 16:15	5 days	9/3/2024		☐	☐

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email: bhayward@langan.com

Project: 750680202; SLO Courthouse
Comments:

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024

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LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
054A	B-10-5	Soil	Multi-Range TPH Gas, Diesel, and Motor Oil	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 16:15	5 days	9/5/2024		☐	☑
			SW6020 (CAM 17)			☐	☐	☑		5 days	9/3/2024		☐	☐
058H	EB-1-GW	Water		1	250mL aG w/ H2SO4	☐	☐	☑	8/22/2024 15:25			2%+	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

15080 240816198

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 65

- [x] 135 Main Street, Suite 1500, San Francisco, CA 94105
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- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TA, MA
Recorder (Signature Required): Tessa Gallagher

Turnaround Time: ~~Standard~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPHg,d,mo	VOCs	SVOCs	OCPs	PCBs	CAM17	Total lead	pH	Asbestos	Percent Moisture	Silica gel clean-up	Hold	Remarks
EB-1-1.0	8/22/24	1159		X							X	X	X	X	X	X	X	X	X	X	X			*ESLs & Dry Weight
EB-1-3.0	↓	1201		X							X												X	Confirmed per ~~email~~ phone call VA. 8/28/24
EB-1-5.0		1207		X							X	X				X		~~X~~	X	X				no pH at EB-1-5.0
~~EB-1-7.0~~																								no total lead
~~EB-1-~~																								
EB-2-1.0	8/22/24	1431		X							X												X	
EB-2-3.0	↓	1435		X							X	X	X	X	X	X	X	X	X	X	X			
EB-2-5.0		1456		X							X	X				X		~~X~~	X	X				no pH at EB-2-5.0
EB-3-3.0	8/23/24	1158		X							X												X	
EB-3-5.0		1205		X							X	X	X	X	X	X	X	X	~~X~~	X				cc: Adam Brown abrown@langan.com
EB-3-7.0		1210		X							X												X	Tessa Gallagher tgallagher@langan.com
~~EB-3-10.0~~																								
EB-3-8.5	8/23/24	1230		X							X	X				X				X	X			
~~EB-4-10.0~~																								

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Tessa Gallagher	8/24/2024	1540	MA	8/26/24	1200
MA	8/26/24	1630		8/26/24	1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): _____
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name) _____

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

1.6°C met

#Got the OK to sub TPH-gas per phone call w/ Brendan. VA. 8/28/24
*carb cancelled on EB-3-5.0 per email. VA- 8/29/24

TBF

15081 2408K98

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- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required): Tessa Gallagher

Turnaround Time: ~~Standard~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPHg,d,me	VOCs	SVOCs	OCPs	PCBs	CAM 17	Total Lead	pH	Asbestos	Percent Moisture			Silica gel clean-up	Hold	Remarks
EB-3-1.0	8/23/24	1157		X							X	X					X			X	X					
EB-4-1.0	8/23/24	0837		X							X	X					X				X				~~X~~	don't hold ~~EB~~ 4-1.0
EB-4-3.0	↓	0839		X							X	X					X			X	X					
EB-4-5.0		0840		X							X														X	
EB-4-7.0		0845		X							X	X	X	X	X	X	X	X	X	X	X					
EB-4-10.0	↓	0846		X							X														X	
EB-5-1.0	8/22/24	0938		X							X	X					X			X	X					cc: Adam Brown abrown@langan.com
~~EB-5-2.0~~	↓			X							X															Tessa Gallagher tgallagher@langan.com
EB-5-3.0		0940		X							X														X	
EB-5-7.0		0948		X							X														X	
EB-5-10.0	↓	0953		X							X	X	X	X	X	X	X	X	X	X	X					
EB-6-1.0	8/23/24	0757		X							X	X	X	X	X	X	X	X	X	X	X					
EB-6-3.0	↓	0800		X							X	X	*	*	*	X		X		X						no total lead
EB-6-5.0	↓	0903		X							X														X	

Relinquished by: (Signature) Tessa Gallagher	Date: 8/24/24	Time 1540	Received by: (Signature) MA	Date 8/26/24	Time 1200
Relinquished by: (Signature) MA	Date: 8/26/24	Time 1630	Received by: (Signature)	Date 8/26/24	Time 1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

*Added analysis per client email. VA. 8/29/24

16677 2408K98

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CHAIN OF CUSTODY RECORD

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☐ 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required): Tessa Gallagher

Turnaround Time: ~~Standard~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPHg,d,mo	VOCs	SVOCs	OCPs	PCBs	CAM17	Total Lead	pH	Asbestos	Percent Moisture		Silica gel clean-up	Hold	Remarks
EB-5-5.0	8/22/24	0944		X							X	X					X				X				
EB-6-7.0	8/23/24	0805		X							X	X					X			X	X				
EB-6-10.0	8/23/24	0810		X							X													X	cc: Adam Brown abrown@langan.com
EB-7-1.0	8/23/24	0854		X							X	X					X			X	X				Tessa Gallagher tgallagher@langan.com
EB-7-3.0	↓	0855		X							X													X	
EB-7-5.0		0857		X							X	X	X	X	X	X	X	X	X	X	X				
EB-7-7.0		0934		X							X													X	
EB-7-10.0	↓	0937		X							X													X	
B-6-1	8/23/24	1005		X							X						X				X				
B-6-3		1010		X							X	X					X			X	X				
~~B-6-5~~				X							X													X	no total lead
~~B-6-7~~				X							X													X	
~~B-6-10~~				X							X													X	
~~B-6-15~~				X							X	X	X	X	X	X	X	X	X	X	X				

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	8/24/24	1540		8/26/24	1206
Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	8/26/24	1630		8/26/24	1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: ☐ Lab courier ☐ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

16676 2/08/24

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Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required): [signature]

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH g, d, mo	VOCs	SVOCs	OCPs	PCBs	CAM 17	Total Lead	pH	Asbestos	Percent Moisture		Silica gel clean-up	Hold	Remarks
B-7-1	8/22/24	1:20 PM		X							X	X	X	X	X	X	X	X	X	X	X			no total lead
B-7-3		~~1:50~~ 1:26 PM		X							X												X	
B-7-5		1:50 PM		X							X												X	cc: Adam Brown
B-7-7		2:02 PM		X							X												X	abrown@langan.com
B-7-10		2:20 PM		X							X	X				X			X	X				Tessa Gallagher
B-7-15		2:35 PM		X							X												X	tgallagher@langan.com
B-8-1	8/22/24	1017		X							X					X					X			
B-8-3		1025		X							X	X	X	X	X	X	X		X	X	X			
B-8-5		1050		X							X												X	
B-8-7		1056		X							X	X				X				X	X			
B-8-10		1105																					X	
B-8-15		1115																					X	

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
[signature]	8/24/24	1540	[signature]/MA	8/26/24	1200
[signature]/MA	8/26/24	1630	[signature]	8/26/24	1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

16675 2408498

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- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required):

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPHg,d,mo	VOCs	SVOCs	OCPs	PCBs	CAM 17	PH	Asbestos	Percent Moisture				Silica gel clean-up	Hold	Remarks
B-9-1	8/23/24	10:50AM		X							X	X					X			X						
~~B-9-2~~				X							X													X	cc: Adam Brown abrown@langan.com
B-9-3	8/23/24	1055AM		X							X													X	
B-9-5	8/23/24	11:10 AM		X							X	X	X	X	X	X	X	X	X	X					Tessa Gallagher tgallagher@langan.com
B-9-7	8/23/24	1120 AM		X							X													X	
B-9-10	8/23/24	11:25 AM		X							X													X	
B-9-15	8/23/24	11:35AM		X							X													X	
B-10-1	8/22/24	4:05 PM		X							X	X	X	X	X	X	X	X	X	X					
B-10-3	8/22/24	4:10 PM		X							X													X	
B-10-5	8/22/24	4:15 PM		X							X	X					X			X					
B-10-7	8/22/24	~~4:45 PM~~ 4:30PM		X							X													X	
B-10-10	8/22/24	4:45 PM		X							X													X	
B-10-15	8/23/24	07:40																						X	

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	8/24/24	1540	MA I	8/26/24	1200
Relinquished by: (Signature) MA 2	Date: 8/26/24	Time 1630	Received by: (Signature)	Date 8/26/24	Time 1630
Relinquished by: (Signature)	Date:	Time	Received by Lab (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

*Time per container, MA.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Langan
Project: 750680202; SLO Courthouse

WorkOrder №: 2408K98 Matrix: Soil/Water
Carrier: Antonio Mason (MAI Courier)

Date and Time Received: 8/26/2024 16:30
Date Logged: 8/28/2024
Received by: Valerie Alfaro
Logged by: Valerie Alfaro

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.6°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☑	No	☐	NA	☐
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☑	No	☐	NA	☐

pH Lot#: HC439975
Lot Expiration: 1/31/2028

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

12 September 2024

McCampbell Analytical/Alpha Quote 232557
Attn: Jena Alfaro
1534 Willowpass Rd.
Pittsburg, CA 94565
RE: Soil Testing
Work Order: 24H4825

Enclosed are the results of analyses for samples received by the laboratory on 08/30/24 09:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheri Speaks

Sheri L. Speaks
Project Manager

Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

McCampbell Analytical/Alpha Quote 232557	Project Manager: Jena Alfaro	
1534 Willowpass Rd.	Project: Soil Testing	Reported:
Pittsburg, CA 94565	Project Number: SLO Courthouse	09/12/24 16:29

Bay Area: 262 Rickenbacker Circle | Livermore, CA 94551 | 925-828-6226 | ELAP# 2728
Central Valley: 9090 Union Park Way Suite 113 | Elk Grove, CA 95624 | 916-686-5190 | ELAP# 2922
North Bay: 737 Southpoint Blvd Unit D| Petaluma, CA 94954 | 707-769-3128 | ELAP# 2303
San Diego: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | 760-930-2555 | ELAP# 3055
Los Angeles: 1230 E. 223rd Street Suite 205 | Carson, CA 90745 | 424-267-5032 | ELAP# 3091

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EB-1-1.0	24H4825-01	Soil	08/22/24 11:59	08/30/24 09:30
EB-1-5.0	24H4825-02	Soil	08/22/24 12:09	08/30/24 09:30
EB-2-3.0	24H4825-03	Soil	08/22/24 14:35	08/30/24 09:30
EB-2-5.0	24H4825-04	Soil	08/22/24 14:56	08/30/24 09:30
EB-3-5.0	24H4825-05	Soil	08/23/24 12:05	08/30/24 09:30
EB-3-8.5	24H4825-06	Soil	08/23/24 12:30	08/30/24 09:30
EB-3-1.0	24H4825-07	Soil	08/23/24 11:57	08/30/24 09:30
EB-4-1.0	24H4825-08	Soil	08/23/24 08:37	08/30/24 09:30
EB-4-3.0	24H4825-09	Soil	08/23/24 08:39	08/30/24 09:30
EB-4-7.0	24H4825-10	Soil	08/23/24 08:45	08/30/24 09:30
EB-5-1.0	24H4825-11	Soil	08/22/24 09:38	08/30/24 09:30
EB-5-10.0	24H4825-12	Soil	08/22/24 09:53	08/30/24 09:30
EB-6-1.0	24H4825-13	Soil	08/23/24 07:57	08/30/24 09:30
EB-6-3.0	24H4825-14	Soil	08/23/24 08:00	08/30/24 09:30
EB-5-5.0	24H4825-15	Soil	08/22/24 09:44	08/30/24 09:30
EB-6-7.0	24H4825-16	Soil	08/23/24 08:05	08/30/24 09:30
EB-7-1.0	24H4825-17	Soil	08/23/24 08:54	08/30/24 09:30
EB-7-5.0	24H4825-18	Soil	08/23/24 08:57	08/30/24 09:30
B-6-3	24H4825-19	Soil	08/23/24 10:10	08/30/24 09:30
B-7-1	24H4825-20	Soil	08/22/24 13:20	08/30/24 09:30
B-7-10	24H4825-21	Soil	08/22/24 14:20	08/30/24 09:30
B-8-3	24H4825-22	Soil	08/22/24 10:25	08/30/24 09:30
B-8-7	24H4825-23	Soil	08/22/24 10:56	08/30/24 09:30

Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

McCampbell Analytical/Alpha Quote 232557	Project Manager: Jena Alfaro	
1534 Willowpass Rd.	Project: Soil Testing	Reported:
Pittsburg, CA 94565	Project Number: SLO Courthouse	09/12/24 16:29

B-9-1	24H4825-24	Soil	08/23/24 10:50	08/30/24 09:30
B-9-5	24H4825-25	Soil	08/23/24 11:10	08/30/24 09:30
B-10-1	24H4825-26	Soil	08/22/24 16:05	08/30/24 09:30
B-10-5	24H4825-27	Soil	08/22/24 16:15	08/30/24 09:30

This represents an amended copy of the original report.
Water results reported separately at client request.

Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

McCampbell Analytical/Alpha Quote 232557	Project Manager: Jena Alfaro	
1534 Willowpass Rd.	Project: Soil Testing	Reported:
Pittsburg, CA 94565	Project Number: SLO Courthouse	09/12/24 16:29

	Result	Units	Reporting Limit	Dilution	Batch	Prepared	Analyzed	ELAP#	Method	Note
EB-1-1.0 (24H4825-01)			**Sample Type: Soil**			**Sampled: 08/22/24 11:59**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43234	09/03/24 08:00	09/03/24 23:50	2303	EPA 8015B	
EB-1-5.0 (24H4825-02)			**Sample Type: Soil**			**Sampled: 08/22/24 12:09**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43234	09/03/24 08:00	09/04/24 00:20	2303	EPA 8015B	
EB-2-3.0 (24H4825-03)			**Sample Type: Soil**			**Sampled: 08/22/24 14:35**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/04/24 14:51	2303	EPA 8015B	G-1
EB-2-5.0 (24H4825-04)			**Sample Type: Soil**			**Sampled: 08/22/24 14:56**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/04/24 15:22	2303	EPA 8015B	G-1
EB-3-5.0 (24H4825-05)			**Sample Type: Soil**			**Sampled: 08/23/24 12:05**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43234	09/03/24 08:00	09/04/24 00:50	2303	EPA 8015B	
EB-3-8.5 (24H4825-06)			**Sample Type: Soil**			**Sampled: 08/23/24 12:30**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43234	09/03/24 08:00	09/04/24 01:20	2303	EPA 8015B	
EB-3-1.0 (24H4825-07)			**Sample Type: Soil**			**Sampled: 08/23/24 11:57**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43234	09/03/24 08:00	09/04/24 01:50	2303	EPA 8015B	
EB-4-1.0 (24H4825-08)			**Sample Type: Soil**			**Sampled: 08/23/24 08:37**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43234	09/03/24 08:00	09/04/24 02:20	2303	EPA 8015B	
EB-4-3.0 (24H4825-09)			**Sample Type: Soil**			**Sampled: 08/23/24 08:39**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43234	09/03/24 08:00	09/04/24 02:50	2303	EPA 8015B	
EB-4-7.0 (24H4825-10)			**Sample Type: Soil**			**Sampled: 08/23/24 08:45**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43234	09/03/24 08:00	09/04/24 03:19	2303	EPA 8015B	
EB-5-1.0 (24H4825-11)			**Sample Type: Soil**			**Sampled: 08/22/24 09:38**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43234	09/03/24 08:00	09/04/24 03:49	2303	EPA 8015B	
EB-5-10.0 (24H4825-12)			**Sample Type: Soil**			**Sampled: 08/22/24 09:53**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43234	09/03/24 08:00	09/04/24 05:48	2303	EPA 8015B	
EB-6-1.0 (24H4825-13)			**Sample Type: Soil**			**Sampled: 08/23/24 07:57**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43234	09/03/24 08:00	09/04/24 06:18	2303	EPA 8015B	
EB-6-3.0 (24H4825-14)			**Sample Type: Soil**			**Sampled: 08/23/24 08:00**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/04/24 15:54	2303	EPA 8015B	

Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

McCampbell Analytical/Alpha Quote 232557	Project Manager: Jena Alfaro	
1534 Willowpass Rd.	Project: Soil Testing	Reported:
Pittsburg, CA 94565	Project Number: SLO Courthouse	09/12/24 16:29

	Result	Units	Reporting Limit	Dilution	Batch	Prepared	Analyzed	ELAP#	Method	Note
EB-5-5.0 (24H4825-15)			**Sample Type: Soil**				**Sampled: 08/22/24 09:44**			
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43234	09/03/24 08:00	09/04/24 06:48	2303	EPA 8015B	
EB-6-7.0 (24H4825-16)			**Sample Type: Soil**				**Sampled: 08/23/24 08:05**			
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/03/24 21:49	2303	EPA 8015B	
EB-7-1.0 (24H4825-17)			**Sample Type: Soil**				**Sampled: 08/23/24 08:54**			
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43234	09/03/24 08:00	09/04/24 07:17	2303	EPA 8015B	
EB-7-5.0 (24H4825-18)			**Sample Type: Soil**				**Sampled: 08/23/24 08:57**			
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/04/24 07:47	2303	EPA 8015B	
B-6-3 (24H4825-19)			**Sample Type: Soil**				**Sampled: 08/23/24 10:10**			
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/04/24 08:17	2303	EPA 8015B	
B-7-1 (24H4825-20)			**Sample Type: Soil**				**Sampled: 08/22/24 13:20**			
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/04/24 08:47	2303	EPA 8015B	
B-7-10 (24H4825-21)			**Sample Type: Soil**				**Sampled: 08/22/24 14:20**			
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/04/24 09:16	2303	EPA 8015B	
B-8-3 (24H4825-22)			**Sample Type: Soil**				**Sampled: 08/22/24 10:25**			
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/04/24 09:46	2303	EPA 8015B	
B-8-7 (24H4825-23)			**Sample Type: Soil**				**Sampled: 08/22/24 10:56**			
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/04/24 10:16	2303	EPA 8015B	
B-9-1 (24H4825-24)			**Sample Type: Soil**				**Sampled: 08/23/24 10:50**			
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/04/24 12:46	2303	EPA 8015B	
B-9-5 (24H4825-25)			**Sample Type: Soil**				**Sampled: 08/23/24 11:10**			
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/04/24 13:17	2303	EPA 8015B	
B-10-1 (24H4825-26)			**Sample Type: Soil**				**Sampled: 08/22/24 16:05**			
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/04/24 13:48	2303	EPA 8015B	
B-10-5 (24H4825-27)			**Sample Type: Soil**				**Sampled: 08/22/24 16:15**			
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/kg	1000	1	AI43251	09/03/24 12:00	09/04/24 14:19	2303	EPA 8015B	

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Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

McCampbell Analytical/Alpha Quote 232557	Project Manager: Jena Alfaro	
1534 Willowpass Rd.	Project: Soil Testing	Reported:
Pittsburg, CA 94565	Project Number: SLO Courthouse	09/12/24 16:29

Notes and Definitions

G-1 Results in the gasoline organics range are primarily due to overlap from a diesel range product

ND Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

* ELAP does not offer accreditation in this matrix for the requested analyte/method combination.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
Phone: (925) 252-9262
Fax: (925) 252-9269

SUB CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 **ClientCode: TWRF** **EDF: NO**

☑ EQuIS

Subcontractor:
Alpha Analytical Laboratories (Liv & Ukiah)
262 Rickenbacker Circle

Livermore, CA 94551

QC Level: LEVEL 2
Project Name: SLO Courthouse
Project Number: 2408K98

24H 4/825
0.6

MAI Lab ID	ClientSampID	Source Name	PS Code	Matrix	Collection Date	TAT	Requested Tests (see Legend below) 1	2	3	4	5	6
2408K98-001A	EB-1-1.0			Soil	8/22/2024 11:59	STD	1					
2408K98-003A	EB-1-5.0			Soil	8/22/2024 12:09	STD	1					
2408K98-005A	EB-2-3.0			Soil	8/22/2024 14:35	STD	1					
2408K98-006A	EB-2-5.0			Soil	8/22/2024 14:56	STD	1					
2408K98-008A	EB-3-5.0			Soil	8/23/2024 12:05	STD	1					
2408K98-010A	EB-3-8.5			Soil	8/23/2024 12:30	STD	1					
2408K98-011A	EB-3-1.0			Soil	8/23/2024 11:57	STD	1					
2408K98-012A	EB-4-1.0			Soil	8/23/2024 8:37	STD	1					
2408K98-013A	EB-4-3.0			Soil	8/23/2024 8:39	STD	1					
2408K98-015A	EB-4-7.0			Soil	8/23/2024 8:45	STD	1					
2408K98-017A	EB-5-1.0			Soil	8/22/2024 9:38	STD	1					

Test Legend:

1	SW8021B/8015Bm (G/~~MBTEX~~)	2	SW8021B/8015Bm (G/~~MBTEX~~)	3	
4		5		6	

Comments: **PLEASE USE 'CLIENT ID' AS THE SAMPLE ID AND EMAIL ASAP!**
5DAY TAT. TPH-GAS ONLY BY 8015.

Please email results to at subdata@mccampbell.com upon completion.

		Date/Time			Date/Time
Relinquished by:		8/29/24	Received by:		8/29/24 830
Relinquished by:		8/29/24 931	Received by:		8/29/24 931
		8/29/24			8-29-24 0930

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
Phone: (925) 252-9262
Fax: (925) 252-9269

SUB CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 **ClientCode: TWRF** **EDF: NO**

☑ EQuIS

Subcontractor:
Alpha Analytical Laboratories (Liv & Ukiah)
262 Rickenbacker Circle

Livermore, CA 94551

QC Level: LEVEL 2
Project Name: SLO Courthouse
Project Number: 2408K98

24114825

0.6

MAI Lab ID	ClientSampID	Source Name	PS Code	Matrix	Collection Date	TAT	Requested Tests (see Legend below) 1	2	3	4	5	6
2408K98-020A	EB-5-10.0			Soil	8/22/2024 9:53	STD	1					
2408K98-021A	EB-6-1.0			Soil	8/23/2024 7:57	STD	1					
2408K98-022A	EB-6-3.0			Soil	8/23/2024 8:00	STD	1					
2408K98-024A	EB-5-5.0			Soil	8/22/2024 9:44	STD	1					
2408K98-025A	EB-6-7.0			Soil	8/23/2024 8:05	STD	1					
2408K98-027A	EB-7-1.0			Soil	8/23/2024 8:54	STD	1					
2408K98-029A	EB-7-5.0			Soil	8/23/2024 8:57	STD	1					
2408K98-033A	B-6-3			Soil	8/23/2024 10:10	STD	1					
2408K98-034A	B-7-1			Soil	8/22/2024 13:20	STD	1					
2408K98-038A	B-7-10			Soil	8/22/2024 14:20	STD	1					
2408K98-041A	B-8-3			Soil	8/22/2024 10:25	STD	1					

Test Legend:

1	SW8021B/8015Bm (G/~~MBTEX~~)	2	SW8021B/8015Bm (G/~~MBTEX~~)	3	
4		5		6	

Comments: **PLEASE USE 'CLIENT ID' AS THE SAMPLE ID AND EMAIL ASAP!**
5DAY TAT. TPH-GAS ONLY BY 8015.

Please email results to at subdata@mccampbell.com upon completion.

	Date/Time		Date/Time
Relinquished by:	8/29/24	Received by:	8/29/24 0830
Relinquished by:	8/29/24 931	Received by:	8/29/24 0931
	8/29/24		8-30-24 0930

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Pittsburg, CA 94565-1701
Phone: (925) 252-9262
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SUB CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 **ClientCode: TWRF** **EDF: NO**

☑ EQuIS

Subcontractor:
Alpha Analytical Laboratories (Liv & Ukiah)
262 Rickenbacker Circle

Livermore, CA 94551

QC Level: LEVEL 2
Project Name: SLO Courthouse
Project Number: 2408K98

24H4825
0.6

MAI Lab ID	ClientSampID	Source Name	PS Code	Matrix	Collection Date	TAT	Requested Tests (see Legend below) 1	2	3	4	5	6
2408K98-043A	B-8-7			Soil	8/22/2024 10:56	STD	1					
2408K98-046A	B-9-1			Soil	8/23/2024 10:50	STD	1					
2408K98-048A	B-9-5			Soil	8/23/2024 11:10	STD	1					
2408K98-052A	B-10-1			Soil	8/22/2024 16:05	STD	1					
2408K98-054A	B-10-5			Soil	8/22/2024 16:15	STD	1					
2408K98-058A	EB-1-GW			Water	8/22/2024 15:25	STD		1				
2408K98-059A	MW-1-GW			Water	8/23/2024 13:24	STD		1				
2408K98-060A	MW-6-GW			Water	8/23/2024 13:52	STD		1				

Test Legend:

1	SW8021B/8015Bm (G/~~MBTEX~~)	2	SW8021B/8015Bm (G/~~MBTEX~~)	3	
4		5		6	

Comments: **PLEASE USE 'CLIENT ID' AS THE SAMPLE ID AND EMAIL ASAP!**
5DAY TAT. TPH-GAS ONLY BY 8015.

Please email results to at subdata@mccampbell.com upon completion.

		Date/Time			Date/Time
Relinquished by:		8/29/24	Received by:		8/29/24 830
Relinquished by:		8/29/24 931	Received by:		8/29/24 931
		8/29/24			8-29-24 0931

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2408K98 B

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Brendan Hayward
Project P.O.:
Project: 750680202; SLO Courthouse

Project Location:
Project Received: 08/26/2024

Analytical Report reviewed & approved for release on 09/16/2024 by:

Yen Cao
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2408K98 B

Project: 750680202; SLO Courthouse

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range
SPK Val	Spike Value

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2408K98 B

Project: 750680202; SLO Courthouse

SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	ICP-MS5 322SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.12**	0.10	1	09/11/2024 23:28
Nickel	**2.9**	0.10	1	09/11/2024 23:28

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-5.0	2408K98-006A	Soil	08/22/2024 14:56	ICP-MS5 323SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.24**	0.10	1	09/11/2024 23:31
Nickel	**1.9**	0.10	1	09/11/2024 23:31

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-1.0	2408K98-011A	Soil	08/23/2024 11:57	ICP-MS5 324SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.25**	0.10	1	09/11/2024 23:35

Analyst(s): DB

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-1.0	2408K98-012A	Soil	08/23/2024 08:37	ICP-MS4 263SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.29**	0.10	1	09/12/2024 00:43

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-3.0	2408K98-013A	Soil	08/23/2024 08:39	ICP-MS5 325SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.18**	0.10	1	09/11/2024 23:39
Nickel	**2.7**	0.10	1	09/11/2024 23:39

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	ICP-MS4 264SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/12/2024 00:47
Nickel	**3.1**	0.10	1	09/12/2024 00:47

Analyst(s): AL

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-1.0	**2408K98-017A**	**Soil**	**08/22/2024 09:38**	**ICP-MS5 326SMPL.d**	**301488**

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.30**	0.10	1	09/11/2024 23:42
Nickel	**1.5**	0.10	1	09/11/2024 23:42
Selenium	ND	0.10	1	09/11/2024 23:42

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	**2408K98-021A**	**Soil**	**08/23/2024 07:57**	**ICP-MS5 327SMPL.d**	**301488**

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/11/2024 23:46

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	**2408K98-022A**	**Soil**	**08/23/2024 08:00**	**ICP-MS5 328SMPL.d**	**301489**

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.25**	0.10	1	09/11/2024 23:49
Nickel	**1.1**	0.10	1	09/11/2024 23:49

Analyst(s): DB

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-5.0	2408K98-024A	Soil	08/22/2024 09:44	ICP-MS4 265SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.56**	0.10	1	09/12/2024 00:51

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-1.0	2408K98-027A	Soil	08/23/2024 08:54	ICP-MS5 331SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.35**	0.10	1	09/12/2024 00:00
Nickel	**4.5**	0.10	1	09/12/2024 00:00

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	ICP-MS4 268SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/12/2024 01:02

Analyst(s): AL

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-6-1	2408K98-032A	Soil	08/23/2024 10:05	ICP-MS5 334SMPL.d	301489

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.61**	0.10	1	09/12/2024 00:11

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-6-3	2408K98-033A	Soil	08/23/2024 10:10	ICP-MS5 332SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.45**	0.10	1	09/12/2024 00:04
Lead	**1.7**	0.10	1	09/12/2024 00:04

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	ICP-MS5 311SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.33**	0.10	1	09/11/2024 22:48
Nickel	**1.2**	0.10	1	09/11/2024 22:48

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-10	2408K98-038A	Soil	08/22/2024 14:20	ICP-MS5 333SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/12/2024 00:07

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-1	2408K98-040A	Soil	08/22/2024 10:17	ICP-MS4 269SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.31**	0.10	1	09/12/2024 01:06
Nickel	**5.8**	0.10	1	09/12/2024 01:06

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	ICP-MS5 336SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.23**	0.10	1	09/12/2024 00:18
Nickel	**4.2**	0.10	1	09/12/2024 00:18

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-1	2408K98-046A	Soil	08/23/2024 10:50	ICP-MS5 335SMPL.d	301488

Analytes	Result	RL	DF	Date Analyzed
Chromium	**5.5**	0.10	1	09/12/2024 00:15
Lead	**1.0**	0.10	1	09/12/2024 00:15

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	ICP-MS5 315SMPL.d	301489

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.20**	0.10	1	09/11/2024 23:03
Nickel	**2.1**	0.10	1	09/11/2024 23:03

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	ICP-MS5 338SMPL.d	301489

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.51**	0.10	1	09/12/2024 00:25
Lead	**0.65**	0.10	1	09/12/2024 00:25
Nickel	**4.1**	0.10	1	09/12/2024 00:25

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-5	2408K98-054A	Soil	08/22/2024 16:15	ICP-MS5 337SMPL.d	301489

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.29**	0.10	1	09/12/2024 00:22
Nickel	**3.8**	0.10	1	09/12/2024 00:22

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW1311/SW3010
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-3.0	2408K98-005A	Soil	08/22/2024 14:35	ICP-MS5 217SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 22:05

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-2-5.0	2408K98-006A	Soil	08/22/2024 14:56	ICP-MS5 218SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 22:09

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	ICP-MS5 219SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 22:13

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW1311/SW3010
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-1.0	2408K98-011A	Soil	08/23/2024 11:57	ICP-MS5 222SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 22:24

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-1.0	2408K98-012A	Soil	08/23/2024 08:37	ICP-MS5 223SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 22:27

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-3.0	2408K98-013A	Soil	08/23/2024 08:39	ICP-MS5 224SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 22:31

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW1311/SW3010
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-7.0	2408K98-015A	Soil	08/23/2024 08:45	ICP-MS5 225SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 22:34

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-1.0	2408K98-017A	Soil	08/22/2024 09:38	ICP-MS5 226SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 22:38

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-1.0	2408K98-021A	Soil	08/23/2024 07:57	ICP-MS5 227SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 22:42

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW1311/SW3010
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-3.0	2408K98-022A	Soil	08/23/2024 08:00	ICP-MS5 228SMPL.d	301492

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 22:45

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-5.0	2408K98-024A	Soil	08/22/2024 09:44	ICP-MS5 229SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 22:49

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-1.0	2408K98-027A	Soil	08/23/2024 08:54	ICP-MS5 230SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 22:53

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW1311/SW3010
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-7-5.0	2408K98-029A	Soil	08/23/2024 08:57	ICP-MS5 231SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 22:56

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-6-1	2408K98-032A	Soil	08/23/2024 10:05	ICP-MS5 100SMPL.d	301492

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/11/2024 09:58

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-6-3	2408K98-033A	Soil	08/23/2024 10:10	ICP-MS5 101SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/11/2024 10:01

Analyst(s): AL

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW1311/SW3010
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-1	2408K98-034A	Soil	08/22/2024 13:20	ICP-MS5 102SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/11/2024 10:05

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-1	2408K98-040A	Soil	08/22/2024 10:17	ICP-MS5 103SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/11/2024 10:08

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-3	2408K98-041A	Soil	08/22/2024 10:25	ICP-MS5 104SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/11/2024 10:12

Analyst(s): AL

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW1311/SW3010
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-1	2408K98-046A	Soil	08/23/2024 10:50	ICP-MS5 105SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/11/2024 10:16
Lead	ND	0.10	1	09/11/2024 10:16

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-5	2408K98-048A	Soil	08/23/2024 11:10	ICP-MS5 106SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/11/2024 10:19

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-1	2408K98-052A	Soil	08/22/2024 16:05	ICP-MS5 107SMPL.d	301491

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/11/2024 10:23

Analyst(s): AL

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW1311/SW3010
Date Prepared:	09/09/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-10-5	2408K98-054A	Soil	08/22/2024 16:15	ICP-MS5 212SMPL.d	301492

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	09/10/2024 21:47

Analyst(s): DB

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/09/2024	**BatchID:**	301488
Date Analyzed:	09/11/2024	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301488

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.10	0.10	-	-	-
Lead	ND	0.10	0.10	-	-	-
Nickel	ND	0.10	0.10	-	-	-
Selenium	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	9.9	9.9	10	99	99	75-125	0.294	20
Lead	9.9	10	10	99	100	75-125	0.600	20
Nickel	10	10	10	100	100	75-125	0.394	20
Selenium	9.9	10	10	99	100	75-125	0.944	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/09/2024	**BatchID:**	301489
Date Analyzed:	09/11/2024	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301489

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.10	0.10	-	-	-
Lead	ND	0.10	0.10	-	-	-
Nickel	ND	0.10	0.10	-	-	-
Selenium	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	10	9.7	10	100	97	75-125	2.34	20
Lead	10	10	10	101	100	75-125	1.08	20
Nickel	10	10	10	102	100	75-125	1.21	20
Selenium	10	10	10	100	100	75-125	0.0758	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/09/2024	**BatchID:**	301491
Date Analyzed:	09/10/2024	**Extraction Method:**	SW1311/SW3010
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301491

QC Summary Report for Metals (TCLP)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.10	0.10	-	-	-
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	10	10	10	101	101	75-125	0.363	20
Lead	10	10	10	103	103	75-125	0.697	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/09/2024	**BatchID:**	301492
Date Analyzed:	09/10/2024	**Extraction Method:**	SW1311/SW3010
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301492

QC Summary Report for Metals (TCLP)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.10	0.10	-	-	-
Lead	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	10	9.7	10	102	97	75-125	4.36	20
Lead	10	10	10	103	101	75-125	2.28	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 B **ClientCode: TWRF**

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☐ Detection Summary ☐ Excel

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135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5241 FAX: (415) 955-9041

Email: bhayward@langan.com
cc/3rd Party: tgallagher@langan.com; abrown@langan.c
PO:
Project: 750680202; SLO Courthouse

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: **5 days;**

Date Received: **08/26/2024**
Date Logged: **08/28/2024**
Date Add-On: **09/05/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2408K98-005	EB-2-3.0	Soil	8/22/2024 14:35	☐	A	A										
2408K98-006	EB-2-5.0	Soil	8/22/2024 14:56	☐	A	A										
2408K98-008	EB-3-5.0	Soil	8/23/2024 12:05	☐		A										
2408K98-011	EB-3-1.0	Soil	8/23/2024 11:57	☐	A	A										
2408K98-012	EB-4-1.0	Soil	8/23/2024 08:37	☐	A	A										
2408K98-013	EB-4-3.0	Soil	8/23/2024 08:39	☐	A	A										
2408K98-015	EB-4-7.0	Soil	8/23/2024 08:45	☐	A	A										
2408K98-017	EB-5-1.0	Soil	8/22/2024 09:38	☐	A	A										
2408K98-021	EB-6-1.0	Soil	8/23/2024 07:57	☐	A	A										
2408K98-022	EB-6-3.0	Soil	8/23/2024 08:00	☐	A	A										
2408K98-024	EB-5-5.0	Soil	8/22/2024 09:44	☐	A	A										
2408K98-027	EB-7-1.0	Soil	8/23/2024 08:54	☐	A	A										
2408K98-029	EB-7-5.0	Soil	8/23/2024 08:57	☐	A	A										
2408K98-032	B-6-1	Soil	8/23/2024 10:05	☐	A	A										
2408K98-033	B-6-3	Soil	8/23/2024 10:10	☐	A	A										

Test Legend:

1	METALSMS_STLC_S	2	METALSMS_TCLP_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Valerie Alfaro

Add-On Prepared By: Agustina Venegas

Comments: Last page is Addon A now. Client wants it reported out separtely 8/29/2024. STLC & TCLPs added 9/5/2024 STAT

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 B **ClientCode: TWRF**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Excel

Report to:
Brendan Hayward
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5241 FAX: (415) 955-9041

Email: bhayward@langan.com
cc/3rd Party: tgallagher@langan.com; abrown@langan.c
PO:
Project: 750680202; SLO Courthouse

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: **5 days;**

Date Received: **08/26/2024**
Date Logged: **08/28/2024**
Date Add-On: **09/05/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2408K98-034	B-7-1	Soil	8/22/2024 13:20	☐	A	A										
2408K98-038	B-7-10	Soil	8/22/2024 14:20	☐	A											
2408K98-040	B-8-1	Soil	8/22/2024 10:17	☐	A	A										
2408K98-041	B-8-3	Soil	8/22/2024 10:25	☐	A	A										
2408K98-046	B-9-1	Soil	8/23/2024 10:50	☐	A	A										
2408K98-048	B-9-5	Soil	8/23/2024 11:10	☐	A	A										
2408K98-052	B-10-1	Soil	8/22/2024 16:05	☐	A	A										
2408K98-054	B-10-5	Soil	8/22/2024 16:15	☐	A	A										

Test Legend:

1	METALSMS_STLC_S	2	METALSMS_TCLP_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Valerie Alfaro

Add-On Prepared By: Agustina Venegas

Comments: Last page is Addon A now. Client wants it reported out separtely 8/29/2024. STLC & TCLPs added 9/5/2024 STAT

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email bhayward@langan.com

Project: 750680202; SLO Courthouse

Comments: Last page is Addon A now. Client wants it reported out separtely 8/29/2024. STLC & TCLPs added 9/5/2024 STAT

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024
Date Add-On: 9/5/2024

LabID	ClientSampID	Matrix	Test Name	Cont. /Comp	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
005A	EB-2-3.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 14:35	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		5 days*	9/18/2024		☐	☐
006A	EB-2-5.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 14:56	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		5 days*	9/18/2024		☐	☐
008A	EB-3-5.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 12:05	5 days*	9/18/2024		☐	☐
011A	EB-3-1.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 11:57	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium>			☐	☐	☑		5 days*	9/18/2024		☐	☐
012A	EB-4-1.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:37	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium>			☐	☐	☑		5 days*	9/18/2024		☐	☐
013A	EB-4-3.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:39	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		5 days*	9/18/2024		☐	☐
015A	EB-4-7.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:45	5 days*	9/18/2024		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

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- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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Cont. / Comp. = Containers /Composites

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email bhayward@langan.com

Project: 750680202; SLO Courthouse

Comments: Last page is Addon A now. Client wants it reported out separtely 8/29/2024. STLC & TCLPs added 9/5/2024 STAT

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024
Date Add-On: 9/5/2024

LabID	ClientSampID	Matrix	Test Name	Cont. /Comp	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
015A	EB-4-7.0	Soil	SW6020 (Metals) (STLC) <Chromium, Nickel>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:45	5 days*	9/18/2024		☐	☐
017A	EB-5-1.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 9:38	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel, Selenium>			☐	☐	☑		5 days*	9/18/2024		☐	☐
021A	EB-6-1.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 7:57	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium>			☐	☐	☑		5 days*	9/18/2024		☐	☐
022A	EB-6-3.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:00	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		5 days*	9/18/2024		☐	☐
024A	EB-5-5.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 9:44	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium>			☐	☐	☑		5 days*	9/18/2024		☐	☐
027A	EB-7-1.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:54	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		5 days*	9/18/2024		☐	☐
029A	EB-7-5.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:57	5 days*	9/18/2024		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email bhayward@langan.com

Project: 750680202; SLO Courthouse

Comments: Last page is Addon A now. Client wants it reported out separtely 8/29/2024. STLC & TCLPs added 9/5/2024 STAT

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024
Date Add-On: 9/5/2024

LabID	ClientSampID	Matrix	Test Name	Cont. /Comp	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
029A	EB-7-5.0	Soil	SW6020 (Metals) (STLC) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:57	5 days*	9/18/2024		☐	☐
032A	B-6-1	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/23/2024 10:05	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium>			☐	☐	☑		5 days*	9/18/2024		☐	☐
033A	B-6-3	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/23/2024 10:10	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Lead>			☐	☐	☑		5 days*	9/18/2024		☐	☐
034A	B-7-1	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 13:20	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		5 days*	9/18/2024		☐	☐
038A	B-7-10	Soil	SW6020 (Metals) (STLC) <Chromium>	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 14:20	5 days*	9/18/2024		☐	☐
040A	B-8-1	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 10:17	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		5 days*	9/18/2024		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email bhayward@langan.com

Project: 750680202; SLO Courthouse

Comments: Last page is Addon A now. Client wants it reported out separtely 8/29/2024. STLC & TCLPs added 9/5/2024 STAT

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024
Date Add-On: 9/5/2024

LabID	ClientSampID	Matrix	Test Name	Cont. /Comp	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
041A	B-8-3	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 10:25	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		5 days*	9/18/2024		☐	☐
046A	B-9-1	Soil	SW6020 (Metals) (TCLP) <Chromium, Lead>	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/23/2024 10:50	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Lead>			☐	☐	☑		5 days*	9/18/2024		☐	☐
048A	B-9-5	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/23/2024 11:10	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		5 days*	9/18/2024		☐	☐
052A	B-10-1	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 16:05	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Lead, Nickel>			☐	☐	☑		5 days*	9/18/2024		☐	☐
054A	B-10-5	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 16:15	5 days*	9/18/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		5 days*	9/18/2024		☐	☐

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Cont. / Comp. = Containers /Composites

15080 240816198

LANGAN

CHAIN OF CUSTODY RECORD

- [X] 135 Main Street, Suite 1500, San Francisco, CA 94105
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TA, MA
Recorder (Signature Required): Tessa Gallagher

Turnaround Time: ~~Standard~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPHg,d,mo	VOCs	SVOCs	OCPs	PCBs	CAM17	Total Lead	pH	Asbestos	Percent Moisture	STLC CR	TCLP CR	STLC Ni	Hold	Remarks
EB-1-1.0	8/22/24	1159		X							X	X	X	X	X	X	X	X	X	X	X					* ESLs & Dry Weight
EB-1-3.0	↓	1201		X							X														X	Confirmed per ~~email~~ phone call VA 8/28/24
EB-1-5.0		1207		X							X	X					X		X	X	X					no pH at EB-1-5.0
~~EB-1-7.0~~																										no total lead
~~EB-1-~~																										
EB-2-1.0	8/22/24	1431		X							X														X	
EB-2-3.0	↓	1435		X							X	X	X	X	X	X	X	X	X	X	X	X	X	X		
EB-2-5.0		1456		X							X	X					X		X	X	X	X	X	X		no pH at EB-2-5.0
EB-3-3.0	8/23/24	1158		X							X														X	
EB-3-5.0	↓	1205		X							X	X	X	X	X	X	X	X	X	X			X			cc: Adam Brown abrown@langan.com
EB-3-7.0		1210		X							X														X	Tessa Gallagher tgallagher@langan.com
~~EB-3-10.0~~																										
EB-3-8.5	8/23/24	1230		X							X	X					X			X	X					
~~EB-4-10.0~~																										

Relinquished by: (Signature) Tessa Gallagher	Date: 8/24/2024	Time 1540	Received by: (Signature) MA
Relinquished by: (Signature) MA	Date: 8/26/24	Time 1630	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)

Received by: (Signature) MA	Date 8/26/24	Time 1200		
Received by: (Signature)	Date 8/26/24	Time 1630		
Received by Lab: (Signature)	Date	Time		

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number: 1.6 ice

Got the OK to sub TPH-gas per phone call w/ Brendan. VA. 8/28/24

* Carb cancelled on EB-3-5.0 per email. VA - 8/29/24

IFLS

-Added 9/5/24 STAT.

15081 24081K98

LANGAN

CHAIN OF CUSTODY RECORD

- [X] 135 Main Street, Suite 1500, San Francisco, CA 94105
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required): Tessa Gallagher

Turnaround Time: ~~Standard~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCl	H_2SO_4	HNO_3	Ice	Analysis Requested: TPHg, d, me	VOCs	SVOCs	OCPs	PCBs	CAM 17	Total Lead	pH	Asbestos	Percent Moisture	STLC CR	TCLP CR	STLC Ni	Hold	STLC SE	Remarks
EB-3-1.0	8/23/24	1157		X							X	X					X			X	X	X	X				
EB-4-1.0	8/23/24	0837		X							X	X					X				X	X	X	~~X~~			don't hold EB-4-1.0
EB-4-3.0		0839		X							X	X					X			X	X	X	X				
EB-4-5.0		0840		X							X													X			
EB-4-7.0		0845		X							X	X	X	X	X	X	X	X	X	X	X	X	X				
EB-4-10.0		0846		X							X													X			
EB-5-1.0	8/22/24	0938		X							X	X					X			X	X	X	X			X	cc: Adam Braun abraun@langan.com Tessa Gallagher tgallagher@langan.com
~~EB-5-2.0~~				X							X																
EB-5-3.0		0940		X							X													X			
EB-5-7.0		0948		X							X													X			
EB-5-10.0		0953		X							X	X	X	X	X	X	X	X	X	X	X						
EB-6-1.0	8/23/24	0757		X							X	X	X	X	X	X	X	X	X	X	X	X	X				
EB-6-3.0		0800		X							X	X	X	X	X	X	X	X		X	X	X	X				no total lead
EB-6-5.0		0903		X							X													X			

Relinquished by: (Signature) Tessa Gallagher	Date: 8/24/24	Time: 1540	Received by: (Signature) MAJ
Relinquished by: (Signature) MAJ	Date: 8/26/24	Time: 1630	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)

Received by: (Signature) MAJ	Date: 8/26/24	Time: 1200	
Received by: (Signature)	Date: 8/26/24	Time: 1630	
Received by Lab: (Signature)	Date	Time	

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

*Added analysis per client email. VA. 8/29/24

16677 2/08/24

LANGAN

CHAIN OF CUSTODY RECORD

Page 3 of 5

135 Main Street, Suite 1500, San Francisco, CA 94105
501 14th Street, Third Floor, Oakland, CA 94612
3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required): [signature]

Turnaround Time: ~~Standard~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPHg,d,mo	VOCs	SVOCs	OCPs	PCBs	CAM17	Total Lead	pH	Asbestos	Percent Moisture	STLC cd	TCLP cd	STLC Ni	Hold	STLC Pb	Remarks
EB-5-5.0	8/22/24	0944		X							X	X					X				X	X	X				
EB-6-7.0	8/23/24	0805		X							X	X					X			X	X						
EB-6-10.0	8/23/24	0810		X							X														X		cc: Adam Brown abrown@langan.com
EB-7-1.0	8/23/24	0854		X							X	X					X			X	X	X	X				Tessa Gallagher tgallagher@langan.com
EB-7-3.0	↓	0855		X							X														X		
EB-7-5.0		0757		X							X	X	X	X	X	X	X	X	X	X	X	X	X				
EB-7-7.0		0934		X							X														X		
EB-7-10.0	↓	0937		X							X														X		
B-6-1	8/23/24	1005		X							X						X				X	X	X				
B-6-3		1010		X							X	X					X			X	X	X	X			X	
~~B-6-5~~				X							X														X		no total lead
~~B-6-7~~				X							X														X		
~~B-6-10~~				X							X														X		
~~B-6-15~~				X							X	X	X	X	X	X	X	X	X	X	X						

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
[signature]	8/24/24	1540	[signature]	8/26/24	1206
[signature]	8/26/24	1630	[signature]	8/26/24	1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: ☐ Lab courier ☐ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

16676 24081498

LANGAN

CHAIN OF CUSTODY RECORD

- [X] 135 Main Street, Suite 1500, San Francisco, CA 94105
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required): [signature]

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH g, d, mo	VOCs	SVOCs	OCPs	PCBs	CAM 17	Total Lead	pH	Asbestos	Percent Moisture	STLC CR	TCLP CR	SVOCs	Hold	Remarks
B-7-1	8/22/24	1:20 PM		X							X	X	X	X	X	X	X	X	X	X	X	X	X			no total lead
B-7-3		~~1:50~~ 1:26PM		X							X														X	
B-7-5		1:50PM		X							X														X	cc: Adam Brown
B-7-7		2:02PM		X							X														X	abrown@langan.com
B-7-10		2:20PM		X							X	X				X			X	X	X					Tessa Gallagher
B-7-15		2:35 PM		X							X														X	tgallagher@langan.com
B-8-1	8/22/24	1017		X							X					X				X	X	X	X			
B-8-3		1025		X							X	X	X	X	X	X		X	X	X	X	X	X			
B-8-5		1050		X							X														X	
B-8-7		1056		X							X	X				X			X	X						
B-8-10		1105																							X	
B-8-15		1115																							X	

Relinquished by: (Signature) [signature]	Date: 8/24/24	Time 1540	Received by: (Signature) [signature]	Date 8/26/24	Time 1200
Relinquished by: (Signature) [signature]	Date: 8/26/24	Time 1630	Received by: (Signature) [signature]	Date 8/26/24	Time 1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature) [signature]	Date	Time

Sent to Laboratory (Name): _____
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name) _____

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

16675 2408498

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CHAIN OF CUSTODY RECORD

- [X] 135 Main Street, Suite 1500, San Francisco, CA 94105
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required):

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPHg,d,mo	VOCs	SVOCs	OCPs	PCBs	CAM 17	PLH	Asbestos	Percent Moisture	STLC CR	TCLP CR	STLC NI	STLC PB	Hold	TCLP PB	Remarks
B-9-1	8/23/24	10:50AM		X							X		X					X				X	X		X		X	
B-9-2				X							X															X		cc: Adam Brown
B-9-3	8/23/24	1055AM		X							X															X		abrown@langan.com
B-9-5	8/23/24	11:10 AM		X							X		X	X	X	X	X	X	X	X	X	X	X	X				Tessa Gallagher
B-9-7	8/23/24	1120 AM		X							X															X		tgallagher@langan.com
B-9-10	8/23/24	11:25 AM		X							X															X		
B-9-15	8/23/24	11:35AM		X							X															X		
B-10-1	8/22/24	4:05 PM		X							X		X	X	X	X	X	X	X	X	X	X	X	X	X			
B-10-3	8/22/24	4:10 PM		X							X															X		
B-10-5	8/22/24	4:15 PM		X							X		X					X			X	X	X	X				
B-10-7	8/22/24	~~4:45 PM~~ 4:30PM		X							X															X		
B-10-10	8/22/24	4:45 PM		X							X															X		
B-10-15	8/23/24	07:40																								X		

Relinquished by: (Signature)	Date: 8/24/24	Time 1540	Received by: (Signature)	Date 8/26/24 Time 1200
Relinquished by: (Signature)	Date: 8/24/24	Time 1630	Received by: (Signature)	Date 8/26/24 Time 1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

*Time per container, MA.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2408K98 D

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Brendan Hayward
Project P.O.:
Project: 750680202; SLO Courthouse

Project Location:
Project Received: 08/26/2024

Analytical Report reviewed & approved for release on 10/01/2024 by:

Jena Alfaro
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2408K98 D

Project: 750680202; SLO Courthouse

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range
SPK Val	Spike Value

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2408K98 D

Project: 750680202; SLO Courthouse

SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

H	Sample was analyzed out of hold time

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Case Narrative

Client: Langan
Project: 750680202; SLO Courthouse

Work Order: 2408K98
October 01, 2024

Percent Moisture

In accordance with SW-846, 8000, percent moisture is reported as:

[Moisture Weight (g)] / [Sample Wet Weight (g)] x 100

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	09/20/2024-09/24/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-3.0	2408K98-007A	Soil	08/23/2024 11:58	ICP-MS4 124SMPL.d	302280

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.57	1	09/23/2024 11:51
Arsenic	**3.5**	0.57	1	09/23/2024 11:51
Barium	**45**	5.7	1	09/23/2024 11:51
Beryllium	ND	0.57	1	09/23/2024 11:51
Cadmium	ND	0.57	1	09/23/2024 11:51
Chromium	**210**	0.57	1	09/23/2024 11:51
Cobalt	**13**	0.57	1	09/23/2024 11:51
Copper	**25**	0.57	1	09/23/2024 11:51
Lead	**5.0**	0.57	1	09/23/2024 11:51
Mercury	ND	0.057	1	09/23/2024 11:51
Molybdenum	**0.58**	0.57	1	09/23/2024 11:51
Nickel	**180**	0.57	1	09/23/2024 11:51
Selenium	ND	0.57	1	09/23/2024 11:51
Silver	ND	0.57	1	09/23/2024 11:51
Thallium	ND	0.57	1	09/23/2024 11:51
Vanadium	**63**	0.57	1	09/23/2024 11:51
Zinc	**30**	5.7	1	09/23/2024 11:51

Surrogates	REC (%)	Limits	
Terbium	76	70-130	09/23/2024 11:51

Analyst(s): WV

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	09/20/2024-09/24/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-7.0	2408K98-009A	Soil	08/23/2024 12:10	ICP-MS4 125SMPL.d	302297

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.80**	0.59	1	09/23/2024 11:55
Arsenic	**2.2**	0.59	1	09/23/2024 11:55
Barium	**50**	5.9	1	09/23/2024 11:55
Beryllium	ND	0.59	1	09/23/2024 11:55
Cadmium	**0.73**	0.59	1	09/23/2024 11:55
Chromium	**220**	0.59	1	09/23/2024 11:55
Cobalt	**14**	0.59	1	09/23/2024 11:55
Copper	**28**	0.59	1	09/23/2024 11:55
Lead	**4.3**	0.59	1	09/23/2024 11:55
Mercury	**0.14**	0.059	1	09/23/2024 11:55
Molybdenum	ND	0.59	1	09/23/2024 11:55
Nickel	**410**	0.59	1	09/23/2024 11:55
Selenium	ND	0.59	1	09/23/2024 11:55
Silver	ND	0.59	1	09/23/2024 11:55
Thallium	ND	0.59	1	09/23/2024 11:55
Vanadium	**52**	0.59	1	09/23/2024 11:55
Zinc	**64**	5.9	1	09/23/2024 11:55

Surrogates	REC (%)	Limits	
Terbium	95	70-130	09/23/2024 11:55

Analyst(s): WV

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	09/20/2024-09/24/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-5.0	2408K98-014A	Soil	08/23/2024 08:40	ICP-MS4 126SMPL.d	302297

Analytes	Result	RL	DF	Date Analyzed
Antimony	**1.1**	0.62	1	09/23/2024 11:59
Arsenic	**8.2**	0.62	1	09/23/2024 11:59
Barium	**95**	6.2	1	09/23/2024 11:59
Beryllium	ND	0.62	1	09/23/2024 11:59
Cadmium	**0.87**	0.62	1	09/23/2024 11:59
Chromium	**170**	0.62	1	09/23/2024 11:59
Cobalt	**44**	0.62	1	09/23/2024 11:59
Copper	**35**	0.62	1	09/23/2024 11:59
Lead	**4.7**	0.62	1	09/23/2024 11:59
Mercury	ND	0.062	1	09/23/2024 11:59
Molybdenum	**0.87**	0.62	1	09/23/2024 11:59
Nickel	**290**	0.62	1	09/23/2024 11:59
Selenium	ND	0.62	1	09/23/2024 11:59
Silver	ND	0.62	1	09/23/2024 11:59
Thallium	ND	0.62	1	09/23/2024 11:59
Vanadium	**61**	0.62	1	09/23/2024 11:59
Zinc	**62**	6.2	1	09/23/2024 11:59

Surrogates	REC (%)	Limits	
Terbium	86	70-130	09/23/2024 11:59

Analyst(s): WV

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	09/20/2024-09/24/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-3.0	2408K98-018A	Soil	08/22/2024 09:40	ICP-MS4 191SMPL.d	302297

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**1.9**		0.67	1	09/23/2024 20:23
Arsenic	**15**		0.67	1	09/23/2024 20:23
Barium	**160**		6.7	1	09/23/2024 20:23
Beryllium	**0.67**		0.67	1	09/23/2024 20:23
Cadmium	**1.2**		0.67	1	09/23/2024 20:23
Chromium	**400**		0.67	1	09/23/2024 20:23
Cobalt	**27**		0.67	1	09/23/2024 20:23
Copper	**47**		0.67	1	09/23/2024 20:23
Lead	**8.0**		0.67	1	09/23/2024 20:23
Mercury	ND	H	0.067	1	09/23/2024 20:23
Molybdenum	**2.9**		0.67	1	09/23/2024 20:23
Nickel	**480**		0.67	1	09/23/2024 20:23
Selenium	ND		0.67	1	09/23/2024 20:23
Silver	ND		0.67	1	09/23/2024 20:23
Thallium	ND		0.67	1	09/23/2024 20:23
Vanadium	**130**		0.67	1	09/23/2024 20:23
Zinc	**69**		6.7	1	09/23/2024 20:23

Surrogates	REC (%)	Limits	
Terbium	99	70-130	09/23/2024 20:23

Analyst(s): DB

(Cont.)

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	09/20/2024-09/24/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-7.0	2408K98-019A	Soil	08/22/2024 09:48	ICP-MS4 192SMPL.d	302297

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**0.83**		0.59	1	09/23/2024 20:27
Arsenic	**9.6**		0.59	1	09/23/2024 20:27
Barium	**330**		5.9	1	09/23/2024 20:27
Beryllium	ND		0.59	1	09/23/2024 20:27
Cadmium	ND		0.59	1	09/23/2024 20:27
Chromium	**34**		0.59	1	09/23/2024 20:27
Cobalt	**19**		0.59	1	09/23/2024 20:27
Copper	**57**		0.59	1	09/23/2024 20:27
Lead	**14**		0.59	1	09/23/2024 20:27
Mercury	ND	H	0.059	1	09/23/2024 20:27
Molybdenum	**0.90**		0.59	1	09/23/2024 20:27
Nickel	**200**		0.59	1	09/23/2024 20:27
Selenium	ND		0.59	1	09/23/2024 20:27
Silver	ND		0.59	1	09/23/2024 20:27
Thallium	ND		0.59	1	09/23/2024 20:27
Vanadium	**49**		0.59	1	09/23/2024 20:27
Zinc	**91**		5.9	1	09/23/2024 20:27

Surrogates	REC (%)	Limits	
Terbium	95	70-130	09/23/2024 20:27

Analyst(s): DB

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	09/20/2024-09/24/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-5.0	2408K98-023A	Soil	08/23/2024 08:03	ICP-MS4 193SMPL.d	302297

Analytes	Result	RL	DF	Date Analyzed
Antimony	**1.2**	0.63	1	09/23/2024 20:31
Arsenic	**11**	0.63	1	09/23/2024 20:31
Barium	**320**	6.3	1	09/23/2024 20:31
Beryllium	ND	0.63	1	09/23/2024 20:31
Cadmium	**3.0**	0.63	1	09/23/2024 20:31
Chromium	**240**	0.63	1	09/23/2024 20:31
Cobalt	**160**	0.63	1	09/23/2024 20:31
Copper	**49**	0.63	1	09/23/2024 20:31
Lead	**24**	0.63	1	09/23/2024 20:31
Mercury	ND	0.063	1	09/23/2024 20:31
Molybdenum	**2.2**	0.63	1	09/23/2024 20:31
Nickel	**910**	6.3	10	09/24/2024 14:21
Selenium	ND	0.63	1	09/23/2024 20:31
Silver	ND	0.63	1	09/23/2024 20:31
Thallium	**0.80**	0.63	1	09/23/2024 20:31
Vanadium	**67**	0.63	1	09/23/2024 20:31
Zinc	**80**	6.3	1	09/23/2024 20:31

Surrogates	REC (%)	Limits	
Terbium	99	70-130	09/23/2024 20:31

Analyst(s): AL, DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	09/20/2024-09/24/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-5	2408K98-036A	Soil	08/22/2024 13:50	ICP-MS4 1088SMPL.d	302559

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**1.1**		0.71	1	09/26/2024 12:57
Arsenic	**16**		0.71	1	09/26/2024 12:57
Barium	**170**		7.1	1	09/26/2024 12:57
Beryllium	**0.75**		0.71	1	09/26/2024 12:57
Cadmium	ND		0.71	1	09/26/2024 12:57
Chromium	**57**		0.71	1	09/26/2024 12:57
Cobalt	**21**		0.71	1	09/26/2024 12:57
Copper	**78**		0.71	1	09/26/2024 12:57
Lead	**12**		0.71	1	09/26/2024 12:57
Mercury	ND	H	0.071	1	09/26/2024 12:57
Molybdenum	**1.2**		0.71	1	09/26/2024 12:57
Nickel	**380**		0.71	1	09/26/2024 12:57
Selenium	ND		0.71	1	09/26/2024 12:57
Silver	ND		0.71	1	09/26/2024 12:57
Thallium	ND		0.71	1	09/26/2024 12:57
Vanadium	**78**		0.71	1	09/26/2024 12:57
Zinc	**100**		7.1	1	09/26/2024 12:57

Surrogates	REC (%)	Limits	
Terbium	104	70-130	09/26/2024 12:57

Analyst(s): WV

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	09/20/2024-09/24/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-5	2408K98-042A	Soil	08/22/2024 10:50	ICP-MS4 1089SMPL.d	302559

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	ND		0.64	1	09/26/2024 13:01
Arsenic	**6.9**		0.64	1	09/26/2024 13:01
Barium	**110**		6.4	1	09/26/2024 13:01
Beryllium	**0.96**		0.64	1	09/26/2024 13:01
Cadmium	ND		0.64	1	09/26/2024 13:01
Chromium	**40**		0.64	1	09/26/2024 13:01
Cobalt	**7.1**		0.64	1	09/26/2024 13:01
Copper	**51**		0.64	1	09/26/2024 13:01
Lead	**6.6**		0.64	1	09/26/2024 13:01
Mercury	**0.19**	H	0.064	1	09/26/2024 13:01
Molybdenum	ND		0.64	1	09/26/2024 13:01
Nickel	**120**		0.64	1	09/26/2024 13:01
Selenium	ND		0.64	1	09/26/2024 13:01
Silver	ND		0.64	1	09/26/2024 13:01
Thallium	ND		0.64	1	09/26/2024 13:01
Vanadium	**64**		0.64	1	09/26/2024 13:01
Zinc	**87**		6.4	1	09/26/2024 13:01

Surrogates	REC (%)	Limits	
Terbium	108	70-130	09/26/2024 13:01

Analyst(s): WV

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3050B
Date Prepared:	09/20/2024-09/24/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/Kg-dry

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-3	2408K98-047A	Soil	08/23/2024 10:55	ICP-MS4 1090SMPL.d	302559

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	**0.69**		0.64	1	09/26/2024 13:05
Arsenic	**6.5**		0.64	1	09/26/2024 13:05
Barium	**150**		6.4	1	09/26/2024 13:05
Beryllium	**0.85**		0.64	1	09/26/2024 13:05
Cadmium	ND		0.64	1	09/26/2024 13:05
Chromium	**320**		0.64	1	09/26/2024 13:05
Cobalt	**26**		0.64	1	09/26/2024 13:05
Copper	**44**		0.64	1	09/26/2024 13:05
Lead	**15**		0.64	1	09/26/2024 13:05
Mercury	**0.099**	H	0.064	1	09/26/2024 13:05
Molybdenum	**1.5**		0.64	1	09/26/2024 13:05
Nickel	**310**		0.64	1	09/26/2024 13:05
Selenium	ND		0.64	1	09/26/2024 13:05
Silver	ND		0.64	1	09/26/2024 13:05
Thallium	ND		0.64	1	09/26/2024 13:05
Vanadium	**110**		0.64	1	09/26/2024 13:05
Zinc	**61**		6.4	1	09/26/2024 13:05

Surrogates	REC (%)	Limits	
Terbium	107	70-130	09/26/2024 13:05

Analyst(s): WV

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	ASTM D2216
Date Prepared:	09/30/2024-10/01/2024	**Analytical Method:**	SW8000
Project:	750680202; SLO Courthouse	**Unit:**	wet wt%

Percent Moisture

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-3.0	2408K98-007A	Soil	08/23/2024 11:58	WetChem	303013

Analytes	Result	RL	Date Analyzed
% Moisture	**12.6**	0.100	10/01/2024 13:40

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-7.0	2408K98-009A	Soil	08/23/2024 12:10	WetChem	302929

Analytes	Result	RL	Date Analyzed
% Moisture	**14.7**	0.100	09/30/2024 12:25

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-5.0	2408K98-014A	Soil	08/23/2024 08:40	WetChem	302929

Analytes	Result	RL	Date Analyzed
% Moisture	**19.9**	0.100	09/30/2024 12:35

Analyst(s): ISH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	ASTM D2216
Date Prepared:	09/30/2024-10/01/2024	**Analytical Method:**	SW8000
Project:	750680202; SLO Courthouse	**Unit:**	wet wt%

Percent Moisture

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-3.0	2408K98-018A	Soil	08/22/2024 09:40	WetChem	302929

Analytes	Result	RL	Date Analyzed
% Moisture	**25.0**	0.100	09/30/2024 12:40

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-7.0	2408K98-019A	Soil	08/22/2024 09:48	WetChem	303013

Analytes	Result	RL	Date Analyzed
% Moisture	**15.6**	0.100	10/01/2024 13:45

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-5.0	2408K98-023A	Soil	08/23/2024 08:03	WetChem	303013

Analytes	Result	RL	Date Analyzed
% Moisture	**21.1**	0.100	10/01/2024 13:50

Analyst(s): ISH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	ASTM D2216
Date Prepared:	09/30/2024-10/01/2024	**Analytical Method:**	SW8000
Project:	750680202; SLO Courthouse	**Unit:**	wet wt%

Percent Moisture

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-5	2408K98-036A	Soil	08/22/2024 13:50	WetChem	302929

Analytes	Result	RL	Date Analyzed
% Moisture	**29.6**	0.100	09/30/2024 12:45

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-8-5	2408K98-042A	Soil	08/22/2024 10:50	WetChem	302929

Analytes	Result	RL	Date Analyzed
% Moisture	**22.2**	0.100	09/30/2024 12:50

Analyst(s): ISH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-3	2408K98-047A	Soil	08/23/2024 10:55	WetChem	302929

Analytes	Result	RL	Date Analyzed
% Moisture	**21.9**	0.100	09/30/2024 12:55

Analyst(s): ISH

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/20/2024	**BatchID:**	302280
Date Analyzed:	09/20/2024	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-302280

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.10	0.50	-	-	-
Arsenic	ND	0.084	0.50	-	-	-
Barium	ND	0.73	5.0	-	-	-
Beryllium	ND	0.086	0.50	-	-	-
Cadmium	ND	0.080	0.50	-	-	-
Chromium	ND	0.17	0.50	-	-	-
Cobalt	ND	0.063	0.50	-	-	-
Copper	ND	0.19	0.50	-	-	-
Lead	ND	0.089	0.50	-	-	-
Mercury	ND	0.039	0.050	-	-	-
Molybdenum	ND	0.093	0.50	-	-	-
Nickel	ND	0.28	0.50	-	-	-
Selenium	ND	0.21	0.50	-	-	-
Silver	ND	0.084	0.50	-	-	-
Thallium	ND	0.073	0.50	-	-	-
Vanadium	ND	0.097	0.50	-	-	-
Zinc	ND	1.8	5.0	-	-	-
Surrogate Recovery						
Terbium	550			500	110	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/20/2024	**BatchID:**	302280
Date Analyzed:	09/20/2024	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-302280

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	49	51	50	98	101	75-125	3.32	20
Arsenic	50	51	50	101	101	75-125	0.645	20
Barium	520	520	500	103	105	75-125	1.39	20
Beryllium	47	48	50	93	96	75-125	3.33	20
Cadmium	51	52	50	102	104	75-125	1.97	20
Chromium	52	53	50	105	106	75-125	1.63	20
Cobalt	52	53	50	104	106	75-125	2.45	20
Copper	51	53	50	103	106	75-125	2.91	20
Lead	51	51	50	101	103	75-125	1.60	20
Mercury	1.2	1.3	1.25	96	102	75-125	5.66	20
Molybdenum	49	51	50	98	101	75-125	2.60	20
Nickel	52	52	50	103	105	75-125	1.49	20
Selenium	50	52	50	101	104	75-125	2.51	20
Silver	49	50	50	97	100	75-125	2.95	20
Thallium	52	52	50	104	105	75-125	0.986	20
Vanadium	51	53	50	103	106	75-125	2.61	20
Zinc	510	520	500	101	104	75-125	2.50	20
Surrogate Recovery								
Terbium	530	530	500	105	107	70-130	1.35	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/20/2024	**BatchID:**	302297
Date Analyzed:	09/23/2024	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4, ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-302297

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.10	0.50	-	-	-
Arsenic	ND	0.084	0.50	-	-	-
Barium	ND	0.73	5.0	-	-	-
Beryllium	ND	0.086	0.50	-	-	-
Cadmium	ND	0.080	0.50	-	-	-
Chromium	ND	0.17	0.50	-	-	-
Cobalt	ND	0.063	0.50	-	-	-
Copper	ND	0.19	0.50	-	-	-
Lead	ND	0.089	0.50	-	-	-
Mercury	ND	0.039	0.050	-	-	-
Molybdenum	ND	0.093	0.50	-	-	-
Nickel	ND	0.28	0.50	-	-	-
Selenium	ND	0.21	0.50	-	-	-
Silver	ND	0.084	0.50	-	-	-
Thallium	ND	0.073	0.50	-	-	-
Vanadium	ND	0.097	0.50	-	-	-
Zinc	ND	1.8	5.0	-	-	-
Surrogate Recovery						
Terbium	500			500	100	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/20/2024	**BatchID:**	302297
Date Analyzed:	09/23/2024	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4, ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-302297

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	51	49	50	103	98	75-125	4.80	20
Arsenic	51	50	50	103	100	75-125	2.94	20
Barium	520	500	500	104	99	75-125	4.93	20
Beryllium	52	50	50	103	100	75-125	3.50	20
Cadmium	51	49	50	102	99	75-125	3.23	20
Chromium	51	50	50	102	100	75-125	1.79	20
Cobalt	50	48	50	99	96	75-125	3.13	20
Copper	53	51	50	105	101	75-125	4.01	20
Lead	50	49	50	101	99	75-125	1.96	20
Mercury	1.3	1.3	1.25	106	104	75-125	1.82	20
Molybdenum	51	49	50	102	98	75-125	4.32	20
Nickel	53	50	50	105	101	75-125	4.21	20
Selenium	52	49	50	103	98	75-125	4.81	20
Silver	48	47	50	96	93	75-125	3.39	20
Thallium	52	51	50	104	102	75-125	2.20	20
Vanadium	51	50	50	103	100	75-125	2.58	20
Zinc	520	500	500	104	100	75-125	4.61	20
Surrogate Recovery								
Terbium	520	520	500	105	105	70-130	0.321	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/24/2024	**BatchID:**	302559
Date Analyzed:	09/25/2024	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4, ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-302559

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.10	0.50	-	-	-
Arsenic	ND	0.084	0.50	-	-	-
Barium	ND	0.73	5.0	-	-	-
Beryllium	ND	0.086	0.50	-	-	-
Cadmium	ND	0.080	0.50	-	-	-
Chromium	ND	0.17	0.50	-	-	-
Cobalt	ND	0.063	0.50	-	-	-
Copper	ND	0.19	0.50	-	-	-
Lead	ND	0.089	0.50	-	-	-
Mercury	ND	0.039	0.050	-	-	-
Molybdenum	ND	0.093	0.50	-	-	-
Nickel	ND	0.28	0.50	-	-	-
Selenium	ND	0.21	0.50	-	-	-
Silver	ND	0.084	0.50	-	-	-
Thallium	ND	0.073	0.50	-	-	-
Vanadium	ND	0.097	0.50	-	-	-
Zinc	ND	1.8	5.0	-	-	-
Surrogate Recovery						
Terbium	500			500	101	70-130

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/24/2024	**BatchID:**	302559
Date Analyzed:	09/25/2024	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4, ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-302559

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	51	51	50	103	101	75-125	1.75	20
Arsenic	52	51	50	103	102	75-125	1.52	20
Barium	510	500	500	102	101	75-125	0.890	20
Beryllium	51	52	50	103	103	75-125	0.130	20
Cadmium	51	50	50	102	99	75-125	3.15	20
Chromium	51	51	50	102	101	75-125	0.473	20
Cobalt	49	49	50	98	99	75-125	0.329	20
Copper	52	51	50	104	101	75-125	2.29	20
Lead	49	48	50	98	97	75-125	1.33	20
Mercury	1.2	1.2	1.25	99	98	75-125	0.325	20
Molybdenum	50	49	50	100	99	75-125	1.81	20
Nickel	53	51	50	105	101	75-125	3.52	20
Selenium	52	51	50	105	103	75-125	1.69	20
Silver	51	51	50	102	101	75-125	0.543	20
Thallium	50	50	50	101	100	75-125	1.26	20
Vanadium	51	50	50	102	100	75-125	2.69	20
Zinc	520	510	500	104	101	75-125	2.95	20
Surrogate Recovery								
Terbium	530	520	500	106	105	70-130	1.23	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/30/2024	**BatchID:**	302929
Date Analyzed:	09/30/2024	**Extraction Method:**	ASTM D2216
Instrument:	WetChem	**Analytical Method:**	SW8000
Matrix:	Soil	**Unit:**	wet wt%
Project:	750680202; SLO Courthouse	**Sample ID:**	MB-302929

QC Summary Report for Percent Moisture

Analyte	MB Result	MDL	RL			
% Moisture	ND	0.100	0.100	-	-	-

(Cont.)

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	10/01/2024	**BatchID:**	303013
Date Analyzed:	10/01/2024	**Extraction Method:**	ASTM D2216
Instrument:	WetChem	**Analytical Method:**	SW8000
Matrix:	Soil	**Unit:**	wet wt%
Project:	750680202; SLO Courthouse	**Sample ID:**	MB-303013

QC Summary Report for Percent Moisture

Analyte	MB Result	MDL	RL			
% Moisture	ND	0.100	0.100	-	-	-

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 D **ClientCode: TWRF**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Excel

Report to:
Brendan Hayward
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5241 FAX: (415) 955-9041

Email: bhayward@langan.com
cc/3rd Party: tgallagher@langan.com; abrown@langan.c
PO:
Project: 750680202; SLO Courthouse

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolution

Requested TAT: **5 days;**

Date Received: **08/26/2024**
Date Logged: **08/28/2024**
Date Add-On: **09/19/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
2408K98-007	EB-3-3.0	Soil	8/23/2024 11:58	☐	A											
2408K98-009	EB-3-7.0	Soil	8/23/2024 12:10	☐	A											
2408K98-014	EB-4-5.0	Soil	8/23/2024 08:40	☐	A											
2408K98-018	EB-5-3.0	Soil	8/22/2024 09:40	☐	A											
2408K98-019	EB-5-7.0	Soil	8/22/2024 09:48	☐	A											
2408K98-023	EB-6-5.0	Soil	8/23/2024 08:03	☐	A											
2408K98-036	B-7-5	Soil	8/22/2024 13:50	☐	A											
2408K98-042	B-8-5	Soil	8/22/2024 10:50	☐	A											
2408K98-047	B-9-3	Soil	8/23/2024 10:55	☐	A											

Test Legend:

1	CAM17MS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Valerie Alfaro

Add-On Prepared By: Adrianna Cardoza

Comments: Last page is Addon A now. Client wants it reported out separtely 8/29/2024. STLC & TCLPs added 9/5/2024 STAT. Added Cam17 STD 9/19/24.

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email bhayward@langan.com

Project: 750680202; SLO Courthouse

Comments: Last page is Addon A now. Client wants it reported out separtely 8/29/2024. STLC & TCLPs added 9/5/2024 STAT. Added Cam17 STD 9/19/24

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024
Date Add-On: 9/19/2024

LabID	ClientSampID	Matrix	Test Name	Cont. /Comp	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
007A	EB-3-3.0	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 11:58	5 days	9/26/2024		☐	☐
009A	EB-3-7.0	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 12:10	5 days	9/26/2024		☐	☐
014A	EB-4-5.0	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:40	5 days	9/26/2024		☐	☐
018A	EB-5-3.0	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 9:40	5 days	9/26/2024		☐	☐
019A	EB-5-7.0	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 9:48	5 days	9/26/2024		☐	☐
023A	EB-6-5.0	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:03	5 days	9/26/2024		☐	☐
036A	B-7-5	Soil	SW6020 (CAM 17)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 13:50	5 days	9/26/2024		☐	☐
042A	B-8-5	Soil	SW6020 (CAM 17)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 10:50	5 days	9/26/2024		☐	☐
047A	B-9-3	Soil	SW6020 (CAM 17)	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/23/2024 10:55	5 days	9/26/2024		☐	☐

NOTES: *** STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont. / Comp. = Containers /Composites

15080 2408K98

LANGAN

CHAIN OF CUSTODY RECORD

- [X] 135 Main Street, Suite 1500, San Francisco, CA 94105
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TA, MA
Recorder (Signature Required): Tessa Gallagher

Turnaround Time: ~~Standard~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH g, d, mo	VOCs	SVOCs	OCPs	PCBs	CAM 17	Total Lead	pH	Asbestos	Percent Moisture	Silica gel clean-up	Hold	Remarks
EB-1-1.0	8/22/24	1159		X							X	X	X	X	X	X	X	X	X	X	X			*ESLs & Dry Weight
EB-1-3.0	↓	1201		X							X												X	Confirmed per ~~email~~ phone call VA 8/28/24
EB-1-5.0		1207		X							X	X					X		X	X	X			no pH at EB-1-5.0
~~EB-1-7.0~~																								no total lead
~~EB-1-~~																								
EB-2-1.0	8/22/24	1431		X							X												X	
EB-2-3.0	↓	1435		X							X	X	X	X	X	X	X	X	X	X	X			
EB-2-5.0		1456		X							X	X					X		X	X	X			no pH at EB-2-5.0
EB-3-3.0	8/23/24	1158		X							X						X						X	
EB-3-5.0		1205		X							X	X	X	X	X	X	X	X	X	X	X			cc: Adam Brown abrown@langan.com
EB-3-7.0		1210		X							X						X						X	Tessa Gallagher tgallagher@langan.com
~~EB-3-10.0~~																								
EB-3-8.5	8/23/24	1230		X							X	X					X			X	X			
~~EB-4-10.0~~																								

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
Tessa Gallagher	8/24/2024	1540		8/26/24	1200
Relinquished by: (Signature)	Date: 8/26/24	Time 1630	Received by: (Signature)	Date 8/26/24	Time 1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

-Added 9.19.24-

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number:

1.6" wet

#Got the OK to sub TPH-gas per phone call w/ Brendan. VA. 8/28/24
*Carb cancelled on EB-3-5.0 per email. VA- 8/29/24

IPLS

15081 24081K98

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- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required): Tessa Gallagher

Turnaround Time: ~~Standard~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	TPHg, d, me	VOCs	SVOCs	OCPs	PCBs	CAM 17	Total Lead	pH	Asbestos	Percent Moisture		Silica gel clean-up	Hold	Remarks
EB-3-1.0	8/23/24	1157		X							X	X					X			X	X				
EB-4-1.0	8/23/24	0837		X							X	X					X				X				don't hold EB-4-1.0
EB-4-3.0	↓	0839		X							X	X					X			X	X				
EB-4-5.0		0840		X							X						X						X		
EB-4-7.0		0845		X							X	X	X	X	X	X	X	X	X	X	X				
EB-4-10.0	↓	0846		X							X													X	
EB-5-1.0	8/22/24	0938		X							X	X					X			X	X				cc: Adam Braun abraun@langan.com
~~EB-5-2.0~~				X							X														
EB-5-3.0		0940		X							X						X							X	Tessa Gallagher tgallagher@langan.com
EB-5-7.0		0948		X							X						X							X	
EB-5-10.0	↓	0953		X							X	X	X	X	X	X	X	X	X	X	X				
EB-6-1.0	8/23/24	0757		X							X	X	X	X	X	X	X	X	X	X	X				
EB-6-3.0	↓	0800		X							X	X	*	*	*	*	X	*			X				no total lead
EB-6-5.0	↓	0803		X							X						X							X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Tessa Gallagher	8/24/24	1540	MA	8/26/24	1200
MA	8/26/24	1630		8/26/24	1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

*Added analysis per client email. VA. 8/29/24

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

16676 2408K98

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- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required): [signature]

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPHg, d, mo	VOCs	SVOCs	OCPs	PCBs	CAM 17	Total Lead	pH	Asbestos	Percent Moisture			Silica gel clean-up	Hold	Remarks
B-7-1	8/22/24	1:20 PM		X							X	X	X	X	X	X	X	X	X	X	X					no total lead
B-7-3		~~1:25~~ 1:26PM		X							X						X								X	
B-7-5		1:50PM		X							X						X								X	cc: Adam Brown
B-7-7		2:12PM		X							X														X	abrown@langan.com
B-7-10		2:20PM		X							X	X					X			X	X					Tessa Gallagher
B-7-15		2:35 PM		X							X														X	tgallagher@langan.com
B-8-1	8/22/24	1017		X							X	X					X				X					
B-8-3		1025		X							X	X	X	X	X	X	X	X	X	X	X					
B-8-5		1050		X							X						X								X	
B-8-7		1056		X							X	X					X			X	X					
B-8-10		1105																							X	
B-8-15		1115																							X	

Relinquished by: (Signature) [signature]	Date: 8/24/24	Time 1540	Received by: (Signature) [signature]	Date 8/26/24	Time 1200
Relinquished by: (Signature) [signature]	Date: 8/26/24	Time 1630	Received by: (Signature) [signature]	Date 8/26/24	Time 1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature) [signature]	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

16675 240814 98

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- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required):

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPHg/d/mo	VOCs	SVOCs	OCPs	PCBs	CAM 17	pH	Asbestos	Percent Moisture				Silica gel clean-up	Hold	Remarks
B-9-1	8/23/24	10:50 AM		X							X		X					X			X						
~~B-9-2~~				X							X															X	cc: Adam Brown
B-9-3	8/23/24	10:55 AM		X							X							X								X	abrown@langan.com
B-9-5	8/23/24	11:10 AM		X							X		X	X	X	X	X	X	X	X	X						Tessa Gallagher
B-9-7	8/23/24	11:20 AM		X							X															X	tgallagher@langan.com
B-9-10	8/23/24	11:25 AM		X							X															X	
B-9-15	8/23/24	11:35 AM		X							X															X	
B-10-1	8/22/24	4:05 PM		X							X		X	X	X	X	X	X	X	X	X						
B-10-3	8/22/24	4:10 PM		X							X															X	
B-10-5	8/22/24	4:15 PM		X							X		X					X			X						
B-10-7	8/22/24	~~4:45 PM~~ 4:30PM		X							X															X	
B-10-10	8/22/24	4:45 PM		X							X															X	
B-10-15	8/23/24	07:40																								X	

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	8/24/24	1540	MA*	8/26/24	1200
MA*	8/26/24	1630		8/26/24	1630

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

*Time per container. MA.

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2408K98 E

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Brendan Hayward
Project P.O.:
Project: 750680202; SLO Courthouse

Project Location:
Project Received: 08/26/2024

Analytical Report reviewed & approved for release on 10/08/2024 by:

Christine Askari
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2408K98 E

Project: 750680202; SLO Courthouse

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range
SPK Val	Spike Value

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2408K98 E

Project: 750680202; SLO Courthouse

SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	10/05/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-3.0	2408K98-007A	Soil	08/23/2024 11:58	ICP-MS5 135SMPL.d	303374

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.25**	0.10	1	10/07/2024 15:12

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-7.0	2408K98-009A	Soil	08/23/2024 12:10	ICP-MS5 132SMPL.d	303374

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.12**	0.10	1	10/07/2024 15:01
Nickel	**3.1**	0.10	1	10/07/2024 15:01

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-5.0	2408K98-014A	Soil	08/23/2024 08:40	ICP-MS5 185SMPL.d	303374

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.17**	0.10	1	10/07/2024 20:37
Nickel	**1.4**	0.10	1	10/07/2024 20:37

Analyst(s): DB

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	10/05/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-3.0	2408K98-018A	Soil	08/22/2024 09:40	ICP-MS5 191SMPL.d	303374

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.30**	0.10	1	10/07/2024 20:59
Nickel	**2.0**	0.10	1	10/07/2024 20:59

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-7.0	2408K98-019A	Soil	08/22/2024 09:48	ICP-MS5 138SMPL.d	303374

Analytes	Result	RL	DF	Date Analyzed
Nickel	**1.6**	0.10	1	10/07/2024 15:23

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-5.0	2408K98-023A	Soil	08/23/2024 08:03	ICP-MS5 186SMPL.d	303374

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.37**	0.10	1	10/07/2024 20:41
Nickel	**0.91**	0.10	1	10/07/2024 20:41

Analyst(s): DB

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CA Title 22
Date Prepared:	10/05/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-7-5	2408K98-036A	Soil	08/22/2024 13:50	ICP-MS5 187SMPL.d	303374

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.23**	0.10	1	10/07/2024 20:44
Nickel	**4.1**	0.10	1	10/07/2024 20:44

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-3	2408K98-047A	Soil	08/23/2024 10:55	ICP-MS5 190SMPL.d	303374

Analytes	Result	RL	DF	Date Analyzed
Chromium	**3.2**	0.10	1	10/07/2024 20:55
Nickel	**3.9**	0.10	1	10/07/2024 20:55

Analyst(s): DB

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW1311/SW3010
Date Prepared:	10/03/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-3.0	2408K98-007A	Soil	08/23/2024 11:58	ICP-MS4 265SMPL.d	303193

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	10/04/2024 23:39

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-7.0	2408K98-009A	Soil	08/23/2024 12:10	ICP-MS4 266SMPL.d	303193

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	10/04/2024 23:43

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-4-5.0	2408K98-014A	Soil	08/23/2024 08:40	ICP-MS4 249SMPL.d	303193

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	10/04/2024 22:35

Analyst(s): AL

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW1311/SW3010
Date Prepared:	10/03/2024	**Analytical Method:**	SW6020
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-3.0	2408K98-018A	Soil	08/22/2024 09:40	ICP-MS4 267SMPL.d	303193

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	10/04/2024 23:47

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-6-5.0	2408K98-023A	Soil	08/23/2024 08:03	ICP-MS4 268SMPL.d	303193

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	10/04/2024 23:51

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-9-3	2408K98-047A	Soil	08/23/2024 10:55	ICP-MS4 271SMPL.d	303193

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	10/05/2024 00:04

Analyst(s): AL

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	10/05/2024	**BatchID:**	303374
Date Analyzed:	10/07/2024	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-303374

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.10	0.10	-	-	-
Nickel	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	10	10	10	101	100	75-125	1.09	20
Nickel	10	10	10	101	102	75-125	0.876	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	10/03/2024	**BatchID:**	303193
Date Analyzed:	10/04/2024	**Extraction Method:**	SW1311/SW3010
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-303193

QC Summary Report for Metals (TCLP)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.10	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	10	10	10	101	100	75-125	0.856	20

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 E **ClientCode: TWRF**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Excel

Report to:
Brendan Hayward
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 955-5241 FAX: (415) 955-9041

Email: bhayward@langan.com
cc/3rd Party: tgallagher@langan.com; abrown@langan.c
PO:
Project: 750680202; SLO Courthouse

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: **3 days;**

Date Received: **08/26/2024**
Date Logged: **08/28/2024**
Date Add-On: **10/02/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2408K98-007	EB-3-3.0	Soil	8/23/2024 11:58	☐	A	A										
2408K98-009	EB-3-7.0	Soil	8/23/2024 12:10	☐	A	A										
2408K98-014	EB-4-5.0	Soil	8/23/2024 08:40	☐	A	A										
2408K98-018	EB-5-3.0	Soil	8/22/2024 09:40	☐	A	A										
2408K98-019	EB-5-7.0	Soil	8/22/2024 09:48	☐	A											
2408K98-023	EB-6-5.0	Soil	8/23/2024 08:03	☐	A	A										
2408K98-036	B-7-5	Soil	8/22/2024 13:50	☐	A											
2408K98-047	B-9-3	Soil	8/23/2024 10:55	☐	A	A										

Test Legend:

1	METALSMS_STLC_S	2	METALSMS_TCLP_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Valerie Alfaro

Add-On Prepared By: Adrianna Cardoza

Comments: Last page is Addon A now. Client wants it reported out separtely 8/29/2024. STLC & TCLPs added 9/5/2024 STAT. Added Cam17 STD 9/19/24. Added rush Permoist w/ STD Pricing 9/26/24. Added STLC/TCLP STD 10/2/24. Added STLC/TCLP 10/3/24.

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email bhayward@langan.com

Project: 750680202; SLO Courthouse

Comments: Last page is Addon A now. Client wants it reported out separtely 8/29/2024. STLC & TCLPs added 9/5/2024 STAT. Added Cam17 STD 9/19/24. Added rush Permoist w/ STD Pricing 9/26/24

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024
Date Add-On: 10/2/2024

LabID	ClientSampID	Matrix	Test Name	Cont. /Comp	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
007A	EB-3-3.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 11:58	3 days*	10/9/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium>			☐	☐	☑		3 days*	10/9/2024		☐	☐
009A	EB-3-7.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 12:10	3 days*	10/9/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		3 days*	10/9/2024		☐	☐
014A	EB-4-5.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:40	3 days*	10/9/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		3 days*	10/9/2024		☐	☐
018A	EB-5-3.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 9:40	3 days*	10/9/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		3 days*	10/9/2024		☐	☐
019A	EB-5-7.0	Soil	SW6020 (Metals) (STLC) <Nickel>	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 9:48	3 days*	10/9/2024		☐	☐
023A	EB-6-5.0	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 8:03	3 days*	10/9/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		3 days*	10/9/2024		☐	☐
036A	B-7-5	Soil	SW6020 (Metals) (STLC) <Chromium, Nickel>	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/22/2024 13:50	3 days*	10/9/2024		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont. / Comp. = Containers /Composites

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email bhayward@langan.com

Project: 750680202; SLO Courthouse

Comments: Last page is Addon A now. Client wants it reported out separtely 8/29/2024. STLC & TCLPs added 9/5/2024 STAT. Added Cam17 STD 9/19/24. Added rush Permoist w/ STD Pricing 9/26/24

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024
Date Add-On: 10/2/2024

LabID	ClientSampID	Matrix	Test Name	Cont. /Comp	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
047A	B-9-3	Soil	SW6020 (Metals) (TCLP) <Chromium>	1	Stainless Steel tube 2"x6"	☐	☐	☑	8/23/2024 10:55	3 days*	10/9/2024		☐	☐
			SW6020 (Metals) (STLC) <Chromium, Nickel>			☐	☐	☑		3 days*	10/9/2024		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont. / Comp. = Containers /Composites

15080 240815198

LANGAN

CHAIN OF CUSTODY RECORD

- [X] 135 Main Street, Suite 1500, San Francisco, CA 94105
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7992
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750610202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: To, MA
Recorder (Signature Required):

Turnaround Time: ~~Standard~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested	Silica gel clean-up	Hold	Remarks
EB-1-1.0	8/22/24	1159		X							X		TPHg, d, mo; VOCs; SVOCs; OCPs; PCBs; CAM17; Total Lead; pH; Asbestos; Percent Moisture; STLC; TCLP			*ESLs & Dry Weight
EB-1-3.0	↓	1201		X							X				X	Confirmed per ~~email~~ phone call V.A. 8/29/24
EB-1-5.0		1207		X							X		X			no pH at EB-1-5.0
~~EB-1-7.0~~																no total lead
~~EB-1-~~																
EB-2-1.0	8/22/24	1431		X							X				X	
EB-2-3.0	↓	1435		X							X		X			
EB-2-5.0		1456		X							X		X			no pH at EB-2-5.0
EB-3-3.0	8/23/24	1158		X							X				X	
EB-3-5.0		1205		X							X		X			cc: Adam Braun abraun@langan.com
EB-3-7.0		1210		X							X				X	Tessa Gallagher tgallagher@langan.com
~~EB-3-10.0~~																
EB-3-8.5	8/23/24	1230		X							X		X			
~~EB-4-10.0~~																

Relinquished by: (Signature) Tessa Gallagher	Date: 8/24/2024	Time 1540	Received by: (Signature)	Date 8/26/24	Time 1200
Relinquished by: (Signature)	Date: 8/26/24	Time 1630	Received by: (Signature)	Date 8/26/24	Time 1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

COC Number:

-Added 9.19.24- 1.6 wt

-Added 10.2.24- TPHg

*Got the OK to sub TPH-gas per phone call w/ Brendan, VA. 8/23/24
*Carb cancelled on EB-3-5.0 per email. VA - 8/29/24

15081 24081K98

LANGAN

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- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 730680202
Project Manager\Contact: Brendan Haynard bhaynard@langan.com
Samplers: TG, MA
Recorder (Signature Required): Tessa Gallagher

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPHg-d-mo	VOCs	SVOCs	OCPs	PCBs	CAM17	Total Lead	pH	Asbestos	Percent Moisture	STLC	TCLP	Silica gel clean-up	Hold	Remarks
EB-3-1.0	8/23/24	1157		X							X	X					X			X	X					
EB-4-1.0	8/23/24	0837		X							X	X					X			X	X				X	don't hold for 4-1.0
EB-4-3.0		0839		X							X	X					X			X	X					
EB-4-5.0		0840		X							X						X					X	X		X	
EB-4-7.0		0845		X							X	X	X	X	X	X	X	X	X	X	X					
EB-4-10.0		0846		X							X														X	
EB-5-1.0	8/22/24	0933		X							X	X					X			X	X					cc: Adam Braun abraun@langan.com
~~EB-5-2.0~~				X							X															Tessa Gallagher tgallagher@langan.com
EB-5-3.0		0940		X							X						X					X	X		X	
EB-5-7.0		0949		X							X						X					X	X		X	
EB-5-10.0		0953		X							X	X	X	X	X	X	X	X	X	X	X					
EB-6-1.0	8/23/24	0757		X							X	X	X	X	X	X	X	X	X	X	X					
EB-6-3.0		0800		X							X	X	X	X	X	X	X		X		X					no total lead
EB-6-5.0		0803		X							X						X					X	X		X	

	Date	Time	Received by	Date	Time
Relinquished by: (Signature) Tessa Gallagher	8/24/24	1540	Received by: (Signature) MA	8/26/24	1200
Relinquished by: (Signature)	8/26/24	1630	Received by: (Signature)	8/26/24	1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

*Added analysis per client email. VA. 8/29/24

16676 D108K98

LANGAN

CHAIN OF CUSTODY RECORD

- [X] 135 Main Street, Suite 1500, San Francisco, CA 94105
- [ ] 501 14th Street, Third Floor, Oakland, CA 94612
- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required): Tessa Gallagher

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	TPH-g, d, mo	VOCs	SVOCs	OCPs	PCBs	CAM 17	Total Lead	pH	Asbestos	Percent Moisture	STLC	TCLP	Silica gel clean-up	Hold	Remarks
B-7-1	8/22/24	1:20 PM		X							X	X	X	X	X	X	X	X	X	X						no total lead
B-7-3		1:40PM		X							X														X	
B-7-5		1:50PM		X							X						X				X			X	cc: Adam Brown
B-7-7		2:02PM		X							X													X	abrown@langan.com
B-7-10		2:20PM		X							X	X					X		X	X					Tessa Gallagher
B-7-15		2:35 PM		X							X													X	tgallagher@langan.com
B-8-1	8/22/24	1017		X							X						X			X					
B-8-3		10:25		X							X	X	X	X	X	X			X	X					
B-8-5		1050		X							X						X							X	
B-8-7		1056		X							X	X					X			X					
B-8-10		1105																						X	
B-8-15		1115																						X	

Relinquished by: (Signature) Tessa Gallagher	Date: 8/24/24	Time 1540	Received by: (Signature) [illegible]
Relinquished by: (Signature) [illegible]	Date: 8/26/24	Time 1630	Received by: (Signature) [illegible]
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature) [illegible]

Received by: (Signature) [illegible]	Date 8/26/24 Time 1200
Received by: (Signature) [illegible]	Date 8/26/24 Time 1630
Received by Lab: (Signature) [illegible]	Date Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

16675 2408K98

LANGAN

CHAIN OF CUSTODY RECORD

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☐ 501 14th Street, Third Floor, Oakland, CA 94612
☐ 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
☐ 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 350680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required):

Turnaround Time: Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPHg/d/mo	VOCs	SVOCs	OCPs	PCBs	CAM 17	pH	Asbestos	Percent Moisture	STLC	TCLP	Silica gel clean-up	Hold	Remarks
B-9-1	8/23/24	10:50AM		X							X		X					X			X					
B-9-2				X							X														X	cc: Adam Brown
B-9-3	8/23/24	1055AM		X							X							X				X	H		X	abrown@langan.com
B-9-5	8/23/24	11:10 AM		X							X		X	X	X	X	X	X	X	X	X					Tessa Gallagher
B-9-7	8/23/24	1120 AM		X							X														X	tgallagher@langan.com
B-9-10	8/23/24	11:25 AM		X							X														X	
B-9-15	8/23/24	16:35AM		X							X														X	
B-10-1	8/22/24	4:05 PM		X							X		X	X	X	X	X	X	X	X	X					
B-10-3	8/22/24	4:10 PM		X							X														X	
B-10-5	8/22/24	4:15 PM		X							X		X					X			X					
B-10-7	8/22/24	~~4:45 PM~~ 4:30PM		X							X														X	
B-10-10	8/22/24	4:45 PM		X							X														X	
B-10-15	8/23/24	07:40																							X	

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	8/24/24	1540		8/24/24	1200
Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date	Time
	8/26/24	1630		8/26/24	1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: ☐ Lab courier ☐ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

* Time per container, MA.

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2408K98 F

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Brendan Hayward
Project P.O.:
Project: 750680202; SLO Courthouse

Project Location:
Project Received: 08/26/2024

Analytical Report reviewed & approved for release on 10/10/2024 by:

Jena Alfaro
Project Manager

McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.

McCampbell Analytical, Inc.
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2408K98 F

Project: 750680202; SLO Courthouse

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range
SPK Val	Spike Value

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2408K98 F

Project: 750680202; SLO Courthouse

SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

k10	CARB 435 Exception 1 - No asbestos detected. The limit of quantitation (LOQ) = 0.25%.

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	CARB 435 Asbestos
Date Prepared:	10/10/2024	**Analytical Method:**	435 CARB
Project:	750680202; SLO Courthouse	**Unit:**	%

Asbestos (CARB 435) 400 Point Count

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-3-5.0	2408K98-008A	Soil	08/23/2024 12:05	Microscope	303750

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	10/10/2024 10:30

Analyst(s): DA

Analytical Comments: k10

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-5-5.0	2408K98-024A	Soil	08/22/2024 09:44	Microscope	303750

Analytes	Result	RL	DF	Date Analyzed
Asbestos	ND	0.25	1	10/10/2024 10:45

Analyst(s): DA

Analytical Comments: k10

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 F **ClientCode: TWRF**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Excel

Report to:
Brendan Hayward
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(408) 283-3600 FAX: (415) 955-9041

Email: bhayward@langan.com
cc/3rd Party: tgallagher@langan.com; abrown@langan.c
PO:
Project: 750680202; SLO Courthouse

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolution

Requested TAT: **1 day;**

Date Received: **08/26/2024**
Date Logged: **08/28/2024**
Date Add-On: **10/08/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
2408K98-008	EB-3-5.0	Soil	8/23/2024 12:05	☐	A											
2408K98-024	EB-5-5.0	Soil	8/22/2024 09:44	☐	A											

Test Legend:

1	CARB435_400	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Valerie Alfaro

Add-On Prepared By: Adrianna Cardoza

Comments: Last page is Addon A now. Client wants it reported out separtely 8/29/2024. STLC & TCLPs added 9/5/2024 STAT. Added Cam17 STD 9/19/24. Added rush Permoist w/ STD Pricing 9/26/24. Added STLC/TCLP STD 10/2/24. Added STLC/TCLP 10/3/24. Added Carb 10/8/24.

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email bhayward@langan.com

Project: 750680202; SLO Courthouse

Comments: Last page is Addon A now. Client wants it reported out separtely 8/29/2024. STLC & TCLPs added 9/5/2024 STAT. Added Cam17 STD 9/19/24. Added rush Permoist w/ STD Pricing 9/26/24

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024
Date Add-On: 10/8/2024

LabID	ClientSampID	Matrix	Test Name	Cont. /Comp	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
008A	EB-3-5.0	Soil	Asbestos, CARB 435, 400 Point	1	16OZ GJ, Unpres	☐	☐	☑	8/23/2024 12:05	1 day	10/9/2024		☐	☐
024A	EB-5-5.0	Soil	Asbestos, CARB 435, 400 Point	1	16OZ GJ, Unpres	☐	☐	☑	8/22/2024 9:44	1 day	10/9/2024		☐	☐

NOTES: *** STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont. / Comp. = Containers /Composites

15080 240816198

LANGAN

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- [ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
- [ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TA, MA
Recorder (Signature Required): ~~Tessa~~

Turnaround Time: ~~Standard~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPHg, d, mo	VOCs	SVOCs	OCPs	PCBs	CAM17	Total lead	pH	Asbestos	Percent Moisture		Silica gel clean-up	Hold	Remarks
EB-1-1.0	8/22/24	1159		X							X	X	X	X	X	X	X	X	X	X	X				*ESL's & Dry Weight
EB-1-3.0	↓	1201		X							X													X	Confirmed per ~~email~~ phone call VA- 8/29/24
EB-1-5.0	↓	1207		X							X	X					X		~~X~~	X	X				no pH at EB-1-5.0
~~EB-1-7.0~~																									no total lead
~~EB-1-~~																									
EB-2-1.0	8/22/24	1431		X							X													X	
EB-2-3.0	↓	1435		X							X	X	X	X	X	X	X	X	X	X	X				
EB-2-5.0		1456		X							X	X					X		~~X~~	X	X				no pH at EB-2-5.0
EB-3-3.0	8/23/24	1158		X							X													X	
EB-3-5.0	↓	1205		X							X	X	X	X	X	X	X	X	X	X	X				
EB-3-7.0	↓	1210		X							X													X	cc: Adam Brown abrown@langan.com Tessa Gallagher tgallagher@langan.com
~~EB-3-10.0~~																									
EB-3-8.5	8/23/24	1230		X							X	X					X			X	X				
~~EB-4-10.0~~																									

Relinquished by: (Signature) Tessa Gallagher	Date: 8/24/2024	Time 1540	Received by: (Signature)	Date 8/26/24	Time 1200
Relinquished by: (Signature)	Date: 8/26/24	Time 1630	Received by: (Signature)	Date 8/26/24	Time 1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name)

-Added 10.8.24-

COC Number:

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field

~~A~~ Got the OK to sub TPH-gas per phone call w/ Brendan. VA. 8/28/24
* carb cancelled on EB-3-5.0 per email. VA- 8/29/24

1.6°C wet

IRLS

16677 24108K98

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☐ 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
☐ 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required): Tessa Gallagher

Turnaround Time: ~~Standard~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice		Analysis Requested: TPHg,d,mo	VOCs	SVOCs	OCPs	PCBs	CAM17	Total Lead	pH	Asbestos	Percent Moisture		Silica gel clean-up	Hold	Remarks
EB-5-5.0	8/22/24	0944		X							X		X					X				X				
EB-6-7.0	8/23/24	0805		X							X		X					X			X	X				
EB-6-10.0	8/23/24	0810		X							X														X	CC: Adam Brown abrown@langan.com Tessa Gallagher tgallagher@langan.com
EB-7-1.0	8/23/24	0854		X							X		X					X			X	X				
EB-7-3.0	↓	0855		X							X														X	
EB-7-5.0		0757		X							X		X	X	X	X	X	X	X	X	X	X				
EB-7-7.0		0934		X							X															
EB-7-10.0	↓	0937		X							X														X	
B-6-1	8/23/24	1005		X							X							X				X				
B-6-3		1010		X							X		X					X			X	X				
B-6-5				X							X														X	no total lead
B-6-7				X							X														X	
B-6-10				X							X														X	
B-6-15				X							X		X	X	X	X	X	X	X	X	X	X				

Relinquished by: (Signature)	Date: 8/24/24	Time: 1540	Received by: (Signature)	Date: 8/26/24	Time: 1206
Relinquished by: (Signature)	Date: 8/26/24	Time: 1630	Received by: (Signature)	Date: 8/26/24	Time: 1630
Relinquished by: (Signature)	Date:	Time:	Received by Lab: (Signature)	Date:	Time:

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment: ☐ Lab courier ☐ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2408K98 A

Report Created for: Langan

135 Main St, Suite 1500
San Francisco, CA 94105

Project Contact: Brendan Hayward
Project P.O.:
Project: 750680202; SLO Courthouse

Project Location:
Project Received: 08/26/2024

Analytical Report reviewed & approved for release on 09/11/2024 by:

Christine Askari
Project Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2408K98 A

Project: 750680202; SLO Courthouse

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range
SPK Val	Spike Value

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Langan **WorkOrder:** 2408K98 A

Project: 750680202; SLO Courthouse

SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

F	Sample was filtered upon arrival to the lab
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Surrogate recovery outside accepted recovery limits.
b1	Aqueous sample that contains greater than ~1 vol. % sediment
b8	Sample diluted prior to digestion due to high sediment content.
c1	Surrogate recovery outside of the control limits due to the dilution of the sample.

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.
F10	MS/MSD outside control limits. Physical or chemical interferences exist due to sample matrix.
F13	Indigenous sample results too high for a representative matrix spike analysis.

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	E300.1
Date Prepared:	08/30/2024	**Analytical Method:**	E300.1
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Inorganic Anions by IC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-GW	**2408K98-058G**	**Water**	**08/22/2024 15:25**	**IC4 08302483.D**	**300744**

Analytes	Result	RL	DF	Date Analyzed
Chloride	**520**	20	200	08/30/2024 09:27

Surrogates	REC (%)	Qualifiers	Limits	
Malonate	0	S	90-115	08/30/2024 09:27

Analyst(s): ND Analytical Comments: c1,b1

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/30/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-GW	2408K98-058B	Water	08/22/2024 15:25	GC28 08292427.D	300861

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	40	1	08/30/2024 00:21
tert-Amyl methyl ether (TAME)	ND	0.50	1	08/30/2024 00:21
Benzene	ND	0.20	1	08/30/2024 00:21
Bromobenzene	ND	0.50	1	08/30/2024 00:21
Bromochloromethane	ND	0.50	1	08/30/2024 00:21
Bromodichloromethane	ND	0.050	1	08/30/2024 00:21
Bromoform	ND	0.50	1	08/30/2024 00:21
Bromomethane	ND	0.50	1	08/30/2024 00:21
2-Butanone (MEK)	ND	5.0	1	08/30/2024 00:21
t-Butyl alcohol (TBA)	ND	5.0	1	08/30/2024 00:21
n-Butyl benzene	ND	0.50	1	08/30/2024 00:21
sec-Butyl benzene	ND	0.50	1	08/30/2024 00:21
tert-Butyl benzene	ND	0.50	1	08/30/2024 00:21
Carbon Disulfide	ND	0.50	1	08/30/2024 00:21
Carbon Tetrachloride	ND	0.050	1	08/30/2024 00:21
Chlorobenzene	ND	0.50	1	08/30/2024 00:21
Chloroethane	ND	0.50	1	08/30/2024 00:21
Chloroform	ND	0.10	1	08/30/2024 00:21
Chloromethane	ND	0.50	1	08/30/2024 00:21
2-Chlorotoluene	ND	0.50	1	08/30/2024 00:21
4-Chlorotoluene	ND	0.50	1	08/30/2024 00:21
Dibromochloromethane	ND	0.15	1	08/30/2024 00:21
1,2-Dibromo-3-chloropropane	ND	0.020	1	08/30/2024 00:21
1,2-Dibromoethane (EDB)	ND	0.040	1	08/30/2024 00:21
Dibromomethane	ND	0.50	1	08/30/2024 00:21
1,2-Dichlorobenzene	ND	0.50	1	08/30/2024 00:21
1,3-Dichlorobenzene	ND	0.50	1	08/30/2024 00:21
1,4-Dichlorobenzene	ND	0.50	1	08/30/2024 00:21
Dichlorodifluoromethane	ND	0.50	1	08/30/2024 00:21
1,1-Dichloroethane	ND	0.50	1	08/30/2024 00:21
1,2-Dichloroethane (1,2-DCA)	ND	0.020	1	08/30/2024 00:21
1,1-Dichloroethene	ND	0.010	1	08/30/2024 00:21
cis-1,2-Dichloroethene	ND	0.50	1	08/30/2024 00:21
trans-1,2-Dichloroethene	ND	0.50	1	08/30/2024 00:21
1,2-Dichloropropane	ND	0.10	1	08/30/2024 00:21
1,3-Dichloropropane	ND	0.50	1	08/30/2024 00:21

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/30/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-GW	2408K98-058B	Water	08/22/2024 15:25	GC28 08292427.D	300861

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.50	1	08/30/2024 00:21
1,1-Dichloropropene	ND	0.50	1	08/30/2024 00:21
cis-1,3-Dichloropropene	ND	0.50	1	08/30/2024 00:21
trans-1,3-Dichloropropene	ND	0.50	1	08/30/2024 00:21
Diisopropyl ether (DIPE)	ND	0.50	1	08/30/2024 00:21
Ethylbenzene	ND	0.50	1	08/30/2024 00:21
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	08/30/2024 00:21
Freon 113	ND	0.50	1	08/30/2024 00:21
Hexachlorobutadiene	ND	0.50	1	08/30/2024 00:21
Hexachloroethane	ND	0.20	1	08/30/2024 00:21
2-Hexanone	ND	0.50	1	08/30/2024 00:21
Isopropylbenzene	ND	0.50	1	08/30/2024 00:21
4-Isopropyl toluene	ND	0.50	1	08/30/2024 00:21
Methyl-t-butyl ether (MTBE)	ND	0.50	1	08/30/2024 00:21
Methylene chloride	ND	2.0	1	08/30/2024 00:21
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	08/30/2024 00:21
Naphthalene	ND	0.30	1	08/30/2024 00:21
n-Propyl benzene	ND	0.50	1	08/30/2024 00:21
Styrene	ND	2.0	1	08/30/2024 00:21
1,1,1,2-Tetrachloroethane	ND	0.50	1	08/30/2024 00:21
1,1,2,2-Tetrachloroethane	ND	0.020	1	08/30/2024 00:21
Tetrachloroethene	ND	0.20	1	08/30/2024 00:21
Toluene	ND	0.50	1	08/30/2024 00:21
1,2,3-Trichlorobenzene	ND	0.50	1	08/30/2024 00:21
1,2,4-Trichlorobenzene	ND	0.50	1	08/30/2024 00:21
1,1,1-Trichloroethane	ND	0.50	1	08/30/2024 00:21
1,1,2-Trichloroethane	ND	0.10	1	08/30/2024 00:21
Trichloroethene	ND	0.10	1	08/30/2024 00:21
Trichlorofluoromethane	ND	0.50	1	08/30/2024 00:21
1,2,3-Trichloropropane	ND	0.0050	1	08/30/2024 00:21
1,2,4-Trimethylbenzene	ND	0.50	1	08/30/2024 00:21
1,3,5-Trimethylbenzene	ND	0.50	1	08/30/2024 00:21
Vinyl Chloride	ND	0.0050	1	08/30/2024 00:21
m,p-Xylene	ND	1.0	1	08/30/2024 00:21
o-Xylene	ND	0.50	1	08/30/2024 00:21
Xylenes, Total	ND	1.0	1	08/30/2024 00:21

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/30/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-GW	2408K98-058B	Water	08/22/2024 15:25	GC28 08292427.D	300861

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	96	70-130		08/30/2024 00:21
Toluene-d8	101	70-130		08/30/2024 00:21
4-BFB	72	70-130		08/30/2024 00:21

Analyst(s): MSH

Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/30/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-1-GW	2408K98-059B	Water	08/23/2024 13:24	GC28 08292428.D	300861

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	40	1	08/30/2024 00:59
tert-Amyl methyl ether (TAME)	ND	0.50	1	08/30/2024 00:59
Benzene	ND	0.20	1	08/30/2024 00:59
Bromobenzene	ND	0.50	1	08/30/2024 00:59
Bromochloromethane	ND	0.50	1	08/30/2024 00:59
Bromodichloromethane	ND	0.050	1	08/30/2024 00:59
Bromoform	ND	0.50	1	08/30/2024 00:59
Bromomethane	ND	0.50	1	08/30/2024 00:59
2-Butanone (MEK)	ND	5.0	1	08/30/2024 00:59
t-Butyl alcohol (TBA)	ND	5.0	1	08/30/2024 00:59
n-Butyl benzene	ND	0.50	1	08/30/2024 00:59
sec-Butyl benzene	ND	0.50	1	08/30/2024 00:59
tert-Butyl benzene	ND	0.50	1	08/30/2024 00:59
Carbon Disulfide	ND	0.50	1	08/30/2024 00:59
Carbon Tetrachloride	ND	0.050	1	08/30/2024 00:59
Chlorobenzene	ND	0.50	1	08/30/2024 00:59
Chloroethane	ND	0.50	1	08/30/2024 00:59
Chloroform	ND	0.10	1	08/30/2024 00:59
Chloromethane	ND	0.50	1	08/30/2024 00:59
2-Chlorotoluene	ND	0.50	1	08/30/2024 00:59
4-Chlorotoluene	ND	0.50	1	08/30/2024 00:59
Dibromochloromethane	ND	0.15	1	08/30/2024 00:59
1,2-Dibromo-3-chloropropane	ND	0.020	1	08/30/2024 00:59
1,2-Dibromoethane (EDB)	ND	0.040	1	08/30/2024 00:59
Dibromomethane	ND	0.50	1	08/30/2024 00:59
1,2-Dichlorobenzene	ND	0.50	1	08/30/2024 00:59
1,3-Dichlorobenzene	ND	0.50	1	08/30/2024 00:59
1,4-Dichlorobenzene	ND	0.50	1	08/30/2024 00:59
Dichlorodifluoromethane	ND	0.50	1	08/30/2024 00:59
1,1-Dichloroethane	ND	0.50	1	08/30/2024 00:59
1,2-Dichloroethane (1,2-DCA)	ND	0.020	1	08/30/2024 00:59
1,1-Dichloroethene	ND	0.010	1	08/30/2024 00:59
cis-1,2-Dichloroethene	ND	0.50	1	08/30/2024 00:59
trans-1,2-Dichloroethene	ND	0.50	1	08/30/2024 00:59
1,2-Dichloropropane	ND	0.10	1	08/30/2024 00:59
1,3-Dichloropropane	ND	0.50	1	08/30/2024 00:59

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/30/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-1-GW	2408K98-059B	Water	08/23/2024 13:24	GC28 08292428.D	300861

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.50	1	08/30/2024 00:59
1,1-Dichloropropene	ND	0.50	1	08/30/2024 00:59
cis-1,3-Dichloropropene	ND	0.50	1	08/30/2024 00:59
trans-1,3-Dichloropropene	ND	0.50	1	08/30/2024 00:59
Diisopropyl ether (DIPE)	ND	0.50	1	08/30/2024 00:59
Ethylbenzene	ND	0.50	1	08/30/2024 00:59
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	08/30/2024 00:59
Freon 113	ND	0.50	1	08/30/2024 00:59
Hexachlorobutadiene	ND	0.50	1	08/30/2024 00:59
Hexachloroethane	ND	0.20	1	08/30/2024 00:59
2-Hexanone	ND	0.50	1	08/30/2024 00:59
Isopropylbenzene	ND	0.50	1	08/30/2024 00:59
4-Isopropyl toluene	ND	0.50	1	08/30/2024 00:59
Methyl-t-butyl ether (MTBE)	ND	0.50	1	08/30/2024 00:59
Methylene chloride	ND	2.0	1	08/30/2024 00:59
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	08/30/2024 00:59
Naphthalene	ND	0.30	1	08/30/2024 00:59
n-Propyl benzene	ND	0.50	1	08/30/2024 00:59
Styrene	ND	2.0	1	08/30/2024 00:59
1,1,1,2-Tetrachloroethane	ND	0.50	1	08/30/2024 00:59
1,1,2,2-Tetrachloroethane	ND	0.020	1	08/30/2024 00:59
Tetrachloroethene	ND	0.20	1	08/30/2024 00:59
Toluene	ND	0.50	1	08/30/2024 00:59
1,2,3-Trichlorobenzene	ND	0.50	1	08/30/2024 00:59
1,2,4-Trichlorobenzene	ND	0.50	1	08/30/2024 00:59
1,1,1-Trichloroethane	ND	0.50	1	08/30/2024 00:59
1,1,2-Trichloroethane	ND	0.10	1	08/30/2024 00:59
Trichloroethene	ND	0.10	1	08/30/2024 00:59
Trichlorofluoromethane	ND	0.50	1	08/30/2024 00:59
1,2,3-Trichloropropane	ND	0.0050	1	08/30/2024 00:59
1,2,4-Trimethylbenzene	ND	0.50	1	08/30/2024 00:59
1,3,5-Trimethylbenzene	ND	0.50	1	08/30/2024 00:59
Vinyl Chloride	ND	0.0050	1	08/30/2024 00:59
m,p-Xylene	ND	1.0	1	08/30/2024 00:59
o-Xylene	ND	0.50	1	08/30/2024 00:59
Xylenes, Total	ND	1.0	1	08/30/2024 00:59

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/30/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-1-GW	2408K98-059B	Water	08/23/2024 13:24	GC28 08292428.D	300861

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	96	70-130		08/30/2024 00:59
Toluene-d8	100	70-130		08/30/2024 00:59
4-BFB	72	70-130		08/30/2024 00:59

Analyst(s): MSH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/30/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6-GW	2408K98-060B	Water	08/23/2024 13:52	GC28 08292429.D	300861

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	40	1	08/30/2024 01:37
tert-Amyl methyl ether (TAME)	ND	0.50	1	08/30/2024 01:37
Benzene	ND	0.20	1	08/30/2024 01:37
Bromobenzene	ND	0.50	1	08/30/2024 01:37
Bromochloromethane	ND	0.50	1	08/30/2024 01:37
Bromodichloromethane	ND	0.050	1	08/30/2024 01:37
Bromoform	ND	0.50	1	08/30/2024 01:37
Bromomethane	ND	0.50	1	08/30/2024 01:37
2-Butanone (MEK)	ND	5.0	1	08/30/2024 01:37
t-Butyl alcohol (TBA)	ND	5.0	1	08/30/2024 01:37
n-Butyl benzene	ND	0.50	1	08/30/2024 01:37
sec-Butyl benzene	ND	0.50	1	08/30/2024 01:37
tert-Butyl benzene	ND	0.50	1	08/30/2024 01:37
Carbon Disulfide	ND	0.50	1	08/30/2024 01:37
Carbon Tetrachloride	ND	0.050	1	08/30/2024 01:37
Chlorobenzene	**2.2**	0.50	1	08/30/2024 01:37
Chloroethane	ND	0.50	1	08/30/2024 01:37
Chloroform	ND	0.10	1	08/30/2024 01:37
Chloromethane	ND	0.50	1	08/30/2024 01:37
2-Chlorotoluene	ND	0.50	1	08/30/2024 01:37
4-Chlorotoluene	ND	0.50	1	08/30/2024 01:37
Dibromochloromethane	ND	0.15	1	08/30/2024 01:37
1,2-Dibromo-3-chloropropane	ND	0.020	1	08/30/2024 01:37
1,2-Dibromoethane (EDB)	ND	0.040	1	08/30/2024 01:37
Dibromomethane	ND	0.50	1	08/30/2024 01:37
1,2-Dichlorobenzene	ND	0.50	1	08/30/2024 01:37
1,3-Dichlorobenzene	ND	0.50	1	08/30/2024 01:37
1,4-Dichlorobenzene	ND	0.50	1	08/30/2024 01:37
Dichlorodifluoromethane	ND	0.50	1	08/30/2024 01:37
1,1-Dichloroethane	ND	0.50	1	08/30/2024 01:37
1,2-Dichloroethane (1,2-DCA)	ND	0.020	1	08/30/2024 01:37
1,1-Dichloroethene	**0.025**	0.010	1	08/30/2024 01:37
cis-1,2-Dichloroethene	**2.0**	0.50	1	08/30/2024 01:37
trans-1,2-Dichloroethene	**0.51**	0.50	1	08/30/2024 01:37
1,2-Dichloropropane	**1.9**	0.10	1	08/30/2024 01:37
1,3-Dichloropropane	ND	0.50	1	08/30/2024 01:37

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/30/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6-GW	2408K98-060B	Water	08/23/2024 13:52	GC28 08292429.D	300861

Analytes	Result	RL	DF	Date Analyzed
2,2-Dichloropropane	ND	0.50	1	08/30/2024 01:37
1,1-Dichloropropene	ND	0.50	1	08/30/2024 01:37
cis-1,3-Dichloropropene	ND	0.50	1	08/30/2024 01:37
trans-1,3-Dichloropropene	ND	0.50	1	08/30/2024 01:37
Diisopropyl ether (DIPE)	ND	0.50	1	08/30/2024 01:37
Ethylbenzene	ND	0.50	1	08/30/2024 01:37
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	08/30/2024 01:37
Freon 113	ND	0.50	1	08/30/2024 01:37
Hexachlorobutadiene	ND	0.50	1	08/30/2024 01:37
Hexachloroethane	ND	0.20	1	08/30/2024 01:37
2-Hexanone	ND	0.50	1	08/30/2024 01:37
Isopropylbenzene	ND	0.50	1	08/30/2024 01:37
4-Isopropyl toluene	ND	0.50	1	08/30/2024 01:37
Methyl-t-butyl ether (MTBE)	ND	0.50	1	08/30/2024 01:37
Methylene chloride	ND	2.0	1	08/30/2024 01:37
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	08/30/2024 01:37
Naphthalene	ND	0.30	1	08/30/2024 01:37
n-Propyl benzene	ND	0.50	1	08/30/2024 01:37
Styrene	ND	2.0	1	08/30/2024 01:37
1,1,1,2-Tetrachloroethane	ND	0.50	1	08/30/2024 01:37
1,1,2,2-Tetrachloroethane	ND	0.020	1	08/30/2024 01:37
Tetrachloroethene	ND	0.20	1	08/30/2024 01:37
Toluene	ND	0.50	1	08/30/2024 01:37
1,2,3-Trichlorobenzene	ND	0.50	1	08/30/2024 01:37
1,2,4-Trichlorobenzene	ND	0.50	1	08/30/2024 01:37
1,1,1-Trichloroethane	ND	0.50	1	08/30/2024 01:37
1,1,2-Trichloroethane	ND	0.10	1	08/30/2024 01:37
Trichloroethene	**0.34**	0.10	1	08/30/2024 01:37
Trichlorofluoromethane	ND	0.50	1	08/30/2024 01:37
1,2,3-Trichloropropane	ND	0.0050	1	08/30/2024 01:37
1,2,4-Trimethylbenzene	ND	0.50	1	08/30/2024 01:37
1,3,5-Trimethylbenzene	ND	0.50	1	08/30/2024 01:37
Vinyl Chloride	**2.4**	0.0050	1	08/30/2024 01:37
m,p-Xylene	ND	1.0	1	08/30/2024 01:37
o-Xylene	ND	0.50	1	08/30/2024 01:37
Xylenes, Total	ND	1.0	1	08/30/2024 01:37

(Cont.)

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW5030B
Date Prepared:	08/30/2024	**Analytical Method:**	SW8260D
Project:	750680202; SLO Courthouse	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6-GW	2408K98-060B	Water	08/23/2024 13:52	GC28 08292429.D	300861

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	96	70-130		08/30/2024 01:37
Toluene-d8	101	70-130		08/30/2024 01:37
4-BFB	71	70-130		08/30/2024 01:37

Analyst(s): MSH

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	E350.1
Date Prepared:	09/04/2024	**Analytical Method:**	E350.1
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Ammonia As Nitrogen

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-GW	2408K98-058H	Water	08/22/2024 15:25	WC_SKALAR 240904A1_77	301138

Analytes	Result	RL	DF	Date Analyzed
Ammonia, total as N	ND	0.10	1	09/04/2024 15:23

Analyst(s): IGC

Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	E200.8
Date Prepared:	08/28/2024	**Analytical Method:**	E200.8
Project:	750680202; SLO Courthouse	**Unit:**	µg/L

Dissolved Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-GW	2408K98-058D	Water	08/22/2024 15:25	ICP-MS4 221SMPL.d	300706

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Antimony	ND	F	0.50	1	08/30/2024 18:16
Arsenic	**3.9**	F	0.50	1	08/30/2024 18:16
Barium	**82**	F	5.0	1	08/30/2024 18:16
Beryllium	ND	F	0.50	1	08/30/2024 18:16
Cadmium	ND	F	0.50	1	08/30/2024 18:16
Chromium	**6.0**	F	0.50	1	08/30/2024 18:16
Cobalt	ND	F	0.50	1	08/30/2024 18:16
Copper	**0.74**	F	0.50	1	08/30/2024 18:16
Lead	ND	F	0.50	1	08/30/2024 18:16
Mercury	ND	F	0.20	1	08/30/2024 18:16
Molybdenum	**16**	F	0.50	1	08/30/2024 18:16
Nickel	**3.7**	F	0.50	1	08/30/2024 18:16
Selenium	**3.7**	F	0.50	1	08/30/2024 18:16
Silver	ND	F	0.50	1	08/30/2024 18:16
Sodium	**440,000**	F	5000	10	08/30/2024 18:04
Thallium	ND	F	0.50	1	08/30/2024 18:16
Vanadium	**11**	F	0.50	1	08/30/2024 18:16
Zinc	ND	F	15	1	08/30/2024 18:16

Analyst(s): DB

Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	E200.8
Date Prepared:	08/28/2024	**Analytical Method:**	E200.8
Project:	750680202; SLO Courthouse	**Unit:**	µg/L

Metals (>1% Sediment Content)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-GW	**2408K98-058C**	**Water**	**08/22/2024 15:25**	**ICP-MS5 119SMPL.d**	**300762**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	2.5	1	08/29/2024 11:26
Arsenic	**4.8**	2.5	1	08/29/2024 11:26
Barium	**210**	25	1	08/29/2024 11:26
Beryllium	ND	2.5	1	08/29/2024 11:26
Cadmium	ND	2.5	1	08/29/2024 11:26
Chromium	**24**	2.5	1	08/29/2024 11:26
Cobalt	**7.3**	2.5	1	08/29/2024 11:26
Copper	**16**	2.5	1	08/29/2024 11:26
Lead	**4.4**	2.5	1	08/29/2024 11:26
Mercury	ND	0.25	1	08/29/2024 11:26
Molybdenum	ND	2.5	1	08/29/2024 11:26
Nickel	**38**	2.5	1	08/29/2024 11:26
Selenium	ND	2.5	1	08/29/2024 11:26
Silver	ND	2.5	1	08/29/2024 11:26
Sodium	**56,000**	1000	1	08/29/2024 11:26
Thallium	ND	2.5	1	08/29/2024 11:26
Vanadium	**28**	2.5	1	08/29/2024 11:26
Zinc	**41**	25	1	08/29/2024 11:26

Surrogates	REC (%)	Limits	
Terbium	107	70-130	08/29/2024 11:26

Analyst(s): AL Analytical Comments: b8,b1

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SM2540 C-
Date Prepared:	08/29/2024	**Analytical Method:**	SM2540 C
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-GW	**2408K98-058E**	**Water**	**08/22/2024 15:25**	**WetChem**	**300860**

Analytes	Result	RL	DF	Date Analyzed
Total Dissolved Solids	**1630**	10.0	1	08/29/2024 14:11

Analyst(s): ISH

Analytical Comments: b1

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SW3510C
Date Prepared:	08/28/2024	**Analytical Method:**	SW8015B
Project:	750680202; SLO Courthouse	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-GW	2408K98-058A	Water	08/22/2024 15:25	GC6A 08292442.D	300761

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	100	1	08/29/2024 22:45
TPH-Motor Oil (C18-C36)	ND	500	1	08/29/2024 22:45

Surrogates	REC (%)	Limits	
C9	85	53-149	08/29/2024 22:45

Analyst(s): JNG Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-1-GW	2408K98-059A	Water	08/23/2024 13:24	GC11B 08282429.D	300761

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	100	1	08/28/2024 21:30
TPH-Motor Oil (C18-C36)	ND	500	1	08/28/2024 21:30

Surrogates	REC (%)	Limits	
C9	102	53-149	08/28/2024 21:30

Analyst(s): JNG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6-GW	2408K98-060A	Water	08/23/2024 13:52	GC11B 08282425.D	300761

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	100	1	08/28/2024 20:14
TPH-Motor Oil (C18-C36)	ND	500	1	08/28/2024 20:14

Surrogates	REC (%)	Limits	
C9	92	53-149	08/28/2024 20:14

Analyst(s): JNG

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Analytical Report

Client:	Langan	**WorkOrder:**	2408K98
Date Received:	08/26/2024 16:30	**Extraction Method:**	SM2540 D
Date Prepared:	08/29/2024	**Analytical Method:**	SM2540 D
Project:	750680202; SLO Courthouse	**Unit:**	mg/L

Total Suspended Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB-1-GW	2408K98-058F	Water	08/22/2024 15:25	WetChem	300894

Analytes	Result	RL	DF	Date Analyzed
Total Suspended Solids	**11,800**	50.0	50	09/03/2024 13:00

Analyst(s): ISH

Analytical Comments: b1

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300744
Date Analyzed:	08/28/2024	**Extraction Method:**	E300.1
Instrument:	IC4	**Analytical Method:**	E300.1
Matrix:	Water	**Unit:**	mg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300744

QC Summary Report for E300.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Chloride	ND	0.039	0.10	-	-	-
Surrogate Recovery						
Malonate	0.10			0.1	104	90-115

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chloride	1.0	0.99	1	100	99	85-115	0.862	20
Surrogate Recovery								
Malonate	0.10	0.10	0.10	100	100	90-115	0.173	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300861
Date Analyzed:	08/29/2024	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260D
Matrix:	Water	**Unit:**	µg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300861

QC Summary Report for SW8260D

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	6.7	40	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.13	0.50	-	-	-
Benzene	ND	0.035	0.20	-	-	-
Bromobenzene	ND	0.11	0.50	-	-	-
Bromochloromethane	ND	0.21	0.50	-	-	-
Bromodichloromethane	ND	0.035	0.050	-	-	-
Bromoform	ND	0.24	0.50	-	-	-
Bromomethane	ND	0.25	0.50	-	-	-
2-Butanone (MEK)	ND	1.4	5.0	-	-	-
t-Butyl alcohol (TBA)	ND	1.5	5.0	-	-	-
n-Butyl benzene	ND	0.16	0.50	-	-	-
sec-Butyl benzene	ND	0.10	0.50	-	-	-
tert-Butyl benzene	ND	0.17	0.50	-	-	-
Carbon Disulfide	ND	0.12	0.50	-	-	-
Carbon Tetrachloride	ND	0.034	0.050	-	-	-
Chlorobenzene	ND	0.095	0.50	-	-	-
Chloroethane	ND	0.25	0.50	-	-	-
Chloroform	ND	0.043	0.10	-	-	-
Chloromethane	ND	0.16	0.50	-	-	-
2-Chlorotoluene	ND	0.12	0.50	-	-	-
4-Chlorotoluene	ND	0.099	0.50	-	-	-
Dibromochloromethane	ND	0.073	0.15	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.0079	0.020	-	-	-
1,2-Dibromoethane (EDB)	ND	0.016	0.040	-	-	-
Dibromomethane	ND	0.17	0.50	-	-	-
1,2-Dichlorobenzene	ND	0.10	0.50	-	-	-
1,3-Dichlorobenzene	ND	0.14	0.50	-	-	-
1,4-Dichlorobenzene	ND	0.089	0.50	-	-	-
Dichlorodifluoromethane	ND	0.16	0.50	-	-	-
1,1-Dichloroethane	ND	0.14	0.50	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0093	0.020	-	-	-
1,1-Dichloroethene	ND	0.0058	0.010	-	-	-
cis-1,2-Dichloroethene	ND	0.14	0.50	-	-	-
trans-1,2-Dichloroethene	ND	0.15	0.50	-	-	-
1,2-Dichloropropane	ND	0.039	0.10	-	-	-
1,3-Dichloropropane	ND	0.16	0.50	-	-	-
2,2-Dichloropropane	ND	0.17	0.50	-	-	-
1,1-Dichloropropene	ND	0.11	0.50	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300861
Date Analyzed:	08/29/2024	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260D
Matrix:	Water	**Unit:**	µg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300861

QC Summary Report for SW8260D

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.13	0.50	-	-	-
trans-1,3-Dichloropropene	ND	0.20	0.50	-	-	-
Diisopropyl ether (DIPE)	ND	0.16	0.50	-	-	-
Ethylbenzene	ND	0.10	0.50	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.15	0.50	-	-	-
Freon 113	ND	0.15	0.50	-	-	-
Hexachlorobutadiene	ND	0.064	0.50	-	-	-
Hexachloroethane	ND	0.078	0.20	-	-	-
2-Hexanone	ND	0.23	0.50	-	-	-
Isopropylbenzene	ND	0.10	0.50	-	-	-
4-Isopropyl toluene	ND	0.19	0.50	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.15	0.50	-	-	-
Methylene chloride	ND	1.5	2.0	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.22	0.50	-	-	-
Naphthalene	ND	0.17	0.30	-	-	-
n-Propyl benzene	ND	0.11	0.50	-	-	-
Styrene	ND	0.22	2.0	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.086	0.50	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.015	0.020	-	-	-
Tetrachloroethene	ND	0.036	0.20	-	-	-
Toluene	ND	0.10	0.50	-	-	-
1,2,3-Trichlorobenzene	ND	0.17	0.50	-	-	-
1,2,4-Trichlorobenzene	ND	0.13	0.50	-	-	-
1,1,1-Trichloroethane	ND	0.13	0.50	-	-	-
1,1,2-Trichloroethane	ND	0.032	0.10	-	-	-
Trichloroethene	ND	0.034	0.10	-	-	-
Trichlorofluoromethane	ND	0.14	0.50	-	-	-
1,2,3-Trichloropropane	ND	0.0036	0.0050	-	-	-
1,2,4-Trimethylbenzene	ND	0.10	0.50	-	-	-
1,3,5-Trimethylbenzene	ND	0.096	0.50	-	-	-
Vinyl Chloride	ND	0.0044	0.0050	-	-	-
m,p-Xylene	ND	0.22	1.0	-	-	-
o-Xylene	ND	0.12	0.50	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300861
Date Analyzed:	08/29/2024	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260D
Matrix:	Water	**Unit:**	µg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300861

QC Summary Report for SW8260D

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	24			25	97	70-130
Toluene-d8	25			25	102	70-130
4-BFB	1.8			2.5	74	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300861
Date Analyzed:	08/29/2024	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260D
Matrix:	Water	**Unit:**	µg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300861

QC Summary Report for SW8260D

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	44	46	40	109	114	60-130	4.76	20
tert-Amyl methyl ether (TAME)	4.0	3.8	4	100	96	60-130	4.59	20
Benzene	3.9	4.0	4	97	101	65-130	3.94	20
Bromobenzene	3.1	3.1	4	77	78	60-130	1.86	20
Bromochloromethane	3.2	3.5	4	80	86	65-130	8.04	20
Bromodichloromethane	4.0	4.3	4	101	107	60-130	6.16	20
Bromoform	3.0	3.3	4	76	82	70-130	7.43	20
Bromomethane	3.7	3.8	4	93	94	50-130	0.867	20
2-Butanone (MEK)	17	18	16	105	113	60-130	7.23	20
t-Butyl alcohol (TBA)	14	15	16	86	93	50-130	8.38	20
n-Butyl benzene	3.6	3.7	4	89	91	60-130	2.68	20
sec-Butyl benzene	3.7	3.8	4	93	96	60-130	3.15	20
tert-Butyl benzene	3.0	3.2	4	75	81	60-130	7.04	20
Carbon Disulfide	3.7	3.8	4	92	95	60-130	2.58	20
Carbon Tetrachloride	3.8	4.0	4	96	100	70-130	4.37	20
Chlorobenzene	3.4	3.6	4	85	90	65-130	5.54	20
Chloroethane	4.2	4.3	4	104	108	60-140	3.80	20
Chloroform	4.0	4.2	4	101	106	70-130	5.01	20
Chloromethane	4.5	4.6	4	113	114	50-130	0.662	20
2-Chlorotoluene	3.3	3.4	4	83	85	60-130	2.64	20
4-Chlorotoluene	3.3	3.4	4	82	85	60-130	2.96	20
Dibromochloromethane	3.1	3.4	4	78	84	70-130	6.54	20
1,2-Dibromo-3-chloropropane	1.5	1.6	2	74	80	50-130	7.13	20
1,2-Dibromoethane (EDB)	1.6	1.8	2	82	88	60-130	6.17	20
Dibromomethane	3.6	3.9	4	90	98	60-130	7.91	20
1,2-Dichlorobenzene	3.1	3.2	4	78	80	65-130	2.71	20
1,3-Dichlorobenzene	3.3	3.5	4	83	87	70-130	4.08	20
1,4-Dichlorobenzene	3.3	3.5	4	84	88	65-130	4.81	20
Dichlorodifluoromethane	3.8	2.7	4	96	68	40-140	34.3,F2	20
1,1-Dichloroethane	3.9	4.0	4	97	100	70-130	3.15	20
1,2-Dichloroethane (1,2-DCA)	3.9	4.1	4	98	103	70-130	5.56	20
1,1-Dichloroethene	3.7	3.8	4	92	94	60-130	2.71	20
cis-1,2-Dichloroethene	3.5	3.7	4	87	92	60-130	5.26	20
trans-1,2-Dichloroethene	3.4	3.5	4	86	87	70-130	1.06	20
1,2-Dichloropropane	4.0	4.3	4	101	107	60-130	5.82	20
1,3-Dichloropropane	3.4	3.6	4	85	90	60-130	5.70	20
2,2-Dichloropropane	4.0	4.2	4	100	104	60-130	4.12	20
1,1-Dichloropropene	4.0	4.1	4	100	103	60-130	2.79	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300861
Date Analyzed:	08/29/2024	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260D
Matrix:	Water	**Unit:**	µg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300861

QC Summary Report for SW8260D

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.5	3.7	4	87	91	60-130	4.93	20
trans-1,3-Dichloropropene	3.7	3.9	4	92	97	60-130	5.49	20
Diisopropyl ether (DIPE)	4.4	4.6	4	111	115	60-130	4.02	20
Ethylbenzene	3.6	3.8	4	90	95	60-130	5.15	20
Ethyl tert-butyl ether (ETBE)	4.0	4.2	4	100	104	60-130	4.55	20
Freon 113	3.2	3.3	4	81	83	60-130	2.79	20
Hexachlorobutadiene	3.0	3.2	4	76	80	60-130	4.38	20
Hexachloroethane	3.4	3.5	4	84	87	50-130	4.00	20
2-Hexanone	3.6	3.9	4	91	98	50-130	7.25	20
Isopropylbenzene	3.2	3.4	4	81	85	60-130	5.02	20
4-Isopropyl toluene	3.7	3.9	4	94	97	60-130	3.85	20
Methyl-t-butyl ether (MTBE)	3.5	3.7	4	87	92	60-130	6.53	20
Methylene chloride	3.5	3.5	4	87	87	60-130	0.820	20
4-Methyl-2-pentanone (MIBK)	3.6	3.8	4	89	95	50-130	6.42	20
Naphthalene	2.7	2.6	4	67	66	60-130	0.998	20
n-Propyl benzene	3.3	3.5	4	82	87	60-130	5.48	20
Styrene	3.3	3.5	4	83	89	60-130	6.50	20
1,1,1,2-Tetrachloroethane	3.1	3.3	4	77	83	60-130	6.93	20
1,1,2,2-Tetrachloroethane	3.5	3.7	4	87	93	60-130	6.76	20
Tetrachloroethene	3.2	3.3	4	80	83	70-130	3.73	20
Toluene	3.3	3.5	4	83	87	70-130	4.63	20
1,2,3-Trichlorobenzene	3.0	3.0	4	75	74	60-130	0.371	20
1,2,4-Trichlorobenzene	3.0	3.0	4	75	76	60-130	0.232	20
1,1,1-Trichloroethane	3.6	3.8	4	90	94	70-130	4.02	20
1,1,2-Trichloroethane	3.3	3.5	4	82	87	70-130	6.01	20
Trichloroethene	3.5	3.6	4	87	91	65-130	4.46	20
Trichlorofluoromethane	3.5	3.6	4	87	89	60-130	2.43	20
1,2,3-Trichloropropane	1.6	1.7	2	81	87	60-130	6.82	20
1,2,4-Trimethylbenzene	3.8	3.8	4	95	96	60-130	1.19	20
1,3,5-Trimethylbenzene	3.8	3.8	4	94	96	60-130	1.90	20
Vinyl Chloride	2.4	2.5	2	122	125	60-130	2.27	20
m,p-Xylene	6.7	7.1	8	84	88	60-130	4.91	20
o-Xylene	3.7	3.9	4	91	97	60-130	6.04	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300861
Date Analyzed:	08/29/2024	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260D
Matrix:	Water	**Unit:**	µg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300861

QC Summary Report for SW8260D

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	25	25	25	98	100	70-130	1.92	20
Toluene-d8	25	25	25	101	101	70-130	0.327	20
4-BFB	2.0	2.0	2.5	82	82	70-130	0.0294	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	09/04/2024	**BatchID:**	301138
Date Analyzed:	09/04/2024	**Extraction Method:**	E350.1
Instrument:	WC_SKALAR	**Analytical Method:**	E350.1
Matrix:	Water	**Unit:**	mg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-301138

QC Summary Report for E350.1

Analyte	MB Result	MDL	RL			
Ammonia, total as N	ND	0.089	0.10	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Ammonia, total as N	4.0	4.1	4	100	102	90-110	2.18	10

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/27/2024 - 08/28/2024	**BatchID:**	300706
Date Analyzed:	08/30/2024	**Extraction Method:**	E200.8
Instrument:	ICP-MS4	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300706 2408K98-058DMS/MSD

QC Summary Report for Dissolved Metals

Analyte	MB Result	MDL	RL			
Antimony	ND	0.14	0.50	-	-	-
Arsenic	ND	0.11	0.50	-	-	-
Barium	ND	3.3	5.0	-	-	-
Beryllium	ND	0.086	0.50	-	-	-
Cadmium	ND	0.043	0.50	-	-	-
Chromium	ND	0.28	0.50	-	-	-
Cobalt	ND	0.047	0.50	-	-	-
Copper	ND	0.26	0.50	-	-	-
Lead	ND	0.15	0.50	-	-	-
Mercury	0.093,J	0.071	0.20	-	-	-
Molybdenum	ND	0.16	0.50	-	-	-
Nickel	ND	0.13	0.50	-	-	-
Selenium	ND	0.25	0.50	-	-	-
Silver	ND	0.043	0.50	-	-	-
Sodium	ND	360	500	-	-	-
Thallium	ND	0.17	0.50	-	-	-
Vanadium	ND	0.15	0.50	-	-	-
Zinc	ND	10	15	-	-	-

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/27/2024 - 08/28/2024	**BatchID:**	300706
Date Analyzed:	08/30/2024	**Extraction Method:**	E200.8
Instrument:	ICP-MS4	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300706 2408K98-058DMS/MSD

QC Summary Report for Dissolved Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	51	52	50	103	105	85-115	2.12	20
Arsenic	53	51	50	105	103	85-115	2.16	20
Barium	530	530	500	105	106	85-115	0.539	20
Beryllium	53	52	50	106	104	85-115	1.15	20
Cadmium	53	52	50	106	105	85-115	1.13	20
Chromium	53	52	50	106	105	85-115	1.10	20
Cobalt	48	48	50	96	97	85-115	1.23	20
Copper	54	54	50	108	108	85-115	0.244	20
Lead	51	51	50	101	101	85-115	0.0652	20
Mercury	1.2	1.3	1.25	99	104	85-115	4.33	20
Molybdenum	49	49	50	97	98	85-115	0.205	20
Nickel	54	53	50	107	107	85-115	0.264	20
Selenium	52	53	50	104	105	85-115	0.777	20
Silver	49	49	50	98	97	85-115	0.429	20
Sodium	5400	5400	5000	108	107	85-115	0.448	20
Thallium	54	54	50	109	108	85-115	1.24	20
Vanadium	52	52	50	105	104	85-115	0.636	20
Zinc	540	540	500	109	108	85-115	0.692	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	1	53	52	50	ND	105	104	70-130	1.01	20
Arsenic	1	59	58	50	3.854	110	109	70-130	1.18	20
Barium	1	620	620	500	82.44	108	107	70-130	0.640	20
Beryllium	1	52	51	50	ND	104	103	70-130	1.42	20
Cadmium	1	50	50	50	ND	100	99	70-130	0.690	20
Chromium	1	56	55	50	5.953	100	98	70-130	1.53	20
Cobalt	1	45	44	50	ND	90	88	70-130	1.22	20
Copper	1	52	51	50	0.7450	102	101	70-130	0.881	20
Lead	1	50	50	50	ND	100	100	70-130	0.122	20
Mercury	1	1.2	1.3	1.25	ND	98	102	70-130	4.09	20
Molybdenum	1	66	66	50	15.50	101	101	70-130	0.398	20
Nickel	1	54	53	50	3.748	101	99	70-130	2.47	20
Selenium	1	58	58	50	3.680	108	109	70-130	0.987	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/27/2024 - 08/28/2024	**BatchID:**	300706
Date Analyzed:	08/30/2024	**Extraction Method:**	E200.8
Instrument:	ICP-MS4	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300706 2408K98-058DMS/MSD

QC Summary Report for Dissolved Metals

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Silver	1	46	46	50	ND	93	92	70-130	1.11	20
Sodium	1	420,000	430,000	5000	440,000	F13	F13	70-130	NA	20
Thallium	1	54	53	50	ND	107	107	70-130	0.191	20
Vanadium	1	62	61	50	11.18	101	99	70-130	1.73	20
Zinc	1	510	500	500	ND	102	100	70-130	1.17	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Antimony	ND<2.5	ND	100	-
Arsenic	3.1	3.9	18.8	-
Barium	82	82	0.911	-
Beryllium	ND<2.5	ND		-
Cadmium	ND<2.5	ND	100	-
Chromium	6.2	6.0	3.31	-
Cobalt	ND<2.5	ND	45.0	-
Copper	ND<2.5	0.74	100	-
Lead	ND<2.5	ND		-
Mercury	ND<1.0	ND		-
Molybdenum	16	16	0.490	20
Nickel	3.4	3.7	8.08	-
Selenium	3.3	3.7	9.10	-
Silver	ND<2.5	ND		-
Sodium	440,000	440,000	0.0633	20
Thallium	ND<2.5	ND		-
Vanadium	11	11	3.92	-
Zinc	ND<75	ND		-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300762
Date Analyzed:	08/29/2024	**Extraction Method:**	E200.8
Instrument:	ICP-MS5	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300762 2408K98-058CMS/MSD

QC Report for Metals (>1% Sediment Content)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.60	2.5	-	-	-
Arsenic	ND	0.45	2.5	-	-	-
Barium	ND	3.3	25	-	-	-
Beryllium	ND	0.21	2.5	-	-	-
Cadmium	ND	0.27	2.5	-	-	-
Chromium	ND	0.81	2.5	-	-	-
Cobalt	ND	0.20	2.5	-	-	-
Copper	ND	1.2	2.5	-	-	-
Lead	ND	0.61	2.5	-	-	-
Mercury	ND	0.10	0.25	-	-	-
Molybdenum	ND	0.40	2.5	-	-	-
Nickel	ND	0.83	2.5	-	-	-
Selenium	ND	1.2	2.5	-	-	-
Silver	ND	0.29	2.5	-	-	-
Sodium	ND	540	1000	-	-	-
Thallium	ND	0.24	2.5	-	-	-
Vanadium	ND	0.70	2.5	-	-	-
Zinc	ND	12	25	-	-	-
Surrogate Recovery						
Terbium	2800			2500	113	70-130

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300762
Date Analyzed:	08/29/2024	**Extraction Method:**	E200.8
Instrument:	ICP-MS5	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300762 2408K98-058CMS/MSD

QC Report for Metals (>1% Sediment Content)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	280	270	250	111	108	85-115	2.14	20
Arsenic	280	270	250	110	107	85-115	2.41	20
Barium	2800	2700	2500	110	108	85-115	1.53	20
Beryllium	280	280	250	113	110	85-115	2.16	20
Cadmium	270	260	250	108	102	85-115	5.41	20
Chromium	270	260	250	109	105	85-115	4.04	20
Cobalt	280	280	250	112	110	85-115	1.93	20
Copper	270	270	250	109	107	85-115	2.02	20
Lead	270	270	250	109	107	85-115	2.27	20
Mercury	6.6	6.6	6.25	106	105	85-115	0.456	20
Molybdenum	270	270	250	108	106	85-115	1.68	20
Nickel	270	270	250	110	106	85-115	3.09	20
Selenium	270	270	250	109	107	85-115	1.78	20
Silver	270	270	250	110	108	85-115	1.77	20
Sodium	27,000	26,000	25000	109	104	85-115	4.83	20
Thallium	270	260	250	110	106	85-115	3.52	20
Vanadium	270	260	250	110	105	85-115	4.73	20
Zinc	2700	2600	2500	109	106	85-115	3.08	20
Surrogate Recovery								
Terbium	2800	2700	2500	110	108	70-130	1.76	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	1	260	250	250	ND	105	100	75-125	4.91	20
Arsenic	1	270	280	250	4.770	107	109	75-125	2.16	20
Barium	1	2900	2900	2500	208.1	107	109	75-125	1.97	20
Beryllium	1	270	270	250	ND	108	107	75-125	0.513	20
Cadmium	1	260	260	250	ND	104	105	75-125	1.12	20
Chromium	1	290	290	250	23.72	106	107	75-125	0.934	20
Cobalt	1	280	280	250	7.300	107	108	75-125	0.725	20
Copper	1	280	280	250	16.26	104	107	75-125	3.30	20
Lead	1	270	270	250	4.385	105	107	75-125	1.90	20
Mercury	1	6.8	6.6	6.25	ND	108	105	75-125	2.77	20
Molybdenum	1	270	270	250	ND	106	106	75-125	0.411	20
Nickel	1	290	310	250	37.68	102	108	75-125	5.01	20
Selenium	1	260	270	250	ND	105	109	75-125	3.97	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300762
Date Analyzed:	08/29/2024	**Extraction Method:**	E200.8
Instrument:	ICP-MS5	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300762 2408K98-058CMS/MSD

QC Report for Metals (>1% Sediment Content)

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Silver	1	260	260	250	ND	106	106	75-125	0.0587	20
Sodium	1	71,000	89,000	25000	56,420	60,F10	130,F10	75-125	21.9,F10	20
Thallium	1	260	270	250	ND	105	107	75-125	1.59	20
Vanadium	1	300	300	250	28.11	107	108	75-125	0.649	20
Zinc	1	2600	2700	2500	40.87	104	106	75-125	1.88	20
Surrogate Recovery										
Terbium	1	2700	2700	2500		108	107	75-125	0.979	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Antimony	ND<12	ND		-
Arsenic	ND<12	4.8	9.33	-
Barium	200	210	2.16	-
Beryllium	ND<12	ND	100	-
Cadmium	ND<12	ND	100	-
Chromium	23	24	3.04	-
Cobalt	ND<12	7.3	3.77	-
Copper	16	16	2.49	-
Lead	ND<12	4.4	8.21	-
Mercury	ND<1.2	ND		-
Molybdenum	ND<12	ND	7.76	-
Nickel	38	38	0.464	-
Selenium	ND<12	ND		-
Silver	ND<12	ND		-
Sodium	52,000	56,000	8.42	20
Thallium	ND<12	ND		-
Vanadium	28	28	0.818	-
Zinc	ND<120	41	100	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300860
Date Analyzed:	08/29/2024	**Extraction Method:**	SM2540 C-
Instrument:	WetChem	**Analytical Method:**	SM2540 C
Matrix:	Water	**Unit:**	mg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300860 2408K98-058E

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL			
Total Dissolved Solids	ND	10.0	10.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Dissolved Solids	994	998	1000	99	100	80-120	0.402	10

Analyte	SAMP Result	DUP Result	RPD	RPD Limit
Total Dissolved Solids	1630	1640	0.367	10

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/28/2024	**BatchID:**	300761
Date Analyzed:	08/28/2024	**Extraction Method:**	SW3510C
Instrument:	GC11A	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300761

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	54	100	-	-	-
TPH-Motor Oil (C18-C36)	ND	160	500	-	-	-
Surrogate Recovery						
C9	630			625	101	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	940	860	1000	94	86	70-130	9.42	20
Surrogate Recovery								
C9	640	640	625	102	103	70-130	0.321	20

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Quality Control Report

Client:	Langan	**WorkOrder:**	2408K98
Date Prepared:	08/29/2024	**BatchID:**	300894
Date Analyzed:	09/03/2024	**Extraction Method:**	SM2540 D
Instrument:	WetChem	**Analytical Method:**	SM2540 D
Matrix:	Water	**Unit:**	mg/L
Project:	750680202; SLO Courthouse	**Sample ID:**	MB/LCS/LCSD-300894

QC Summary Report for Total Suspended Solids

Analyte	MB Result	MDL	RL			
Total Suspended Solids	ND	1.00	1.00	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Suspended Solids	97.0	98.0	100	97	98	80-120	1.03	10

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 A **ClientCode: TWRF**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Excel

Report to:
Brendan Hayward
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
(415) 806-0696 FAX: (415) 955-9041

Email: bhayward@langan.com
cc/3rd Party: tgallagher@langan.com; abrown@langan.c
PO:
Project: 750680202; SLO Courthouse

Bill to:
Accounts Payable
Langan
135 Main St, Suite 1500
San Francisco, CA 94105
Langan_InvoiceCapture@concursolutio

Requested TAT: **5 days;**

Date Received: **08/26/2024**
Date Logged: **08/28/2024**
Date Add-On: **08/29/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2408K98-058	EB-1-GW	Water	8/22/2024 15:25	☐	G	B	H	A	D	C	A	E	A	F		
2408K98-059	MW-1-GW	Water	8/23/2024 13:24	☐		B		A			A		A			
2408K98-060	MW-6-GW	Water	8/23/2024 13:52	☐		B		A			A		A			

Test Legend:

1	300_1_W	2	8260_W	3	AMMONIA_W	4	G-MBTEX_W
5	METALSMS_DISS	6	METALSMS_TTLC_Sed	7	PRDisposal Fee	8	TDS_W
9	TPH(DMO)_W	10	TSS_W	11		12	

Prepared by: Valerie Alfaro

Add-On Prepared By: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email bhayward@langan.com

Project: 750680202; SLO Courthouse
Comments:

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024
Date Add-On: 8/29/2024

LabID	ClientSampID	Matrix	Test Name	Cont. /Comp	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
058A	EB-1-GW	Water	Multi-Range TPH Gas, Diesel, and Motor Oil	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	☐	☑	8/22/2024 15:25	5 days	9/6/2024	2%+	☐	☑
058B	EB-1-GW	Water	SW8260D (VOCs)	2	VOA w/ HCl	☐	☐	☑	8/22/2024 15:25	5 days	9/6/2024	2%+	☐	☐
058C	EB-1-GW	Water	E200.8 (Metals) <Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc>	2	250mL HDPE w/ HNO3	☐	☐	☑	8/22/2024 15:25	5 days	9/6/2024	2%+	☐	☐
058D	EB-1-GW	Water	E200.8 (Metals) (Dissolved-Lab Filtered) <Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc>	1	250mL HDPE, unprsv.	☐	☐	☑	8/22/2024 15:25	5 days	9/6/2024	2%+	☐	☐
058E	EB-1-GW	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	☐	☐	☑	8/22/2024 15:25	5 days	9/6/2024	2%+	☐	☐
058F	EB-1-GW	Water	SM2540D (TSS)	1	1LA Narrow Mouth, Unpres	☐	☐	☑	8/22/2024 15:25	5 days	9/6/2024	2%+	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont. / Comp. = Containers /Composites

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WORK ORDER SUMMARY

Client Name: LANGAN
Client Contact: Brendan Hayward
Contact's Email bhayward@langan.com

Project: 750680202; SLO Courthouse
Comments:

Work Order: 2408K98
QC Level: LEVEL 2
Date Logged: 8/28/2024
Date Add-On: 8/29/2024

LabID	ClientSampID	Matrix	Test Name	Cont. /Comp	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
058G	EB-1-GW	Water	E300.1 (Inorganic Anions) <Chloride>	1	125mL HDPE, unprsv.	☐	☐	☑	8/22/2024 15:25	5 days	9/6/2024	2%+	☐	☐
058H	EB-1-GW	Water	E350.1 (Ammonia)	1	250mL aG w/ H2SO4	☐	☐	☑	8/22/2024 15:25	5 days	9/6/2024	2%+	☐	☐
059A	MW-1-GW	Water	Multi-Range TPH Gas, Diesel, and Motor Oil	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	☐	☑	8/23/2024 13:24	5 days	9/6/2024	Trace	☐	☑
059B	MW-1-GW	Water	SW8260D (VOCs)	2	VOA w/ HCl	☐	☐	☑	8/23/2024 13:24	5 days	9/6/2024	Trace	☐	☐
060A	MW-6-GW	Water	Multi-Range TPH Gas, Diesel, and Motor Oil	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	☐	☐	☑	8/23/2024 13:52	5 days	9/6/2024	Present	☐	☑
060B	MW-6-GW	Water	SW8260D (VOCs)	4	VOA w/ HCl	☐	☐	☑	8/23/2024 13:52	5 days	9/6/2024	Present	☐	☐

NOTES: *** STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

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U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont. / Comp. = Containers /Composites

15083 2408K98 A

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

☐ 135 Main Street, Suite 1500, San Francisco, CA 94105
☐ 501 14th Street, Third Floor, Oakland, CA 94612
☐ 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
☐ 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: SLO Courthouse
Job Number: 750680202
Project Manager\Contact: Brendan Hayward 415 bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required): Tessa Gallagher

Turnaround Time: ~~Standard~~

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice			Analysis Requested: TPH-d, mo	VOCs	SVOCs	CAM 17 (total)	CAM 17 (dissolved)	Total Dissolved Solids	Total Suspended Solids	Chemical Oxygen Demand	Ammonia	Chloride	Sodium		Silica gel clean-up	Hold	Remarks
EB-1-GW	8/22/24	1525			X						X			X	X		X	X	X	X	*	X	X				cc: Adam Brown abrown@langan.com Tessa Gallagher tgallagher@langan.com
MW-1-GW	8/23/24	1324			X						X			X	X		X	X									*Set up Ammonia per client email. VA- 8/29/24
MW-6-GW	8/23/24	1352			X						X			X	X		X	X									^Wants waters reported out separately per email. VA. 8/29/24

Relinquished by: (Signature)	Date: 8/24/24	Time 1540	Received by: (Signature)	Date 8/26/24	Time 1200
Relinquished by: (Signature)	Date: 8/26/24	Time 1630	Received by: (Signature)	Date 8/26/24	Time 1630
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment ☐ Lab courier ☐ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com
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13 September 2024

McCampbell Analytical/Alpha Quote 232557
Attn: Jena Alfaro
1534 Willowpass Rd.
Pittsburg, CA 94565
RE: Soil Testing
Work Order: 24H4825

Enclosed are the results of analyses for samples received by the laboratory on 08/30/24 09:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheri Speaks

Sheri L. Speaks
Project Manager

Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

McCampbell Analytical/Alpha Quote 232557	Project Manager: Jena Alfaro	
1534 Willowpass Rd.	Project: Soil Testing	Reported:
Pittsburg, CA 94565	Project Number: SLO Courthouse	09/13/24 09:09

Bay Area: 262 Rickenbacker Circle | Livermore, CA 94551 | 925-828-6226 | ELAP# 2728
Central Valley: 9090 Union Park Way Suite 113 | Elk Grove, CA 95624 | 916-686-5190 | ELAP# 2922
North Bay: 737 Southpoint Blvd Unit D| Petaluma, CA 94954 | 707-769-3128 | ELAP# 2303
San Diego: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | 760-930-2555 | ELAP# 3055
Los Angeles: 1230 E. 223rd Street Suite 205 | Carson, CA 90745 | 424-267-5032 | ELAP# 3091

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EB-1-GW	24H4825-28	Water	08/22/24 15:25	08/30/24 09:30
MW-1-GW	24H4825-29	Water	08/23/24 13:24	08/30/24 09:30
MW-6-GW	24H4825-30	Water	08/23/24 13:52	08/30/24 09:30

This represents an amended copy of the original report.
Water results reported separately at client request.

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McCampbell Analytical/Alpha Quote 232557	Project Manager: Jena Alfaro	
1534 Willowpass Rd.	Project: Soil Testing	Reported:
Pittsburg, CA 94565	Project Number: SLO Courthouse	09/13/24 09:09

	Result	Units	Reporting Limit	Dilution	Batch	Prepared	Analyzed	ELAP#	Method	Note
EB-1-GW (24H4825-28)			**Sample Type: Water**			**Sampled: 08/22/24 15:25**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/L	100	1	AI43232	09/03/24 12:00	09/04/24 19:05	2303	EPA 8015B	
MW-1-GW (24H4825-29)			**Sample Type: Water**			**Sampled: 08/23/24 13:24**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/L	100	1	AI43232	09/03/24 12:00	09/04/24 19:35	2303	EPA 8015B	
MW-6-GW (24H4825-30)			**Sample Type: Water**			**Sampled: 08/23/24 13:52**				
TPH by EPA GC Methods										
TPH as Gasoline	ND	ug/L	100	1	AI43232	09/03/24 12:00	09/04/24 20:06	2303	EPA 8015B	

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McCampbell Analytical/Alpha Quote 232557	Project Manager: Jena Alfaro	
1534 Willowpass Rd.	Project: Soil Testing	Reported:
Pittsburg, CA 94565	Project Number: SLO Courthouse	09/13/24 09:09

TPH by EPA GC Methods - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AI43232 - NB EPA 5030 Water GC										
Blank (AI43232-BLK1)				Prepared & Analyzed: 09/03/24						
TPH as Gasoline	ND	100	ug/L							
LCS (AI43232-BS1)				Prepared & Analyzed: 09/03/24						
TPH as Gasoline	969	100	ug/L	1000		96.9	70-130			
Matrix Spike (AI43232-MS1)	**Source: 24I0098-01**			Prepared & Analyzed: 09/03/24						
TPH as Gasoline	1020	100	ug/L	1000	ND	102	60-140			
Matrix Spike Dup (AI43232-MSD1)	**Source: 24I0098-01**			Prepared & Analyzed: 09/03/24						
TPH as Gasoline	925	100	ug/L	1000	ND	92.5	60-140	9.95	20	

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McCampbell Analytical/Alpha Quote 232557	Project Manager: Jena Alfaro	
1534 Willowpass Rd.	Project: Soil Testing	Reported:
Pittsburg, CA 94565	Project Number: SLO Courthouse	09/13/24 09:09

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
REC	Recovery
RPD	Relative Percent Difference

* ELAP does not offer accreditation in this matrix for the requested analyte/method combination.

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1534 Willow Pass Rd
Pittsburg, CA 94565-1701
Phone: (925) 252-9262
Fax: (925) 252-9269

SUB CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 **ClientCode: TWRF** **EDF: NO**

☑ EQuIS

Subcontractor:
Alpha Analytical Laboratories (Liv & Ukiah)
262 Rickenbacker Circle

Livermore, CA 94551

QC Level: LEVEL 2
Project Name: SLO Courthouse
Project Number: 2408K98

24H 4/825
0.6

MAI Lab ID	ClientSampID	Source Name	PS Code	Matrix	Collection Date	TAT	Requested Tests (see Legend below) 1	2	3	4	5	6
2408K98-001A	EB-1-1.0			Soil	8/22/2024 11:59	STD	1					
2408K98-003A	EB-1-5.0			Soil	8/22/2024 12:09	STD	1					
2408K98-005A	EB-2-3.0			Soil	8/22/2024 14:35	STD	1					
2408K98-006A	EB-2-5.0			Soil	8/22/2024 14:56	STD	1					
2408K98-008A	EB-3-5.0			Soil	8/23/2024 12:05	STD	1					
2408K98-010A	EB-3-8.5			Soil	8/23/2024 12:30	STD	1					
2408K98-011A	EB-3-1.0			Soil	8/23/2024 11:57	STD	1					
2408K98-012A	EB-4-1.0			Soil	8/23/2024 8:37	STD	1					
2408K98-013A	EB-4-3.0			Soil	8/23/2024 8:39	STD	1					
2408K98-015A	EB-4-7.0			Soil	8/23/2024 8:45	STD	1					
2408K98-017A	EB-5-1.0			Soil	8/22/2024 9:38	STD	1					

Test Legend:

1	SW8021B/8015Bm (G/~~MBTEX~~)	2	SW8021B/8015Bm (G/~~MBTEX~~)	3	
4		5		6	

Comments: **PLEASE USE 'CLIENT ID' AS THE SAMPLE ID AND EMAIL ASAP!**
5DAY TAT. TPH-GAS ONLY BY 8015.

Please email results to at subdata@mccampbell.com upon completion.

		Date/Time			Date/Time
Relinquished by:		8/29/24	Received by:		8/29/24 830
Relinquished by:		8/29/24 931	Received by:		8/29/24 931
		8/29/24			8-29-24 0930

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Pittsburg, CA 94565-1701
Phone: (925) 252-9262
Fax: (925) 252-9269

SUB CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 **ClientCode: TWRF** **EDF: NO**

☑ EQuIS

Subcontractor:
Alpha Analytical Laboratories (Liv & Ukiah)
262 Rickenbacker Circle

Livermore, CA 94551

QC Level: LEVEL 2
Project Name: SLO Courthouse
Project Number: 2408K98

24114825

0.6

MAI Lab ID	ClientSampID	Source Name	PS Code	Matrix	Collection Date	TAT	Requested Tests (see Legend below) 1	2	3	4	5	6
2408K98-020A	EB-5-10.0			Soil	8/22/2024 9:53	STD	1					
2408K98-021A	EB-6-1.0			Soil	8/23/2024 7:57	STD	1					
2408K98-022A	EB-6-3.0			Soil	8/23/2024 8:00	STD	1					
2408K98-024A	EB-5-5.0			Soil	8/22/2024 9:44	STD	1					
2408K98-025A	EB-6-7.0			Soil	8/23/2024 8:05	STD	1					
2408K98-027A	EB-7-1.0			Soil	8/23/2024 8:54	STD	1					
2408K98-029A	EB-7-5.0			Soil	8/23/2024 8:57	STD	1					
2408K98-033A	B-6-3			Soil	8/23/2024 10:10	STD	1					
2408K98-034A	B-7-1			Soil	8/22/2024 13:20	STD	1					
2408K98-038A	B-7-10			Soil	8/22/2024 14:20	STD	1					
2408K98-041A	B-8-3			Soil	8/22/2024 10:25	STD	1					

Test Legend:

1	SW8021B/8015Bm (G/~~MBTEX~~)	2	SW8021B/8015Bm (G/~~MBTEX~~)	3	
4		5		6	

Comments: **PLEASE USE 'CLIENT ID' AS THE SAMPLE ID AND EMAIL ASAP!**
5DAY TAT. TPH-GAS ONLY BY 8015.

Please email results to at subdata@mccampbell.com upon completion.

	Date/Time		Date/Time
Relinquished by:	8/29/24	Received by:	8/29/24 0830
Relinquished by:	8/29/24 931	Received by:	8/29/24 0931
	8/29/24		8-30-24 0930

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Pittsburg, CA 94565-1701
Phone: (925) 252-9262
Fax: (925) 252-9269

SUB CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408K98 **ClientCode: TWRF** **EDF: NO**

☑ EQuIS

Subcontractor:
Alpha Analytical Laboratories (Liv & Ukiah)
262 Rickenbacker Circle

Livermore, CA 94551

QC Level: LEVEL 2
Project Name: SLO Courthouse
Project Number: 2408K98

24H4825
0.6

MAI Lab ID	ClientSampID	Source Name	PS Code	Matrix	Collection Date	TAT	Requested Tests (see Legend below) 1	2	3	4	5	6
2408K98-043A	B-8-7			Soil	8/22/2024 10:56	STD	1					
2408K98-046A	B-9-1			Soil	8/23/2024 10:50	STD	1					
2408K98-048A	B-9-5			Soil	8/23/2024 11:10	STD	1					
2408K98-052A	B-10-1			Soil	8/22/2024 16:05	STD	1					
2408K98-054A	B-10-5			Soil	8/22/2024 16:15	STD	1					
2408K98-058A	EB-1-GW			Water	8/22/2024 15:25	STD		1				
2408K98-059A	MW-1-GW			Water	8/23/2024 13:24	STD		1				
2408K98-060A	MW-6-GW			Water	8/23/2024 13:52	STD		1				

Test Legend:

1	SW8021B/8015Bm (G/~~MBTEX~~)	2	SW8021B/8015Bm (G/~~MBTEX~~)	3	
4		5		6	

Comments: **PLEASE USE 'CLIENT ID' AS THE SAMPLE ID AND EMAIL ASAP!**
5DAY TAT. TPH-GAS ONLY BY 8015.

Please email results to at subdata@mccampbell.com upon completion.

		Date/Time			Date/Time
Relinquished by:		8/29/24	Received by:		8/29/24 830
Relinquished by:		8/29/24 931	Received by:		8/29/24 931
		8/29/24			8-29-24 0931

Langan
135 Main Street, Suite 1500
San Francisco, California 94105
Tel: 415.955.5200

RE: 1144 Monterey Street

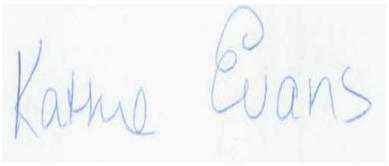
Work Order No.: 2408192

Dear Brendan Hayward:

Torrent Laboratory, Inc. received 4 sample(s) on August 26, 2024 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Kathie Evans
Project Manager

September 03, 2024
Date

Date: 9/3/2024

Client: Langan

Project: 1144 Monterey Street

Work Order: 2408192

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Brendan Hayward
Langan

Date Received: 08/26/24
Date Reported: 09/03/24

EB-6-SV 2408192-001

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	39.6	0.42	20	1.0%
Oxygen	D1946	51.7	0.55	2.6	20%
Nitrogen	D1946	51.7	1.4	2.6	76%
Carbon Disulfide	TO15	2.3	0.86	3.6	18
2-Propanol (Isopropyl Alcohol)	TO15	2.3	2.9	28	62
Acetone	TO15	2.3	0.91	27	370
tert-Butanol	TO15	2.3	1.4	3.5	46
Toluene	TO15	2.3	1.7	4.3	32
Tetrachloroethylene	TO15	2.3	3.4	7.8	12
Ethyl Benzene	TO15	2.3	1.4	5.0	5.0
m,p-Xylene	TO15	2.3	2.2	5.0	28
o-Xylene	TO15	2.3	0.70	5.0	12
4-Ethyl Toluene	TO15	2.3	1.3	5.7	39
1,3,5-Trimethylbenzene	TO15	2.3	0.69	5.7	28
1,2,4-Trimethylbenzene	TO15	2.3	1.4	5.7	64
Naphthalene	TO15	2.3	2.9	6.0	57

EB-7-SV 2408192-002

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Oxygen	D1946	3.5	0.037	0.18	4.2%
Nitrogen	D1946	3.5	0.092	0.18	78%
Carbon Disulfide	TO15	3.8	1.4	5.9	8.1
Acetone	TO15	3.8	1.5	45	170
tert-Butanol	TO15	3.8	2.3	5.8	18
Toluene	TO15	3.8	2.9	7.2	15
m,p-Xylene	TO15	3.8	3.7	8.2	11
4-Ethyl Toluene	TO15	3.8	2.1	9.3	15
1,3,5-Trimethylbenzene	TO15	3.8	1.1	9.3	10
1,2,4-Trimethylbenzene	TO15	3.8	2.3	9.3	25
Naphthalene	TO15	3.8	4.8	10.	20

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Brendan Hayward
Langan

Date Received: 08/26/24
Date Reported: 09/03/24

EB-3-SV 2408192-003

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Carbon Dioxide	D1946	8.7	0.087	0.44	2.8%
Oxygen	D1946	8.7	0.092	0.44	14%
Nitrogen	D1946	8.7	0.23	0.44	77%
Acetone	TO15	3	1.2	36	350
tert-Butanol	TO15	3	1.9	4.5	30
2-Butanone (MEK)	TO15	3	1.2	4.4	87
Benzene	TO15	3	1.3	4.8	20
Toluene	TO15	3	2.3	5.7	16
4-Methyl-2-Pentanone (MIBK)	TO15	3	2.2	6.2	41
m,p-Xylene	TO15	3	2.9	6.5	10

DUP-1 2408192-004

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Carbon Dioxide	D1946	12.1	0.12	0.61	4.4%
Oxygen	D1946	12.1	0.13	0.61	15%
Nitrogen	D1946	12.1	0.32	0.61	77%
Carbon Disulfide	TO15	1.5	0.56	2.3	3.4
2-Propanol (Isopropyl Alcohol)	TO15	1.5	1.9	18	55
Acetone	TO15	1.5	0.59	18	270
tert-Butanol	TO15	1.5	0.93	2.3	28
2-Butanone (MEK)	TO15	1.5	0.58	2.2	76
Benzene	TO15	1.5	0.66	2.4	14
Toluene	TO15	1.5	1.1	2.8	12
4-Methyl-2-Pentanone (MIBK)	TO15	1.5	1.1	3.1	35
Tetrachloroethylene	TO15	1.5	2.2	5.1	7.2
m,p-Xylene	TO15	1.5	1.5	3.3	8.3

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brendan Hayward
Langan

Date/Time Received: 08/26/24, 6:08 pm
Date Reported: 09/03/24

Client Sample ID:	EB-6-SV	**Lab Sample ID:**	2408192-001A
Project Name/Location:	1144 Monterey Street	**Sample Matrix:**	Air
Project Number:	750680202		
Date/Time Sampled:	08/22/24 / 15:49	**Certified Clean WO # :**	
Canister/Tube ID:	A12203	**Received PSI :**	6.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method: FG-P **Prep Batch Date/Time:** 8/27/24 3:40:00PM
Prep Batch ID: 1163401 **Prep Analyst:** ERESK

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Helium	D1946	39.60	0.42	20	1.0		J	08/27/24	20:27	ERESK	486536

Prep Method: FG-P **Prep Batch Date/Time:** 8/30/24 11:45:00AM
Prep Batch ID: 1163489 **Prep Analyst:** ERESK

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Dioxide	D1946	51.70	0.52	2.6	ND	ND		08/30/24	12:37	ERESK	486602
Ethene	D1946	51.70	0.57	2.6	ND	ND		08/30/24	12:37	ERESK	486602
Ethane	D1946	51.70	0.68	2.6	ND	ND		08/30/24	12:37	ERESK	486602
Hydrogen	D1946	51.70	0.92	2.6	ND	ND		08/30/24	12:37	ERESK	486602
Oxygen	D1946	51.70	0.55	2.6	20			08/30/24	12:37	ERESK	486602
Nitrogen	D1946	51.70	1.4	2.6	76			08/30/24	12:37	ERESK	486602
Methane	D1946	51.70	0.12	0.26	ND	ND		08/30/24	12:37	ERESK	486602
Carbon Monoxide	D1946	51.70	1.0	2.6	ND	ND		08/30/24	12:37	ERESK	486602

NOTE: Sample was received with low canister pressure requiring very high dilution after TO15 analysis.

Prep Method: TO15-P **Prep Batch Date/Time:** 8/26/24 3:00:00PM
Prep Batch ID: 1163343 **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	TO15	2.30	3.6	5.7	ND	ND		08/27/24	9:59	BA	486496
1,1-Difluoroethane	TO15	2.30	0.79	31	ND	ND		08/27/24	9:59	BA	486496
1,2-Dichlorotetrafluoroethane	TO15	2.30	3.2	8.0	ND	ND		08/27/24	9:59	BA	486496
Chloromethane	TO15	2.30	4.7	9.5	ND	ND		08/27/24	9:59	BA	486496
Vinyl Chloride	TO15	2.30	0.52	2.9	ND	ND		08/27/24	9:59	BA	486496
1,3-Butadiene	TO15	2.30	0.78	2.5	ND	ND		08/27/24	9:59	BA	486496
Bromomethane	TO15	2.30	1.5	4.5	ND	ND		08/27/24	9:59	BA	486496
Chloroethane	TO15	2.30	1.9	3.0	ND	ND		08/27/24	9:59	BA	486496

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brendan Hayward
Langan

Date/Time Received: 08/26/24, 6:08 pm
Date Reported: 09/03/24

Client Sample ID:	EB-6-SV	**Lab Sample ID:**	2408192-001A
Project Name/Location:	1144 Monterey Street	**Sample Matrix:**	Air
Project Number:	750680202		
Date/Time Sampled:	08/22/24 / 15:49	**Certified Clean WO # :**	
Canister/Tube ID:	A12203	**Received PSI :**	6.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	8/26/24	3:00:00PM
Prep Batch ID:	1163343	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichlorofluoromethane	TO15	2.30	1.3	6.5	ND	ND		08/27/24	9:59	BA	486496
1,1-Dichloroethene	TO15	2.30	1.9	4.6	ND	ND		08/27/24	9:59	BA	486496
Freon 113	TO15	2.30	2.3	8.8	ND	ND		08/27/24	9:59	BA	486496
Carbon Disulfide	TO15	2.30	0.86	3.6	18	5.79		08/27/24	9:59	BA	486496
2-Propanol (Isopropyl Alcohol)	TO15	2.30	2.9	28	62	25.20		08/27/24	9:59	BA	486496
Methylene Chloride	TO15	2.30	1.6	24	ND	ND		08/27/24	9:59	BA	486496
Acetone	TO15	2.30	0.91	27	370	155.46		08/27/24	9:59	BA	486496
trans-1,2-Dichloroethene	TO15	2.30	1.1	4.6	ND	ND		08/27/24	9:59	BA	486496
Hexane	TO15	2.30	1.1	4.0	ND	ND		08/27/24	9:59	BA	486496
MTBE	TO15	2.30	1.0	4.2	ND	ND		08/27/24	9:59	BA	486496
tert-Butanol	TO15	2.30	1.4	3.5	46	15.18		08/27/24	9:59	BA	486496
Diisopropyl ether (DIPE)	TO15	2.30	1.7	4.8	ND	ND		08/27/24	9:59	BA	486496
1,1-Dichloroethane	TO15	2.30	1.2	4.7	ND	ND		08/27/24	9:59	BA	486496
ETBE	TO15	2.30	0.75	4.8	ND	ND		08/27/24	9:59	BA	486496
cis-1,2-Dichloroethene	TO15	2.30	1.9	4.6	ND	ND		08/27/24	9:59	BA	486496
Chloroform	TO15	2.30	2.2	5.6	ND	ND		08/27/24	9:59	BA	486496
Vinyl Acetate	TO15	2.30	1.7	4.0	ND	ND		08/27/24	9:59	BA	486496
Carbon Tetrachloride	TO15	2.30	2.5	7.2	ND	ND		08/27/24	9:59	BA	486496
1,1,1-Trichloroethane	TO15	2.30	1.8	6.3	ND	ND		08/27/24	9:59	BA	486496
2-Butanone (MEK)	TO15	2.30	0.90	3.4	ND	ND		08/27/24	9:59	BA	486496
Ethyl Acetate	TO15	2.30	1.1	4.1	ND	ND		08/27/24	9:59	BA	486496
Tetrahydrofuran	TO15	2.30	1.0	3.4	ND	ND		08/27/24	9:59	BA	486496
Benzene	TO15	2.30	1.0	3.7	ND	ND		08/27/24	9:59	BA	486496
TAME	TO15	2.30	1.5	4.8	ND	ND		08/27/24	9:59	BA	486496
1,2-Dichloroethane (EDC)	TO15	2.30	0.97	4.7	ND	ND		08/27/24	9:59	BA	486496
Trichloroethylene	TO15	2.30	1.9	6.2	ND	ND		08/27/24	9:59	BA	486496
1,2-Dichloropropane	TO15	2.30	1.8	5.3	ND	ND		08/27/24	9:59	BA	486496
Bromodichloromethane	TO15	2.30	1.7	7.7	ND	ND		08/27/24	9:59	BA	486496
1,4-Dioxane	TO15	2.30	4.1	8.3	ND	ND		08/27/24	9:59	BA	486496
trans-1,3-Dichloropropene	TO15	2.30	2.4	5.2	ND	ND		08/27/24	9:59	BA	486496
Toluene	TO15	2.30	1.7	4.3	32	8.49		08/27/24	9:59	BA	486496
4-Methyl-2-Pentanone (MIBK)	TO15	2.30	1.7	4.7	ND	ND		08/27/24	9:59	BA	486496
cis-1,3-Dichloropropene	TO15	2.30	0.97	5.2	ND	ND		08/27/24	9:59	BA	486496

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brendan Hayward
Langan

Date/Time Received: 08/26/24, 6:08 pm
Date Reported: 09/03/24

Client Sample ID:	EB-6-SV	**Lab Sample ID:**	2408192-001A
Project Name/Location:	1144 Monterey Street	**Sample Matrix:**	Air
Project Number:	750680202		
Date/Time Sampled:	08/22/24 / 15:49	**Certified Clean WO # :**	
Canister/Tube ID:	A12203	**Received PSI :**	6.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	8/26/24	3:00:00PM
Prep Batch ID:	1163343	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Tetrachloroethylene	TO15	2.30	3.4	7.8	12	1.77		08/27/24	9:59	BA	486496
1,1,2-Trichloroethane	TO15	2.30	1.3	6.3	ND	ND		08/27/24	9:59	BA	486496
Dibromochloromethane	TO15	2.30	2.6	9.8	ND	ND		08/27/24	9:59	BA	486496
1,2-Dibromoethane (EDB)	TO15	2.30	1.7	8.8	ND	ND		08/27/24	9:59	BA	486496
2-Hexanone	TO15	2.30	1.5	4.7	ND	ND		08/27/24	9:59	BA	486496
Ethyl Benzene	TO15	2.30	1.4	5.0	5.0	1.15		08/27/24	9:59	BA	486496
Chlorobenzene	TO15	2.30	1.4	5.3	ND	ND		08/27/24	9:59	BA	486496
1,1,1,2-Tetrachloroethane	TO15	2.30	1.9	7.9	ND	ND		08/27/24	9:59	BA	486496
m,p-Xylene	TO15	2.30	2.2	5.0	28	6.45		08/27/24	9:59	BA	486496
o-Xylene	TO15	2.30	0.70	5.0	12	2.76		08/27/24	9:59	BA	486496
Styrene	TO15	2.30	1.1	4.9	ND	ND		08/27/24	9:59	BA	486496
Bromoform	TO15	2.30	3.0	12	ND	ND		08/27/24	9:59	BA	486496
1,1,2,2-Tetrachloroethane	TO15	2.30	1.9	7.9	ND	ND		08/27/24	9:59	BA	486496
4-Ethyl Toluene	TO15	2.30	1.3	5.7	39	7.93		08/27/24	9:59	BA	486496
1,3,5-Trimethylbenzene	TO15	2.30	0.69	5.7	28	5.69		08/27/24	9:59	BA	486496
1,2,4-Trimethylbenzene	TO15	2.30	1.4	5.7	64	13.01		08/27/24	9:59	BA	486496
1,4-Dichlorobenzene	TO15	2.30	1.7	6.9	ND	ND		08/27/24	9:59	BA	486496
1,3-Dichlorobenzene	TO15	2.30	3.1	6.9	ND	ND		08/27/24	9:59	BA	486496
1,2-Dichlorobenzene	TO15	2.30	2.5	6.9	ND	ND		08/27/24	9:59	BA	486496
Hexachlorobutadiene	TO15	2.30	4.3	12	ND	ND		08/27/24	9:59	BA	486496
1,2,4-Trichlorobenzene	TO15	2.30	4.9	8.5	ND	ND		08/27/24	9:59	BA	486496
Naphthalene	TO15	2.30	2.9	6.0	57	10.88		08/27/24	9:59	BA	486496
(S) 4-Bromofluorobenzene	TO15	2.30	50	150	100 %			08/27/24	9:59	BA	486496

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brendan Hayward
Langan

Date/Time Received: 08/26/24, 6:08 pm
Date Reported: 09/03/24

Client Sample ID:	EB-7-SV	**Lab Sample ID:**	2408192-002A
Project Name/Location:	1144 Monterey Street	**Sample Matrix:**	Air
Project Number:	750680202		
Date/Time Sampled:	08/23/24 / 8:08	**Certified Clean WO # :**	
Canister/Tube ID:	A12191	**Received PSI :**	13.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method: FG-P **Prep Batch Date/Time:** 8/27/24 3:40:00PM
Prep Batch ID: 1163401 **Prep Analyst:** ERESK

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Helium	D1946	2.60	0.028	1.3	ND	ND		08/27/24	20:37	ERESK	486536

Prep Method: FG-P **Prep Batch Date/Time:** 8/30/24 11:45:00AM
Prep Batch ID: 1163489 **Prep Analyst:** ERESK

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Dioxide	D1946	3.50	0.035	0.18	ND	ND		08/30/24	13:00	ERESK	486602
Ethene	D1946	3.50	0.039	0.18	ND	ND		08/30/24	13:00	ERESK	486602
Ethane	D1946	3.50	0.046	0.18	ND	ND		08/30/24	13:00	ERESK	486602
Hydrogen	D1946	3.50	0.062	0.18	ND	ND		08/30/24	13:00	ERESK	486602
Oxygen	D1946	3.50	0.037	0.18	4.2			08/30/24	13:00	ERESK	486602
Nitrogen	D1946	3.50	0.092	0.18	78			08/30/24	13:00	ERESK	486602
Methane	D1946	3.50	0.0082	0.018	ND	ND		08/30/24	13:00	ERESK	486602
Carbon Monoxide	D1946	3.50	0.069	0.18	ND	ND		08/30/24	13:00	ERESK	486602

Prep Method: TO15-P **Prep Batch Date/Time:** 8/26/24 3:00:00PM
Prep Batch ID: 1163343 **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	TO15	3.80	6.0	9.4	ND	ND		08/27/24	13:10	BA	486496
1,1-Difluoroethane	TO15	3.80	1.3	51	ND	ND		08/27/24	13:10	BA	486496
1,2-Dichlorotetrafluoroethane	TO15	3.80	5.3	13	ND	ND		08/27/24	13:10	BA	486496
Chloromethane	TO15	3.80	7.8	16	ND	ND		08/27/24	13:10	BA	486496
Vinyl Chloride	TO15	3.80	0.86	4.9	ND	ND		08/27/24	13:10	BA	486496
1,3-Butadiene	TO15	3.80	1.3	4.2	ND	ND		08/27/24	13:10	BA	486496
Bromomethane	TO15	3.80	2.5	7.4	ND	ND		08/27/24	13:10	BA	486496
Chloroethane	TO15	3.80	3.1	5.0	ND	ND		08/27/24	13:10	BA	486496
Trichlorofluoromethane	TO15	3.80	2.1	11	ND	ND		08/27/24	13:10	BA	486496

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brendan Hayward
Langan

Date/Time Received: 08/26/24, 6:08 pm
Date Reported: 09/03/24

Client Sample ID:	EB-7-SV	**Lab Sample ID:**	2408192-002A
Project Name/Location:	1144 Monterey Street	**Sample Matrix:**	Air
Project Number:	750680202		
Date/Time Sampled:	08/23/24 / 8:08	**Certified Clean WO # :**	
Canister/Tube ID:	A12191	**Received PSI :**	13.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	8/26/24	3:00:00PM
Prep Batch ID:	1163343	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Dichloroethene	TO15	3.80	3.1	7.5	ND	ND		08/27/24	13:10	BA	486496
Freon 113	TO15	3.80	3.9	15	ND	ND		08/27/24	13:10	BA	486496
Carbon Disulfide	TO15	3.80	1.4	5.9	8.1	2.60		08/27/24	13:10	BA	486496
2-Propanol (Isopropyl Alcohol)	TO15	3.80	4.9	47	ND	ND		08/27/24	13:10	BA	486496
Methylene Chloride	TO15	3.80	2.7	40	ND	ND		08/27/24	13:10	BA	486496
Acetone	TO15	3.80	1.5	45	170	71.43		08/27/24	13:10	BA	486496
trans-1,2-Dichloroethene	TO15	3.80	1.8	7.5	ND	ND		08/27/24	13:10	BA	486496
Hexane	TO15	3.80	1.8	6.7	ND	ND		08/27/24	13:10	BA	486496
MTBE	TO15	3.80	1.7	6.9	ND	ND		08/27/24	13:10	BA	486496
tert-Butanol	TO15	3.80	2.3	5.8	18	5.94		08/27/24	13:10	BA	486496
Diisopropyl ether (DIPE)	TO15	3.80	2.8	7.9	ND	ND		08/27/24	13:10	BA	486496
1,1-Dichloroethane	TO15	3.80	2.1	7.7	ND	ND		08/27/24	13:10	BA	486496
ETBE	TO15	3.80	1.2	7.9	ND	ND		08/27/24	13:10	BA	486496
cis-1,2-Dichloroethene	TO15	3.80	3.2	7.5	ND	ND		08/27/24	13:10	BA	486496
Chloroform	TO15	3.80	3.7	9.3	ND	ND		08/27/24	13:10	BA	486496
Vinyl Acetate	TO15	3.80	2.9	6.7	ND	ND		08/27/24	13:10	BA	486496
Carbon Tetrachloride	TO15	3.80	4.2	12	ND	ND		08/27/24	13:10	BA	486496
1,1,1-Trichloroethane	TO15	3.80	3.0	10	ND	ND		08/27/24	13:10	BA	486496
2-Butanone (MEK)	TO15	3.80	1.5	5.6	ND	ND		08/27/24	13:10	BA	486496
Ethyl Acetate	TO15	3.80	1.8	6.8	ND	ND		08/27/24	13:10	BA	486496
Tetrahydrofuran	TO15	3.80	1.7	5.6	ND	ND		08/27/24	13:10	BA	486496
Benzene	TO15	3.80	1.7	6.1	ND	ND		08/27/24	13:10	BA	486496
TAME	TO15	3.80	2.6	7.9	ND	ND		08/27/24	13:10	BA	486496
1,2-Dichloroethane (EDC)	TO15	3.80	1.6	7.7	ND	ND		08/27/24	13:10	BA	486496
Trichloroethylene	TO15	3.80	3.1	10	ND	ND		08/27/24	13:10	BA	486496
1,2-Dichloropropane	TO15	3.80	2.9	8.8	ND	ND		08/27/24	13:10	BA	486496
Bromodichloromethane	TO15	3.80	2.8	13	ND	ND		08/27/24	13:10	BA	486496
1,4-Dioxane	TO15	3.80	6.8	14	ND	ND		08/27/24	13:10	BA	486496
trans-1,3-Dichloropropene	TO15	3.80	4.0	8.6	ND	ND		08/27/24	13:10	BA	486496
Toluene	TO15	3.80	2.9	7.2	15	3.98		08/27/24	13:10	BA	486496
4-Methyl-2-Pentanone (MIBK)	TO15	3.80	2.8	7.8	ND	ND		08/27/24	13:10	BA	486496
cis-1,3-Dichloropropene	TO15	3.80	1.6	8.6	ND	ND		08/27/24	13:10	BA	486496
Tetrachloroethylene	TO15	3.80	5.5	13	ND	ND		08/27/24	13:10	BA	486496

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brendan Hayward
Langan

Date/Time Received: 08/26/24, 6:08 pm
Date Reported: 09/03/24

Client Sample ID:	EB-7-SV	**Lab Sample ID:**	2408192-002A
Project Name/Location:	1144 Monterey Street	**Sample Matrix:**	Air
Project Number:	750680202		
Date/Time Sampled:	08/23/24 / 8:08	**Certified Clean WO # :**	
Canister/Tube ID:	A12191	**Received PSI :**	13.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	8/26/24	3:00:00PM
Prep Batch ID:	1163343	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1,2-Trichloroethane	TO15	3.80	2.2	10	ND	ND		08/27/24	13:10	BA	486496
Dibromochloromethane	TO15	3.80	4.2	16	ND	ND		08/27/24	13:10	BA	486496
1,2-Dibromoethane (EDB)	TO15	3.80	2.8	15	ND	ND		08/27/24	13:10	BA	486496
2-Hexanone	TO15	3.80	2.5	7.8	ND	ND		08/27/24	13:10	BA	486496
Ethyl Benzene	TO15	3.80	2.4	8.2	ND	ND		08/27/24	13:10	BA	486496
Chlorobenzene	TO15	3.80	2.3	8.7	ND	ND		08/27/24	13:10	BA	486496
1,1,1,2-Tetrachloroethane	TO15	3.80	3.2	13	ND	ND		08/27/24	13:10	BA	486496
m,p-Xylene	TO15	3.80	3.7	8.2	11	2.53		08/27/24	13:10	BA	486496
o-Xylene	TO15	3.80	1.2	8.2	ND	ND		08/27/24	13:10	BA	486496
Styrene	TO15	3.80	1.8	8.1	ND	ND		08/27/24	13:10	BA	486496
Bromoform	TO15	3.80	5.0	20	ND	ND		08/27/24	13:10	BA	486496
1,1,2,2-Tetrachloroethane	TO15	3.80	3.1	13	ND	ND		08/27/24	13:10	BA	486496
4-Ethyl Toluene	TO15	3.80	2.1	9.3	15	3.05		08/27/24	13:10	BA	486496
1,3,5-Trimethylbenzene	TO15	3.80	1.1	9.3	10	2.03		08/27/24	13:10	BA	486496
1,2,4-Trimethylbenzene	TO15	3.80	2.3	9.3	25	5.08		08/27/24	13:10	BA	486496
1,4-Dichlorobenzene	TO15	3.80	2.8	11	ND	ND		08/27/24	13:10	BA	486496
1,3-Dichlorobenzene	TO15	3.80	5.1	11	ND	ND		08/27/24	13:10	BA	486496
1,2-Dichlorobenzene	TO15	3.80	4.1	11	ND	ND		08/27/24	13:10	BA	486496
Hexachlorobutadiene	TO15	3.80	7.1	20	ND	ND		08/27/24	13:10	BA	486496
1,2,4-Trichlorobenzene	TO15	3.80	8.2	14	ND	ND		08/27/24	13:10	BA	486496
Naphthalene	TO15	3.80	4.8	10.	20	3.82		08/27/24	13:10	BA	486496
(S) 4-Bromofluorobenzene	TO15	3.80	50	150	110 %			08/27/24	13:10	BA	486496

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brendan Hayward
Langan

Date/Time Received: 08/26/24, 6:08 pm
Date Reported: 09/03/24

Client Sample ID:	EB-3-SV	**Lab Sample ID:**	2408192-003A
Project Name/Location:	1144 Monterey Street	**Sample Matrix:**	Air
Project Number:	750680202		
Date/Time Sampled:	08/23/24 / 10:23	**Certified Clean WO # :**	
Canister/Tube ID:	A12262	**Received PSI :**	12.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method: FG-P **Prep Batch Date/Time:** 8/27/24 3:40:00PM
Prep Batch ID: 1163401 **Prep Analyst:** ERESK

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Helium	D1946	6.60	0.071	3.3	ND	ND		08/27/24	20:48	ERESK	486536

Prep Method: FG-P **Prep Batch Date/Time:** 8/30/24 11:45:00AM
Prep Batch ID: 1163489 **Prep Analyst:** ERESK

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Dioxide	D1946	8.70	0.087	0.44	2.8			08/30/24	14:03	ERESK	486602
Ethene	D1946	8.70	0.096	0.44	ND	ND		08/30/24	14:03	ERESK	486602
Ethane	D1946	8.70	0.11	0.44	ND	ND		08/30/24	14:03	ERESK	486602
Hydrogen	D1946	8.70	0.15	0.44	ND	ND		08/30/24	14:03	ERESK	486602
Oxygen	D1946	8.70	0.092	0.44	14			08/30/24	14:03	ERESK	486602
Nitrogen	D1946	8.70	0.23	0.44	77			08/30/24	14:03	ERESK	486602
Methane	D1946	8.70	0.020	0.044	ND	ND		08/30/24	14:03	ERESK	486602
Carbon Monoxide	D1946	8.70	0.17	0.44	ND	ND		08/30/24	14:03	ERESK	486602

Prep Method: TO15-P **Prep Batch Date/Time:** 8/26/24 3:00:00PM
Prep Batch ID: 1163343 **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	TO15	3.00	4.7	7.4	ND	ND		08/27/24	13:38	BA	486496
1,1-Difluoroethane	TO15	3.00	1.0	41	ND	ND		08/27/24	13:38	BA	486496
1,2-Dichlorotetrafluoroethane	TO15	3.00	4.2	10	ND	ND		08/27/24	13:38	BA	486496
Chloromethane	TO15	3.00	6.1	12	ND	ND		08/27/24	13:38	BA	486496
Vinyl Chloride	TO15	3.00	0.68	3.8	ND	ND		08/27/24	13:38	BA	486496
1,3-Butadiene	TO15	3.00	1.0	3.3	ND	ND		08/27/24	13:38	BA	486496
Bromomethane	TO15	3.00	2.0	5.8	ND	ND		08/27/24	13:38	BA	486496
Chloroethane	TO15	3.00	2.4	4.0	ND	ND		08/27/24	13:38	BA	486496
Trichlorofluoromethane	TO15	3.00	1.7	8.4	ND	ND		08/27/24	13:38	BA	486496

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brendan Hayward
Langan

Date/Time Received: 08/26/24, 6:08 pm
Date Reported: 09/03/24

Client Sample ID:	EB-3-SV	**Lab Sample ID:**	2408192-003A
Project Name/Location:	1144 Monterey Street	**Sample Matrix:**	Air
Project Number:	750680202		
Date/Time Sampled:	08/23/24 / 10:23	**Certified Clean WO # :**	
Canister/Tube ID:	A12262	**Received PSI :**	12.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	8/26/24	3:00:00PM
Prep Batch ID:	1163343	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Dichloroethene	TO15	3.00	2.5	6.0	ND	ND		08/27/24	13:38	BA	486496
Freon 113	TO15	3.00	3.1	11	ND	ND		08/27/24	13:38	BA	486496
Carbon Disulfide	TO15	3.00	1.1	4.7	ND	ND		08/27/24	13:38	BA	486496
2-Propanol (Isopropyl Alcohol)	TO15	3.00	3.8	37	ND	ND		08/27/24	13:38	BA	486496
Methylene Chloride	TO15	3.00	2.1	31	ND	ND		08/27/24	13:38	BA	486496
Acetone	TO15	3.00	1.2	36	350	147.06		08/27/24	13:38	BA	486496
trans-1,2-Dichloroethene	TO15	3.00	1.4	5.9	ND	ND		08/27/24	13:38	BA	486496
Hexane	TO15	3.00	1.4	5.3	ND	ND		08/27/24	13:38	BA	486496
MTBE	TO15	3.00	1.3	5.4	ND	ND		08/27/24	13:38	BA	486496
tert-Butanol	TO15	3.00	1.9	4.5	30	9.90		08/27/24	13:38	BA	486496
Diisopropyl ether (DIPE)	TO15	3.00	2.2	6.3	ND	ND		08/27/24	13:38	BA	486496
1,1-Dichloroethane	TO15	3.00	1.6	6.1	ND	ND		08/27/24	13:38	BA	486496
ETBE	TO15	3.00	0.98	6.3	ND	ND		08/27/24	13:38	BA	486496
cis-1,2-Dichloroethene	TO15	3.00	2.5	5.9	ND	ND		08/27/24	13:38	BA	486496
Chloroform	TO15	3.00	2.9	7.3	ND	ND		08/27/24	13:38	BA	486496
Vinyl Acetate	TO15	3.00	2.3	5.3	ND	ND		08/27/24	13:38	BA	486496
Carbon Tetrachloride	TO15	3.00	3.3	9.4	ND	ND		08/27/24	13:38	BA	486496
1,1,1-Trichloroethane	TO15	3.00	2.4	8.2	ND	ND		08/27/24	13:38	BA	486496
2-Butanone (MEK)	TO15	3.00	1.2	4.4	87	29.49		08/27/24	13:38	BA	486496
Ethyl Acetate	TO15	3.00	1.4	5.4	ND	ND		08/27/24	13:38	BA	486496
Tetrahydrofuran	TO15	3.00	1.3	4.4	ND	ND		08/27/24	13:38	BA	486496
Benzene	TO15	3.00	1.3	4.8	20	6.27		08/27/24	13:38	BA	486496
TAME	TO15	3.00	2.0	6.3	ND	ND		08/27/24	13:38	BA	486496
1,2-Dichloroethane (EDC)	TO15	3.00	1.3	6.1	ND	ND		08/27/24	13:38	BA	486496
Trichloroethylene	TO15	3.00	2.4	8.1	ND	ND		08/27/24	13:38	BA	486496
1,2-Dichloropropane	TO15	3.00	2.3	6.9	ND	ND		08/27/24	13:38	BA	486496
Bromodichloromethane	TO15	3.00	2.2	10	ND	ND		08/27/24	13:38	BA	486496
1,4-Dioxane	TO15	3.00	5.4	11	ND	ND		08/27/24	13:38	BA	486496
trans-1,3-Dichloropropene	TO15	3.00	3.2	6.8	ND	ND		08/27/24	13:38	BA	486496
Toluene	TO15	3.00	2.3	5.7	16	4.24		08/27/24	13:38	BA	486496
4-Methyl-2-Pentanone (MIBK)	TO15	3.00	2.2	6.2	41	10.00		08/27/24	13:38	BA	486496
cis-1,3-Dichloropropene	TO15	3.00	1.3	6.8	ND	ND		08/27/24	13:38	BA	486496
Tetrachloroethylene	TO15	3.00	4.4	10	ND	ND		08/27/24	13:38	BA	486496

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brendan Hayward
Langan

Date/Time Received: 08/26/24, 6:08 pm
Date Reported: 09/03/24

Client Sample ID:	EB-3-SV	**Lab Sample ID:**	2408192-003A
Project Name/Location:	1144 Monterey Street	**Sample Matrix:**	Air
Project Number:	750680202		
Date/Time Sampled:	08/23/24 / 10:23	**Certified Clean WO # :**	
Canister/Tube ID:	A12262	**Received PSI :**	12.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	8/26/24	3:00:00PM
Prep Batch ID:	1163343	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1,2-Trichloroethane	TO15	3.00	1.8	8.2	ND	ND		08/27/24	13:38	BA	486496
Dibromochloromethane	TO15	3.00	3.3	13	ND	ND		08/27/24	13:38	BA	486496
1,2-Dibromoethane (EDB)	TO15	3.00	2.2	12	ND	ND		08/27/24	13:38	BA	486496
2-Hexanone	TO15	3.00	2.0	6.2	ND	ND		08/27/24	13:38	BA	486496
Ethyl Benzene	TO15	3.00	1.9	6.5	ND	ND		08/27/24	13:38	BA	486496
Chlorobenzene	TO15	3.00	1.8	6.9	ND	ND		08/27/24	13:38	BA	486496
1,1,1,2-Tetrachloroethane	TO15	3.00	2.5	10	ND	ND		08/27/24	13:38	BA	486496
m,p-Xylene	TO15	3.00	2.9	6.5	10	2.30		08/27/24	13:38	BA	486496
o-Xylene	TO15	3.00	0.91	6.5	ND	ND		08/27/24	13:38	BA	486496
Styrene	TO15	3.00	1.4	6.4	ND	ND		08/27/24	13:38	BA	486496
Bromoform	TO15	3.00	3.9	16	ND	ND		08/27/24	13:38	BA	486496
1,1,2,2-Tetrachloroethane	TO15	3.00	2.5	10	ND	ND		08/27/24	13:38	BA	486496
4-Ethyl Toluene	TO15	3.00	1.6	7.4	ND	ND		08/27/24	13:38	BA	486496
1,3,5-Trimethylbenzene	TO15	3.00	0.90	7.4	ND	ND		08/27/24	13:38	BA	486496
1,2,4-Trimethylbenzene	TO15	3.00	1.8	7.4	ND	ND		08/27/24	13:38	BA	486496
1,4-Dichlorobenzene	TO15	3.00	2.2	9.0	ND	ND		08/27/24	13:38	BA	486496
1,3-Dichlorobenzene	TO15	3.00	4.0	9.0	ND	ND		08/27/24	13:38	BA	486496
1,2-Dichlorobenzene	TO15	3.00	3.2	9.0	ND	ND		08/27/24	13:38	BA	486496
Hexachlorobutadiene	TO15	3.00	5.6	16	ND	ND		08/27/24	13:38	BA	486496
1,2,4-Trichlorobenzene	TO15	3.00	6.5	11	ND	ND		08/27/24	13:38	BA	486496
Naphthalene	TO15	3.00	3.8	7.9	ND	ND		08/27/24	13:38	BA	486496
(S) 4-Bromofluorobenzene	TO15	3.00	50	150	100 %			08/27/24	13:38	BA	486496

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brendan Hayward
Langan

Date/Time Received: 08/26/24, 6:08 pm
Date Reported: 09/03/24

Client Sample ID:	DUP-1	**Lab Sample ID:**	2408192-004A
Project Name/Location:	1144 Monterey Street	**Sample Matrix:**	Air
Project Number:	750680202		
Date/Time Sampled:	/	**Certified Clean WO # :**	
Canister/Tube ID:	N3994	**Received PSI :**	12.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method: FG-P — **Prep Batch Date/Time:** 8/27/24 3:40:00PM
Prep Batch ID: 1163401 — **Prep Analyst:** ERESK

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Helium	D1946	8.90	0.095	4.5	ND	ND		08/27/24	21:15	ERESK	486536

Prep Method: FG-P — **Prep Batch Date/Time:** 8/30/24 11:45:00AM
Prep Batch ID: 1163489 — **Prep Analyst:** ERESK

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Dioxide	D1946	12.10	0.12	0.61	4.4			08/30/24	14:25	ERESK	486602
Ethene	D1946	12.10	0.13	0.61	ND	ND		08/30/24	14:25	ERESK	486602
Ethane	D1946	12.10	0.16	0.61	ND	ND		08/30/24	14:25	ERESK	486602
Hydrogen	D1946	12.10	0.22	0.61	ND	ND		08/30/24	14:25	ERESK	486602
Oxygen	D1946	12.10	0.13	0.61	15			08/30/24	14:25	ERESK	486602
Nitrogen	D1946	12.10	0.32	0.61	77			08/30/24	14:25	ERESK	486602
Methane	D1946	12.10	0.028	0.061	ND	ND		08/30/24	14:25	ERESK	486602
Carbon Monoxide	D1946	12.10	0.24	0.61	ND	ND		08/30/24	14:25	ERESK	486602

Prep Method: TO15-P — **Prep Batch Date/Time:** 8/26/24 3:00:00PM
Prep Batch ID: 1163343 — **Prep Analyst:** BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	TO15	1.50	2.4	3.7	ND	ND		08/27/24	14:12	BA	486496
1,1-Difluoroethane	TO15	1.50	0.52	20	ND	ND		08/27/24	14:12	BA	486496
1,2-Dichlorotetrafluoroethane	TO15	1.50	2.1	5.2	ND	ND		08/27/24	14:12	BA	486496
Chloromethane	TO15	1.50	3.1	6.2	ND	ND		08/27/24	14:12	BA	486496
Vinyl Chloride	TO15	1.50	0.34	1.9	ND	ND		08/27/24	14:12	BA	486496
1,3-Butadiene	TO15	1.50	0.51	1.7	ND	ND		08/27/24	14:12	BA	486496
Bromomethane	TO15	1.50	0.98	2.9	ND	ND		08/27/24	14:12	BA	486496
Chloroethane	TO15	1.50	1.2	2.0	ND	ND		08/27/24	14:12	BA	486496
Trichlorofluoromethane	TO15	1.50	0.83	4.2	ND	ND		08/27/24	14:12	BA	486496

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brendan Hayward
Langan

Date/Time Received: 08/26/24, 6:08 pm
Date Reported: 09/03/24

Client Sample ID:	DUP-1	**Lab Sample ID:**	2408192-004A
Project Name/Location:	1144 Monterey Street	**Sample Matrix:**	Air
Project Number:	750680202		
Date/Time Sampled:	/	**Certified Clean WO # :**	
Canister/Tube ID:	N3994	**Received PSI :**	12.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	8/26/24	3:00:00PM
Prep Batch ID:	1163343	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Dichloroethene	TO15	1.50	1.2	3.0	ND	ND		08/27/24	14:12	BA	486496
Freon 113	TO15	1.50	1.5	5.7	ND	ND		08/27/24	14:12	BA	486496
Carbon Disulfide	TO15	1.50	0.56	2.3	3.4	1.09		08/27/24	14:12	BA	486496
2-Propanol (Isopropyl Alcohol)	TO15	1.50	1.9	18	55	22.36		08/27/24	14:12	BA	486496
Methylene Chloride	TO15	1.50	1.1	16	ND	ND		08/27/24	14:12	BA	486496
Acetone	TO15	1.50	0.59	18	270	113.45		08/27/24	14:12	BA	486496
trans-1,2-Dichloroethene	TO15	1.50	0.71	3.0	ND	ND		08/27/24	14:12	BA	486496
Hexane	TO15	1.50	0.70	2.6	ND	ND		08/27/24	14:12	BA	486496
MTBE	TO15	1.50	0.67	2.7	ND	ND		08/27/24	14:12	BA	486496
tert-Butanol	TO15	1.50	0.93	2.3	28	9.24		08/27/24	14:12	BA	486496
Diisopropyl ether (DIPE)	TO15	1.50	1.1	3.1	ND	ND		08/27/24	14:12	BA	486496
1,1-Dichloroethane	TO15	1.50	0.81	3.0	ND	ND		08/27/24	14:12	BA	486496
ETBE	TO15	1.50	0.49	3.1	ND	ND		08/27/24	14:12	BA	486496
cis-1,2-Dichloroethene	TO15	1.50	1.2	3.0	ND	ND		08/27/24	14:12	BA	486496
Chloroform	TO15	1.50	1.4	3.7	ND	ND		08/27/24	14:12	BA	486496
Vinyl Acetate	TO15	1.50	1.1	2.6	ND	ND		08/27/24	14:12	BA	486496
Carbon Tetrachloride	TO15	1.50	1.7	4.7	ND	ND		08/27/24	14:12	BA	486496
1,1,1-Trichloroethane	TO15	1.50	1.2	4.1	ND	ND		08/27/24	14:12	BA	486496
2-Butanone (MEK)	TO15	1.50	0.58	2.2	76	25.76		08/27/24	14:12	BA	486496
Ethyl Acetate	TO15	1.50	0.71	2.7	ND	ND		08/27/24	14:12	BA	486496
Tetrahydrofuran	TO15	1.50	0.67	2.2	ND	ND		08/27/24	14:12	BA	486496
Benzene	TO15	1.50	0.66	2.4	14	4.39		08/27/24	14:12	BA	486496
TAME	TO15	1.50	1.0	3.1	ND	ND		08/27/24	14:12	BA	486496
1,2-Dichloroethane (EDC)	TO15	1.50	0.63	3.0	ND	ND		08/27/24	14:12	BA	486496
Trichloroethylene	TO15	1.50	1.2	4.0	ND	ND		08/27/24	14:12	BA	486496
1,2-Dichloropropane	TO15	1.50	1.1	3.5	ND	ND		08/27/24	14:12	BA	486496
Bromodichloromethane	TO15	1.50	1.1	5.0	ND	ND		08/27/24	14:12	BA	486496
1,4-Dioxane	TO15	1.50	2.7	5.4	ND	ND		08/27/24	14:12	BA	486496
trans-1,3-Dichloropropene	TO15	1.50	1.6	3.4	ND	ND		08/27/24	14:12	BA	486496
Toluene	TO15	1.50	1.1	2.8	12	3.18		08/27/24	14:12	BA	486496
4-Methyl-2-Pentanone (MIBK)	TO15	1.50	1.1	3.1	35	8.54		08/27/24	14:12	BA	486496
cis-1,3-Dichloropropene	TO15	1.50	0.63	3.4	ND	ND		08/27/24	14:12	BA	486496
Tetrachloroethylene	TO15	1.50	2.2	5.1	7.2	1.06		08/27/24	14:12	BA	486496

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brendan Hayward
Langan

Date/Time Received: 08/26/24, 6:08 pm
Date Reported: 09/03/24

Client Sample ID:	DUP-1	**Lab Sample ID:**	2408192-004A
Project Name/Location:	1144 Monterey Street	**Sample Matrix:**	Air
Project Number:	750680202		
Date/Time Sampled:	/	**Certified Clean WO # :**	
Canister/Tube ID:	N3994	**Received PSI :**	12.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	8/26/24	3:00:00PM
Prep Batch ID:	1163343	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1,2-Trichloroethane	TO15	1.50	0.88	4.1	ND	ND		08/27/24	14:12	BA	486496
Dibromochloromethane	TO15	1.50	1.7	6.4	ND	ND		08/27/24	14:12	BA	486496
1,2-Dibromoethane (EDB)	TO15	1.50	1.1	5.8	ND	ND		08/27/24	14:12	BA	486496
2-Hexanone	TO15	1.50	0.98	3.1	ND	ND		08/27/24	14:12	BA	486496
Ethyl Benzene	TO15	1.50	0.94	3.3	ND	ND		08/27/24	14:12	BA	486496
Chlorobenzene	TO15	1.50	0.90	3.5	ND	ND		08/27/24	14:12	BA	486496
1,1,1,2-Tetrachloroethane	TO15	1.50	1.3	5.2	ND	ND		08/27/24	14:12	BA	486496
m,p-Xylene	TO15	1.50	1.5	3.3	8.3	1.91		08/27/24	14:12	BA	486496
o-Xylene	TO15	1.50	0.46	3.3	ND	ND		08/27/24	14:12	BA	486496
Styrene	TO15	1.50	0.70	3.2	ND	ND		08/27/24	14:12	BA	486496
Bromoform	TO15	1.50	2.0	7.8	ND	ND		08/27/24	14:12	BA	486496
1,1,2,2-Tetrachloroethane	TO15	1.50	1.2	5.2	ND	ND		08/27/24	14:12	BA	486496
4-Ethyl Toluene	TO15	1.50	0.82	3.7	ND	ND		08/27/24	14:12	BA	486496
1,3,5-Trimethylbenzene	TO15	1.50	0.45	3.7	ND	ND		08/27/24	14:12	BA	486496
1,2,4-Trimethylbenzene	TO15	1.50	0.89	3.7	ND	ND		08/27/24	14:12	BA	486496
1,4-Dichlorobenzene	TO15	1.50	1.1	4.5	ND	ND		08/27/24	14:12	BA	486496
1,3-Dichlorobenzene	TO15	1.50	2.0	4.5	ND	ND		08/27/24	14:12	BA	486496
1,2-Dichlorobenzene	TO15	1.50	1.6	4.5	ND	ND		08/27/24	14:12	BA	486496
Hexachlorobutadiene	TO15	1.50	2.8	8.0	ND	ND		08/27/24	14:12	BA	486496
1,2,4-Trichlorobenzene	TO15	1.50	3.2	5.6	ND	ND		08/27/24	14:12	BA	486496
Naphthalene	TO15	1.50	1.9	3.9	ND	ND		08/27/24	14:12	BA	486496
(S) 4-Bromofluorobenzene	TO15	1.50	50	150	110 %			08/27/24	14:12	BA	486496

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2408192	**Prep Method:**	TO15-P	**Prep Date:**	08/26/24	**Prep Batch:**	1163343
Matrix:	Air	**Analytical Method:**	TO15	**Analyzed Date:**	8/26/2024	**Analytical Batch:**	486496
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	ND	
1,2-Dichlorotetrafluoroethane	0.20	0.50	ND	
Chloromethane	0.99	2.0	ND	
Vinyl Chloride	0.088	0.50	ND	
1,3-Butadiene	0.15	0.50	ND	
Bromomethane	0.17	0.50	ND	
Chloroethane	0.31	0.50	ND	
Trichlorofluoromethane	0.099	0.50	ND	
1,1-Dichloroethene	0.21	0.50	ND	
Freon 113	0.13	0.50	ND	
Carbon Disulfide	0.12	0.50	ND	
2-Propanol (Isopropyl Alcohol)	0.52	5.0	ND	
Methylene Chloride	0.20	3.0	ND	
Acetone	0.17	5.0	ND	
trans-1,2-Dichloroethene	0.12	0.50	ND	
Hexane	0.13	0.50	ND	
MTBE	0.12	0.50	ND	
tert-Butanol	0.20	0.50	ND	
Diisopropyl ether (DIPE)	0.18	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.078	0.50	ND	
cis-1,2-Dichloroethene	0.21	0.50	ND	
Chloroform	0.20	0.50	ND	
Vinyl Acetate	0.22	0.50	ND	
Carbon Tetrachloride	0.18	0.50	ND	
1,1,1-Trichloroethane	0.15	0.50	ND	
2-Butanone (MEK)	0.13	0.50	0.21	
Ethyl Acetate	0.13	0.50	ND	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	ND	
TAME	0.16	0.50	ND	
1,2-Dichloroethane (EDC)	0.10	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.11	0.50	ND	
1,4-Dioxane	0.50	1.0	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
Toluene	0.20	0.50	ND	
4-Methyl-2-Pentanone (MIBK)	0.18	0.50	ND	
cis-1,3-Dichloropropene	0.093	0.50	ND	
Tetrachloroethylene	0.22	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2408192	**Prep Method:**	TO15-P	**Prep Date:**	08/26/24	**Prep Batch:**	1163343
Matrix:	Air	**Analytical Method:**	TO15	**Analyzed Date:**	8/26/2024	**Analytical Batch:**	486496
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
1,1,2-Trichloroethane	0.11	0.50	ND	
Dibromochloromethane	0.13	0.50	ND	
1,2-Dibromoethane (EDB)	0.096	0.50	ND	
2-Hexanone	0.16	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
Chlorobenzene	0.13	0.50	ND	
1,1,1,2-Tetrachloroethane	0.12	0.50	ND	
m,p-Xylene	0.23	0.50	ND	
o-Xylene	0.070	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.13	0.50	ND	
1,1,2,2-Tetrachloroethane	0.12	0.50	ND	
4-Ethyl Toluene	0.11	0.50	ND	
1,3,5-Trimethylbenzene	0.061	0.50	ND	
1,2,4-Trimethylbenzene	0.12	0.50	ND	
1,4-Dichlorobenzene	0.12	0.50	ND	
1,3-Dichlorobenzene	0.22	0.50	ND	
1,2-Dichlorobenzene	0.18	0.50	ND	
Hexachlorobutadiene	0.17	0.50	ND	
1,2,4-Trichlorobenzene	0.29	0.50	ND	
Naphthalene	0.24	0.50	ND	
Cyclohexane	0.50	0.50	ND	
Benzyl Chloride	0.20	0.50	ND	
Heptane	0.13	0.50	ND	
(S) 4-Bromofluorobenzene			90	

Work Order:	2408192	**Prep Method:**	FG-P	**Prep Date:**	08/27/24	**Prep Batch:**	1163401
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	8/27/2024	**Analytical Batch:**	486536
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Helium	110	5000	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2408192	**Prep Method:**	FG-P	**Prep Date:**	08/30/24	**Prep Batch:**	1163489
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	8/30/2024	**Analytical Batch:**	486602
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Carbon Dioxide	100	500	ND		
Ethene	110	500	ND		
Ethane	130	500	ND		
Hydrogen	180	500	ND		
Oxygen	110	500	ND		
Nitrogen	260	500	ND		
Methane	23	50	ND		
Carbon Monoxide	200	500	ND		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2408192	**Prep Method:**	TO15-P	**Prep Date:**	08/26/24	**Prep Batch:**	1163343
Matrix:	Air	**Analytical Method:**	TO15	**Analyzed Date:**	8/26/2024	**Analytical Batch:**	486496
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.21	0.50	ND	8.00	85.8	92.0	6.89	65 - 135	30	
Benzene	0.14	0.50	ND	8.00	77.7	82.9	6.38	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	88.7	96.1	7.98	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	79.6	81.5	2.33	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	79.9	93.6	15.9	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	96.9	96.3		50 - 150		

Work Order:	2408192	**Prep Method:**	FG-P	**Prep Date:**	08/27/24	**Prep Batch:**	1163401
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	8/28/2024	**Analytical Batch:**	486536
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Helium	110	100	ND	5000	101	93.0	8.05	65 - 135	30	

Work Order:	2408192	**Prep Method:**	FG-P	**Prep Date:**	08/30/24	**Prep Batch:**	1163489
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	8/30/2024	**Analytical Batch:**	486602
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Carbon Dioxide	100	500	ND	2500	71.4	70.6	1.13	65 - 135	30	
Ethene	110	500	ND	2500	104	78.4	27.7	65 - 135	30	
Ethane	130	500	ND	2500	104	79.3	26.7	65 - 135	30	
Hydrogen	180	500	ND	2500	104	85.7	19.4	65 - 135	30	
Oxygen	110	500	ND	2500	116	92.4	22.3	65 - 135	30	
Nitrogen	260	500	ND	2500	122	95.3	24.4	65 - 135	30	
Methane	230	500	ND	2500	87.5	79.8	9.07	65 - 135	30	
Carbon Monoxide	200	500	ND	2500	94.5	82.6	13.6	65 - 135	30	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Langan

Project Name: 1144 Monterey Street

Work Order No.: 2408192

Date and Time Received: 8/26/2024 6:08:00PM

Received By: Claudia Moreno

Physically Logged By: Claudia Moreno

Checklist Completed By: Claudia Moreno

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes
Container/Temp Blank temperature in compliance?	Temperature: °C
Water-VOA vials have zero headspace?	No VOA vials submitted
Water-pH acceptable upon receipt?	N/A

pH Checked by: n/a

pH Adjusted by: n/a

Comments:

Login Summary Report

Client ID: TL5493 Langan
Project Name: 1144 Monterey Street
Project # : 750680202
Report Due Date: 9/3/2024

QC Level: II
TAT Requested: 5+ day:5
Date Received: 8/26/2024
Time Received: 6:08 pm

Comments:

Work Order # : ***2408192***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
2408192-001A	EB-6-SV	08/22/24 15:49	Air				VOC_A_FG D1946 VOC_A_TO15	
Sample Note:	TO15, Helium & fixed gases							
2408192-002A	EB-7-SV	08/23/24 8:08	Air				VOC_A_FG D1946 VOC_A_TO15	
2408192-003A	EB-3-SV	08/23/24 10:23	Air				VOC_A_FG D1946 VOC_A_TO15	
2408192-004A	DUP-1		Air				VOC_A_FG D1946 VOC_A_TO15	

Torrent LABORATORY, INC.

15077

LANGAN

CHAIN OF CUSTODY RECORD

Page___ of ____

2408192

[X] 135 Main Street, Suite 1500, San Francisco, CA 94105
[ ] 501 14th Street, Third Floor, Oakland, CA 94612
[ ] 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
[ ] 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

Site Name: 1144 Monterey Street
Job Number: 750680202
Project Manager\Contact: Brendan Hayward bhayward@langan.com
Samplers: TG, MA
Recorder (Signature Required): [signature]

Turnaround Time: _____

	Field Sample Identification No.	Date	Time	Can ID / Lab Sample No.	start press	end press	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TO-15	Helium	Fixed Gases	Silica gel clean-up	Hold	Remarks
001	EB-6-SV	8/22/24	1441-1549	A12203	-28	-15			X						X	X	X			cc: abrown@langan.com tgallagher@langan.com
002	EB-7-SV	8/23/24	0750-0807	A12191	-30	-5			X						X	X	X			
003	EB-3-SV	8/23/24	1017-1023	A39444	-28	-5			X						X	X	X			
004	DUP-1								X						X	X	X			

Relinquished by: (Signature) Tessa Gallagher	Date: ~~8/25/24~~ 8/24/24	Time 0945	Received by: (Signature) Veeraj Rana	Date 8/26/24	Time 3:40
Relinquished by: (Signature) Veeraj Rana	Date: 8/26/24	Time 6:08	Received by: (Signature) Cynthia M	Date 8/26/24	Time 18:08
Relinquished by: (Signature)	Date:	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): _____
Laboratory Comments/Notes:

Method of Shipment [ ] Lab courier [ ] Fed Ex [ ] Airborne [ ] UPS [ ] Hand Carried [ ] Private Courier (Co. Name) _____

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

Canister rec'd @ ambient temp

F/C

APPENDIX C

GPRS UST SURVEY REPORT

Summary of Scanning for Underground Storage Tanks (UST's)

Prepared For: Langan

Prepared By:
Bryan Easton
Bryan.Easton@GPRSinc.com
Project Manager-Southern California
(805)305-5825

August 22, 2024

August 22, 2024

Langan
Attn: Adam Brown
Site: 1144 Monterey St San Luis Obispo CA

We appreciate the opportunity to provide this report for our work completed on August 22, 2024.

PURPOSE

The purpose of this project was to search for any suspected underground storage tanks (USTs) or suspected UST-related piping/anomalies remaining on the property. The scope of work consisted of 1 location measuring approximately 15,000 sq ft. The interiors of buildings were excluded from the scope of this project.

EQUIPMENT

- **Underground Scanning GPR Antenna**. The antenna with frequencies ranging from 250 MHz-450 MHz is mounted in a stroller frame which rolls over the surface. The surface needs to be reasonably smooth and unobstructed in order to obtain readable scans. Obstructions such as curbs, landscaping, and vegetation will limit the feasibility of GPR. The data is displayed on a screen and marked in the field in real time. The total depth achieved can be as much as 8' or more with this antenna but can vary widely depending on the types of materials being scanned through. Some soil types such as clay may limit maximum depths to 3' or less. As depth increases, targets must be larger in order to be detected and non-metallic targets can be especially difficult to locate. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. For more information, please visit: Link

PROCESS

The EM pipe locator was used to connect to accessible, traceable pipes that may be tank-related such as vent pipes or product lines. A current is induced onto the pipe which creates an electromagnetic field that can be traced using the receiver. We can then attempt to trace these pipes to their origin or end point and paint or flag their locations.

Initial GPR scans were collected in order to evaluate the data and calibrate the equipment. Based on these findings, a scanning strategy is formed, consisting of scanning the entire area to locate any potential UST's that may remain at the site. The GPR data is viewed in real time and anomalies in the data were located and marked on the surface along with their depths using paint. Relevant scan examples were saved and will be provided in this report.

LIMITATIONS

Please keep in mind that there are limitations to any subsurface investigation. The equipment may not achieve maximum effectiveness due to soil conditions, above ground obstructions, reinforced concrete, and a variety of other factors. No subsurface investigation or equipment can provide a complete image of what lies below. Our results should always be used in conjunction with as many methods as possible including consulting existing plans and drawings, exploratory excavation or potholing, visual inspection of above-ground features, and utilization of services such as One Call/811. Depths are dependent on many factors so depth accuracy can vary throughout a site and should be treated as estimates only. Relevant scan examples were saved and will be provided in this report.

FINDINGS

The subsurface conditions at the time of the scanning allowed for maximum GPR depth penetration of 6 feet in most areas. Multiple utilities were observed during the scanning; however, utility locating was not part of the scope of this project. The equipment and methods used did detect reactions from a potential UST. The following pages will provide further explanation of the findings.

Prepared for: Langan
Prepared By: Bryan Easton
Date of Scanning: 8/22/24

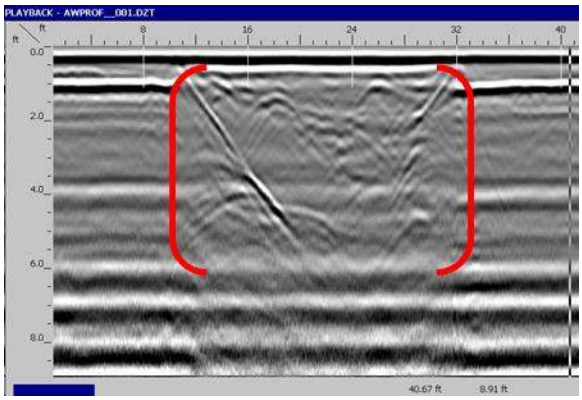
Terms and Conditions
GPRS does not provide land survey or civil engineering data collection or documentation. This is provided as a reference map of the field markings and is not survey-grade.

LEGEND

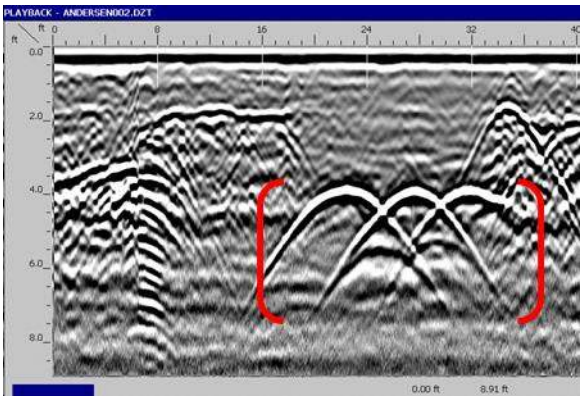
	ELECTRIC		SANITARY
	WATER		STORM
	COMM		UNKNOWN
	GAS		

1144 Monterey St San Luis Obispo CA

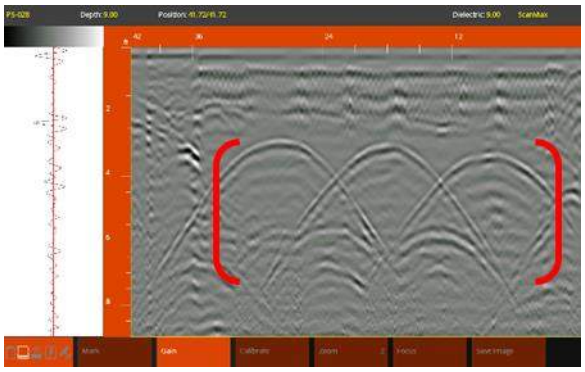
Prepared by:
GPRS



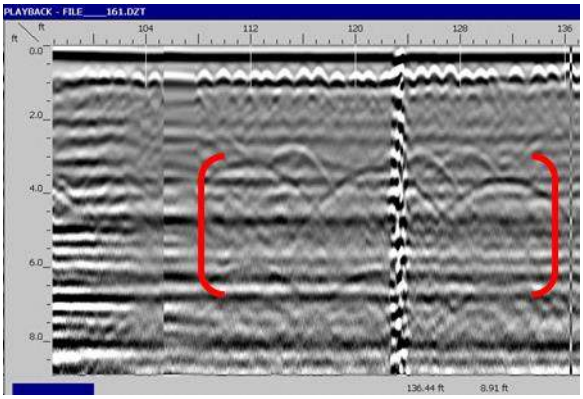
Sample GPR data screenshot showing a possible former tank pit or excavation. The change in the data from the excavation is apparent but GPR cannot determine whether this is due to a tank removal or whether tanks may still exist beyond the maximum depth penetration of the GPR signal.



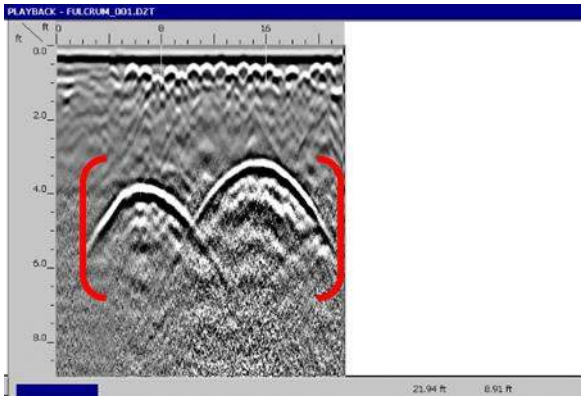
Sample GPR data screenshot showing three reactions from probable USTs. The diameters cannot be determined from these hyperbolas but they can be seen to be larger than a reaction from a typical utility.



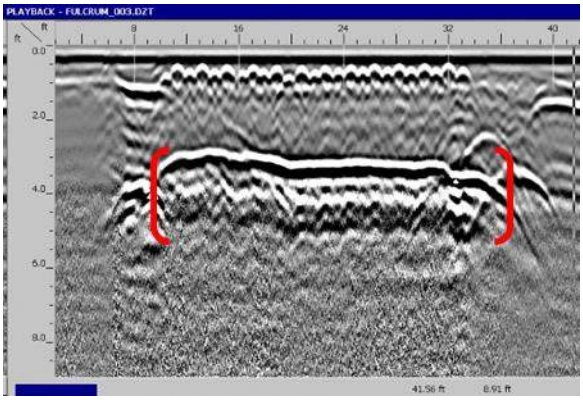
Sample GPR data screenshot showing three reactions from known USTs at an active fueling station. The concrete above the USTs is reinforced with wire mesh.



Sample GPR data screenshot showing three reactions from known USTs at an active fueling station. These USTs are non-metallic and therefore have a weaker reflection that is more difficult and sometimes impossible to identify in the GPR data.



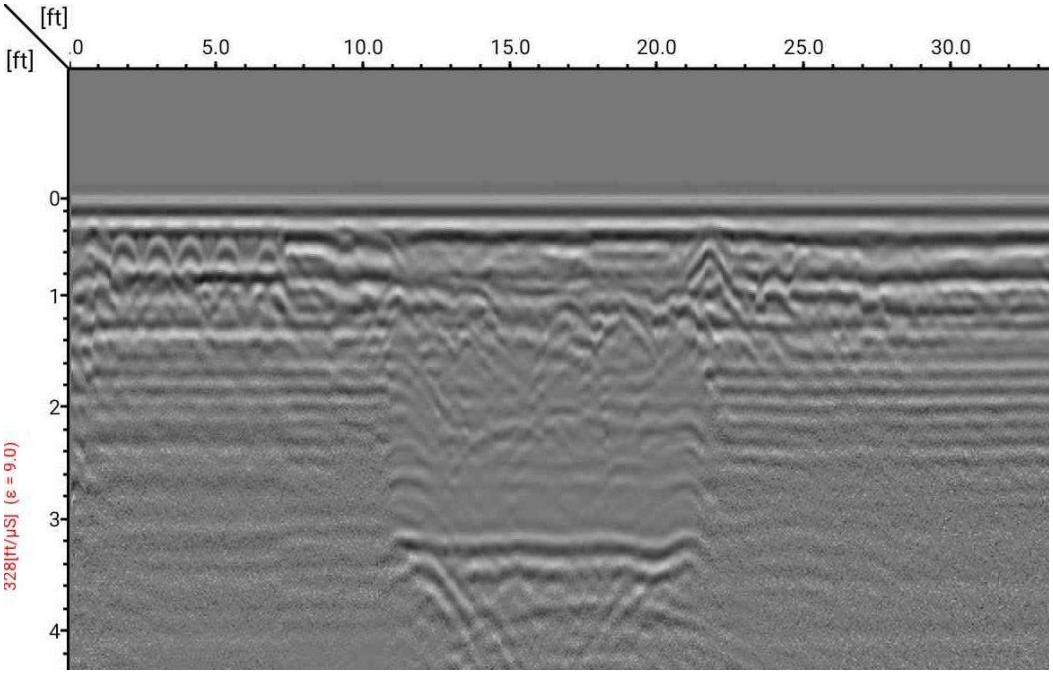
Sample GPR data screenshot showing two potential USTs. These reactions are larger than a typical utility but large utilities can look identical to a UST.



Sample GPR data screenshot showing a scan collected parallel along the top one of the suspected USTs shown in the data to the left. A parallel scan is used to determine a clear beginning and end to the reaction to the reaction which is an indicator of a UST and to determine an approximate length.

Sample Data Screenshots. (Not taken from this project)	Location: previously collected from various sites	GPRS

Picture of data capture area



GPR data a location pictured above

CLOSING

GPRS, Inc. has been in business since 2001, specializing in underground storage tank location, concrete scanning, utility locating, and shallow void detection for projects throughout the United States. I encourage you to visit our website (www.gprsinc.com) and contact any of the numerous references listed.

Located feature could potentially be a UST, or it could be an excavation of where a UST has been removed.

GPRS appreciates the opportunity to offer our services, and we look forward to continuing to work with you on future projects. Please feel free to contact us for additional information or with any questions you may have regarding this report.

Signed,

Bryan Easton
Project Manager—Southern California

Direct: (805)305-5825

Bryan.Easton@GPRSinc.com

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Appendix H

Transportation Technical Memorandum

New San Luis Obispo Courthouse
Initial Study / Mitigated Negative Declaration

KITTELSON & ASSOCIATES
155 Grand Avenue, Suite 505
Oakland, CA 94612
P 510.839.1742

Technical Memorandum

April 8, 2025 Project# 27793

To: Debra Lilly, Montrose Environmental

From: Damian Stefanakis, Senior Principal Planner, Kittelson & Associates, Inc.

Subject: Judicial Council – New Courthouse Project in San Luis Obispo – CEQA Transportation Assessment

INTRODUCTION

The Judicial Council is proposing to construct and operate a new courthouse within the city of San Luis Obispo. The purpose of this memorandum is to assess the Transportation environmental impacts of the Proposed Project based on the environmental checklist provided in Appendix G of the California Environmental Quality Act (CEQA) Guidelines.

REGULATORY SETTING

Federal Laws, Regulations, and Policies

No federal regulations are applicable to transportation in relation to the Proposed Project.

State Laws, Regulations, and Policies

California Government Code Section 65402. California Government Code Section 65402 is applicable for roadway abandonment. California Government Code section 65402(a) states that a planning agency must review the conformity of certain actions with a general plan before those actions can be taken. This includes the acquisition or disposition of real property, street vacation or abandonment, and construction of public buildings. In addition, Government Code Section 65402 requires a street abandonment to first be reviewed at a public hearing before the Planning Commission, including a CEQA determination and a determination as to the proposal's conformance with the General Plan.

California Streets and Highway Code. Division 9, Part 3 – Public Streets, Highways and Service Vacation Laws, Sections 8300-8363, includes procedures to apply for roadway abandonment. Specifically, California Vehicle Code Sections 8320-8325 pertain to the "General Vacation Procedure," which outlines the process for a local agency to vacate (essentially close off) a public street, highway, or service easement, including requirements for initiating the process, public notice, hearings, and final resolution to vacate the area. This process essentially allows for the removal of a public right-of-way from a piece of land.

California Complete Streets Act of 2008 (Assembly Bill 1358). Originally passed in 2008, California's Complete Streets Act took effect in 2011 and requires local jurisdictions to plan for

land use transportation policies that reflect a "complete streets" approach to mobility. "Complete streets" comprises a suite of policies and street design guidelines that provide for the needs of all road users, including pedestrians, bicyclists, transit operators and riders, children, older people, and people with mobility issues.

Senate Bill 743. On September 27, 2013, SB 743 was signed into law. The California State Legislature found that, with the adoption of the Sustainable Communities and Climate Protection Act of 2008 (SB 375), the State had signaled its commitment to encourage land use and transportation planning decisions and investments that reduce vehicle miles traveled (VMT) and thereby contribute to the reduction of greenhouse gas (GHG) emissions, as required by the California Global Warming Solutions Act of 2006 (AB 32). Additionally, AB 1358 (described above) requires local governments to plan for a balanced, multimodal transportation network that meets the needs of all users. To further the State's commitment to the goals of SB 375, AB 32, and AB 1358, SB 743 added Chapter 2.7, Modernization of Transportation Analysis for Transit-Oriented Infill Projects, to Division 13 (Section 21099) of the Public Resources Code.

On September 27, 2013, Governor Jerry Brown signed SB 743 into law and started a process intended to fundamentally change transportation impact analysis as part of CEQA compliance. Specifically, SB 743 removes the use of automobile delay, level of service (LOS), and other similar measures of vehicular capacity or traffic congestion for determining transportation impacts in environmental review. According to the legislative intent contained in SB 743, the move away from LOS is necessary to balance the needs of congestion management more appropriately with statewide goals related to infill development, promotion of public health through active transportation, and reduction of GHG emissions.

The legislation also directed the State of California Governor's Office of Planning and Research (OPR) to look at different metrics for identifying transportation impacts and make corresponding revisions to CEQA and the CEQA Guidelines. OPR selected VMT as the preferred metric for assessing passenger vehicle-related impacts. In December 2018, OPR issued revised CEQA Statute & Guidelines, along with a Technical Advisory: On Evaluating Transportation Impacts in CEQA (OPR 2018) to assist practitioners in implementing the CEQA Statute & Guidelines revisions to use VMT as the new metric. City of San Luis Obispo adopted a resolution on June 16, 2020, to replace LOS with VMT as the City's performance measure for CEQA analysis of transportation impacts and thresholds of significance for land use projects.

California Building Code. The State of California provides a minimum standard for building design through Title 24, Part 2, of the California Code of Regulations, commonly referred to as the California Building Code (CBC). The CBC is updated every three years. It is generally adopted on a jurisdiction-by-jurisdiction basis, subject to further modification based on local conditions. The City of San Luis Obispo regularly adopts each new CBC update under the San Luis Obispo Municipal Code and Building Code. The CBC provides emergency access standards for fire and emergency equipment on public roadways in Part 9, Appendix D. These standards include specific width, grading, design, and other specifications for roads that provide access for fire apparatuses and indicates which areas are subject to requirements for such access. The CBC also incorporates by reference the standards of the International Fire Code (IFC). The modification of streets in the City of San Luis Obispo would be subject to these and any modified State standards.

2023 California Trial Court Facilities Standards *(Facilities Standards)*. Chapter 1 of the Judicial Council's Facilities Standards defines general principles for the design and construction of functional, durable, maintainable, efficient, and secure contemporary court facilities and defines design criteria and performance goals to be applied as best practices to the Proposed Project. In Section 1D, "Sustainable Design," the Facilities Standards contains the following Best Practices related to transportation with regard to court facilities:

c. Seek opportunities to redevelop existing sites. Develop links to public transit, and create strategies for pedestrian-friendly, mixed-use communities.

Additionally, Chapter 3, "Site Design," of the Facilities Standards, Section 3D, "Integration of Building and Site," requires that trial court facilities prioritize sites that offer robust transportation options – including walking, biking, and transit – and minimize the combined GHG emissions of the building and associated commuter and visitor transportation emissions over the project's life.

Local Laws, Regulations, and Policies

The City of San Luis Obispo's General Plan includes goals, policies, and implementation measures related to transportation. Since the Judicial Council is the lead agency for the Project and acting for the State of California, local government land use planning and zoning regulations, including the City's General Plan, do not apply to the Project. However, the Project element(s) to abandon a portion of Montereypalm Alley and Toro Street will require consideration with the City's General Plan as required by the State Highway Code. The Judicial Council will consider applicable local policies and guidelines in evaluating whether the Proposed Project's impacts would be significant.[1]

San Luis Obispo General Plan. The updated Land Use and Circulation Elements of the San Luis Obispo General Plan were adopted by the City Council on December 9, 2014. The Circulation Element includes goals, policies, and actions relating to how people, products, and visitors move around San Luis Obispo. This includes cars, bicycles, pedestrians, air transportation, as well as complete streets and public transportation such as buses and shuttles.

Chapter 2, Circulation Element, of the City's General Plan includes the following policies that may relate to the Proposed Project with regard to transportation:

> 1.7.3. Manage Traffic – San Luis Obispo should ensure that development projects and subdivisions are designed and/or retrofitted to be efficiently served by buses, bike routes and pedestrian connections.
>
> 3.1.7. Transit Service Access – New development should be designed to facilitate access to transit service.

[1] As stated in *City of Malibu v. Santa Monica Mountains Conservancy* (2002) 98 Cal.App. 4th 1379,1384), "A State agency is immune from local regulations unless the Legislature expressly waives immunity in a statue or the California Constitution."

> 4.1.4. Bicycle Transportation – New Development – The City shall require that new development provide bikeways, secure bicycle storage, parking facilities and showers consistent with City plans and development standards.
>
> 4.1.10. Bicycle Transportation – Right-of-way Acquisition – The City shall identify and pursue the acquisition of rights-of-way needed to implement the projects identified in the City's Bicycle Transportation Plan.
>
> 5.1.3. Walking – New Development – New development shall provide sidewalks and pedestrian paths consistent with City policies, plans, programs and standards.
>
> 5.1.4. Pedestrian Access – New or renovated commercial and government public buildings shall provide convenient pedestrian access from nearby sidewalks and pedestrian paths, separate from driveways and vehicle entrances.
>
> 6.1.1. Complete Streets – The City shall design and operate city streets to enable safe, comfortable, and convenient access and travel for users of all abilities including pedestrians, bicyclists, transit users, and motorists.
>
> 9.1.1. Street Network Changes – New Development – The City shall require that new development assumes its fair share of responsibility for constructing new streets, bike lanes, sidewalks, pedestrian paths and bus turn-outs or reconstructing existing facilities.
>
> 9.1.5. Street Network Changes – Right-of-Way Reservation – The City shall require rights-of-way to be reserved through the building setback line process or through other mechanisms so that options for making transportation improvements are preserved.

Chapter 6, Conservation and Open Space, of the City's General Plan includes Section 4.0, "Energy." The following policies relate to the Proposed Project with regard to transportation:

> 4.4.1. Pedestrian- and bicycle-friendly design. Residences, work places and facilities for all other activities will be located and designed to promote travel by pedestrians and bicyclists.
>
> 4.4.2. Alternative transportation. The City's transportation and circulation systems shall foster travel by modes other than motor vehicles, including walking, bicycles and public transit. (See also the Community Trip Reduction Policies in the Circulation Element).

San Luis Obispo Transportation Impact Analysis Guidelines. The City of San Luis Obispo adopted its Transportation Impact Analysis Guidelines on June 16, 2020. The guidelines provide guidance on VMT assessment in accordance with SB 743 and LOS in accordance with General Plan polices. The CEQA portion of a transportation impact analysis consists of evaluation measures such as conflicts with circulation policies, VMT, hazards and emergency access. The quantitative methodology, significance thresholds, and mitigation measures for conducting the transportation analysis are primarily based on VMT metrics. The analyses related to VMT are part of the environmental review process and must meet CEQA requirements. If a project does not meet specific screening criteria, the guidelines establish a threshold of 15 percent below

average regional VMT for residential and office projects to be consistent with the citywide and GHG emission goals. Other land uses may be exempt and screened out from requiring a detailed VMT assessment.

San Luis Obispo Active Transportation Plan. The City of San Luis Obispo adopted its Active Transportation Plan on February 2, 2021. Consistent with the Sustainable Transportation Major City Goal identified in the 2019-21 Financial Plan, the City's Transportation Planning and Engineering Program has prepared the City's first Active Transportation Plan to guide future transportation planning for bicycling, walking, and other forms of human-powered transportation. The plan calls for bicycle and pedestrian improvements and circulation within the City, including future planned development of bicycle improvements that the Proposed Project would support.

In the area around the Proposed Project site, the plan identified – and the City recently implemented – improvements to make the intersection of Monterey Street and Toro Street a "protected intersection" and add a Beacon for bicycle and pedestrian safety. The Active Transportation Plan also discusses plans to improve Monterey Street with a "Protected Bike Lane" and install a neighborhood greenway on Toro Street.

San Luis Obispo Municipal Code. City of San Luis Obispo Municipal Code Section 16.18.080 ("Street Layout and Design Standards") contains design requirements that would be referenced in the redesign of the roadways affected by the abandonment process. In particular, requirements related to street widths, access, visibility, and signage.

ENVIRONMENTAL SETTING

Existing Vehicle Access

The Proposed Project site is located at the County-owned property at 1144 Monterey Street and extends north to include a portion of the Montereypalm Alley, the westerly lane of Toro Street, and a residential property at 969 Toro Street. The existing vehicle circulation system in the Proposed Project area is provided by Toro Street to the east, Monterey Street to the south, Palm Street to the north, and Santa Rosa Street to the west.

- **Toro Street** is a generally north-south two-lane residential collector east of the Proposed Project site with an approximate curb-to-curb width of 40 feet that features on-street parking on both sides and adequate sidewalks. Travel lanes are about 12 feet wide. Intersections are generally stop-sign controlled. Posted signs indicate that bikes may use the full lanes, including striped shared arrows (sharrows). The speed limit is assumed to be 25 mph.
- **Monterey Street** is a three-lane east-west collector serving local businesses south of the Proposed Project site. It features 12-foot-wide travel lanes with an approximate curb-to-curb width of 45 feet. There is metered on-street parking on both sides and adequate sidewalks.
- **Palm Street** is a two-lane east-west residential local street north of the Proposed Project site. It features metered on-street parking on both sides and adequate

sidewalks, and bikes share the road. Travel lanes are about 12 feet wide. The curb-to-curb width is approximately 38 feet, and the posted speed limit is 25 mph.

- **Santa Rosa Street** is a four-lane north-south arterial with a striped center turn lane located west of the Proposed Project site. Travel lanes are about 12 feet wide. It is a designated truck route with a posted speed limit of 25 mph and features a 3-foot-wide striped shoulder that is signed for bicycles.
- **Montereypalm Alley** is a narrow east-west alley on the northern side of the project site that would provide only service and delivery vehicle access to the Proposed Project site. The alley currently provides two points of access to the adjacent street network for existing business and residential parking areas and municipal waste pick-up for served properties – one access point with 16 feet of width to Santa Rosa Street and one access point with 14 feet of width to Toro Street as shown in the existing Alta Survey prepared by Sherwood Engineers and provided in Attachment A. There are no sidewalks or bike facilities along the alley. The Alta Survey indicates the significantly substandard width of the alley at the Toro Street access point of 14 feet compared to the City's stated minimum alley width of 20 feet.

Existing Bicycle Facilities

Existing bicycle facilities are provided as follows:

- Class 3 shared bike lanes are present along Monterey Street and include a short Class 2 striped bike lane approaching the intersection with Santa Rosa Street.
- Santa Rosa Street has Class 2 bike lanes near the Proposed Project site, including a 3-foot-wide striped shoulder that is signed for bicycles.
- Palm Street has Class 3 shared bike lanes near the Proposed Project site.
- Toro Street has Class 3 shared bike lanes along the Proposed Project frontage with sharrows.

Existing Pedestrian Facilities

Pedestrian facilities currently exist on the south and east frontages to the Proposed Project site on Monterey Street and Toro Street, respectively, with adequate sidewalk access. Marked crosswalks are present at the intersection of Santa Rosa Street and Monterey Street and the intersection of Monterey Street and Toro Street.

The City recently implemented improvements to the intersection of Monterey Street and Toro Street as a "protected intersection" and installed a beacon for bicycle and pedestrian safety. Both streets are existing "Bicycle Routes."

Existing Transit Service

SLO Transit provides bus service in San Luis Obispo. The following routes serve the Proposed Project area:

- Route 1A travels along Santa Rosa Street and has a stop at Higuera Street about one block from the Proposed Project site.
- Route 1B travels along Monterey Street with a stop at Toro Street.
- Routes 2A and 2B travel along Santa Rosa Street and have a stop at Higuera Street about one block from the Proposed Project site.
- Route 3A travels along Santa Rosa Street and has a stop at Higuera Street about two blocks from the Proposed Project site.
- Route 3B travels along Santa Rosa Street and has a stop at Higuera Street about one block from the Proposed Project site.
- Routes 4A and 4B travel along Monterey Street with a stop at Toro Street.
- Old SLO Trolley travels along Monterey Street with a stop at Toro Street.

In addition, the City's Transit Hub connecting all local and regional buses is located three blocks away on Osos Street at Palm Street.

Based on the existing transit service, the Proposed Project study area is adequately served by existing transit.

DISCUSSION OF CHECKLIST RESPONSES

a. Conflict with applicable circulation plans, ordinances, or policies and applicable congestion management programs (Less than Significant with Mitigation)

The Proposed Project has been qualitatively evaluated to determine if it is expected to conflict with applicable programs, plans, ordinances, and policies. For the purpose of this analysis, the Proposed Project could result in a significant impact if it conflicts with any of the programs, plans, ordinances, and policies listed above. A conflict could occur if the Proposed Project would preclude the ability of the City of San Luis Obispo to implement its transportation-related goals or policies as identified in the General Plan.

Construction

The Proposed Project would involve demolition of the existing County-owned property at 1144 Monterey Street and residential property at 969 Toro Street. Following demolition, construction of the new courthouse would occur at 1144 Monterey Street and extend north to include a portion of Montereypalm Alley, the southbound westerly lane of Toro Street, and the residential property.

Activities taking place during the demolition/construction phase would likely have short-term impacts on the surrounding transportation system. This may include additional truck traffic, temporary street closures, partial lane closures, and/or traffic detours. The transportation system, including day-to-day vehicular traffic, emergency response vehicles, pedestrians, bicycles, and transit, may experience temporary delays or detours. During construction, access must be maintained for surrounding land uses. Therefore, this impact would be considered potentially significant. In response, the Judicial Council will implement **Mitigation Measure TR-1 (Develop and Implement a Construction Traffic Management Plan)** that would ensure that access to

surrounding land uses would be maintained during construction activities and avoid potential conflicts with the City's circulation plans and policies.

Operations

The Proposed Project would include the abandonment of one lane of Toro Street along the eastern frontage of the Proposed Project site, as shown in the conceptual site plan in Attachment B (Moore Ruble Yudell Architects & Planners and Sherwood Engineers [MRY] 2023). This would be accomplished via a Street Abandonment Application submitted by the Judicial Council to the City of San Luis Obispo. The Toro Street right-of-way is proposed to be reduced from 60 feet to approximately 35 feet. The proposed modification of Toro Street would occur from Monterey Street extending north of the existing Montereypalm Alley outlet and would remove one vehicle lane to only allow a single direction of vehicle traffic and remove on-street parking from both sides of the street. The east side of Toro Street, including sidewalk, would remain as existing.

Since Toro Street is currently a bicycle route and the City has identified a future objective in its Active Transportation Plan to designate it as a neighborhood greenway, the City has requested that a contra-flow bikeway be provided in the opposing direction of auto traffic (e.g., auto lanes with sharrows in one direction, contra-flow bike lane in the opposite direction. Refer to Attachment C for the existing and proposed Toro Street cross sections (MRY 2023). If the street abandonment application is approved by the City, it is expected that these improvements may be specified as part of the conditions of approval. In addition, the Proposed Project would remove on-street parking along the Monterey Street frontage of the Project site. As part of this modification, the Proposed Project would construct a "Protected Bike Lane" where the on-street parking was removed.

With the described modifications and corresponding improvements proposed, the Proposed Project would support the implementation of the City's Active Transportation Plan on Monterey Street and Toro Street and the ability of the City to implement its transportation-related goals or policies.

The described modifications would be reviewed and approved by the State during completion of the engineer's site design, including working with the City to address and resolve the bicycle lanes and determination on the vehicle direction of travel on Toro Street. The City of San Luis Obispo has also adopted Resolution No. 11437 (2023 Series) supporting the Project at the Proposed Project site within the City's downtown, acknowledging that such site selection may require the City to abandon a portion of Toro Street and Montereypalm Alley to meet the needs of the Project. Within the Resolution, the City has committed to work with the Judicial Council (State) in its efforts to mitigate the potential effects on circulation and traffic flow to Toro Street, Monterey Street, and the Montereypalm Alley. Refer to Attachment D for Resolution No. 11437.

Because the courthouse would be relocated from a site approximately 1,000 feet away with no anticipated increase in employee or visitor trips, it would not result in a substantial change in travel volume in the area. However, conversion of Toro Street to one-way traffic between Monterey Street and Montereypalm Alley under the street abandonment application has the potential to result in conflicts with policies in the City's General Plan Circulation Element and

Active Transportation Plan related to bicycling, walking, and other forms of human-powered transportation. Because the Judicial Council would participate in the City's street abandonment process and the road improvements would be designed to comply with the City's street design and engineering requirements, the impact would be ***less than significant***.

Conclusion

The Proposed Project would result in a significant impact if construction activities would conflict with circulation plans, ordinances or policies or applicable congestion management programs. Mitigation Measure TR-1 would reduce the potential for such conflict to a less-than-significant level. Operation of the courthouse would involve some modifications to traffic circulation in the immediate vicinity of the site; final site design review together with the City's Resolution No. 11437 committing to work with the Judicial Council in this regard would avoid potential conflicts with circulation plans, ordinances, or policies or applicable congestion management programs. As a result, impacts related to compliance with circulation plans and policies would ***be less than significant with mitigation***.

b. Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b) (Less than Significant)

Land uses should be evaluated to determine their effect on vehicle trip length and VMT. However, based on OPR recommendations and City VMT Guidelines, it is generally accepted that this type of land use may be screened out of the requirement for a detailed VMT analysis as a public facility.

While some existing County functions (county departments) will remain in the existing Courthouse Annex Building and are expected to continue to operate there once the courthouse functions vacate, the Proposed Project would relocate all courthouse functions and operations from the existing Courthouse Annex building and consolidate court administrative staff offices that have been divided in off-site locations at 1070 Palm Street and leased space at 999 Monterey Street because of space limitations. In addition, per Section 15064.3, since the Proposed Project is shifting the location about one block from the original site and consolidating other off-site offices within close proximity, this would imply that the net change in VMT would be minimal. Therefore, this Project would not result in a substantial VMT impact.

The City of San Luis Obispo VMT Guidelines provide screening thresholds for project exemptions that do not apply to the Proposed Project but are considered by the Judicial Council to determine whether the Proposed Project would have significant impacts. These guidelines list local-serving public facilities such as police and fire stations, libraries, and neighborhood parks without sporting fields, as uses that may be assumed to cause a less-than-significant impact for VMT and therefore would be exempt from VMT analysis. The Proposed Project is a public facility, and it does serve the local and regional community, similar to the existing courthouse. The impact related to VMT would be ***less than significant.***

c. Increased hazards resulting from geometric design features (Less than Significant)

Any project that causes a substantial increase in on-street hazards due to geometric design will potentially result in a significant impact. The method for determining geometric design impact involves examining the existing interactions on roadways around the Proposed Project site between vehicles to vehicles, vehicles to bikes, and vehicles to pedestrians, and determining how those interactions may change with the Proposed Project.

The Proposed Project conceptual site plan calls for closure of the jogged eastern leg of Montereypalm Alley, which currently has two points of access to the adjacent street network; one access point to Santa Rosa Street and one access point to Toro Street for the alley-adjacent properties. This closure would change the access points for some existing land uses; however, while their sole access for entry and egress would now be via Santa Rosa Street, the vehicular volumes are deemed sufficiently low that this modification would not have a substantial effect on traffic circulation. According to the Alta Survey prepared by Sherwood Engineers (Attachment A), the existing alley is only 16 feet wide at Santa Rosa Street and 14 feet wide at Toro Street. For reference, the minimum alley width per current City engineering standards is 20 feet. Given the narrow width, two-way circulation may be constrained, depending upon vehicle size; vehicles exiting the alley may temporarily block entering vehicles. To minimize on-street queueing, measures may be considered to restrict the Santa Rosa Street access point to a right-in and right-out only (or other) with appropriate signage. Line of sight and visibility would not change with implementation of the Proposed Project, and traffic levels are deemed sufficiently low for this to be less than significant.

Given there is no current truck turnout, waste management trucks currently enter the alley from one access point and exit from the other access point of the alley. Furthermore, the use of Montereypalm Alley by the Proposed Project would be limited to service and delivery vehicles and waste management trucks; the conceptual site design includes a designated turn-out for court delivery and service vehicles and could additionally be utilized by the waste management trucks accessing and servicing the alley. The architect and engineer for the Proposed Project has studied the turning radius into the alley to verify operability and function; refer to Attachment E (MRY 2023). With the exception of the existing shortfall in minimum width of the alley, the proposed conceptual site design and new alley configuration would adhere to relevant geometric design standards, including cul-de-sac and pedestrian warning signage.

Although the Proposed Project is relocating services to a new location, most court-related traffic would remain unchanged. Juror, public, and staff parking would continue at the City's public parking garages at 812 Palm street, 919 Palm Street, and 680 Monterey Street. Only 17 parking spaces for judges and court executives and five parked court vehicles would be moved one block from the surface lot at the existing Courthouse Annex to the new location. No additional vehicular, pedestrian, or bicycle traffic would be generated by the Proposed Project. In addition, the 107 existing parking spaces located at 1144 Monterey Street (the Proposed Project site), which are currently being utilized by County staff and the County Public Works vehicle fleet, would be removed along with demolition of the existing building, and the conceptual site design identifies parking spaces for only 22-25 vehicles. Therefore, as a result of the Proposed Project, the overall level of traffic in the immediate area may decrease.

The Proposed Project site would introduce new access driveways and may modify the location of sidewalks and bike lanes resulting from restricting Toro Street to one-way vehicular traffic and

removing on-street parking on both sides of Toro Street and the west-bound side of Monterey Street for the length of the site frontage. However, because the site plan design would adhere to the Facilities Standards and the Judicial Council would participate in the City's street abandonment process and design the road improvements to comply with the City's street design and engineering requirements, all transportation modes would be adequately accommodated as part of the design. Therefore, the Proposed Project would not increase hazards from geometric design features, as indicated in Attachment E. The impact would be ***less than significant.***

d. Inadequate emergency access (Less than Significant with Mitigation)

Construction

The Proposed Project would involve demolition of the existing County-owned property at 1144 Monterey Street and residential property at 969 Toro Street. Following demolition, construction of the new courthouse will occur at 1144 Monterey Street with building vehicular set-back buffers extending north to include a portion of Montereypalm Alley, the southbound westerly lane of Toro Street, and the existing residential property north of Montereypalm Alley.

Activities taking place during the demolition/construction phase would likely have short-term impacts to emergency access. As described above in item (a), implementation of Mitigation Measure TR-1 would clearly identify emergency access points and ensure that access to existing land uses is maintained during construction.

Operations

The Proposed Project site plan may involve redesigning intersections and/or driveways. The new configuration would modify or limit access to some nearby properties, particularly with regard to emergency access to the site for fire trucks or emergency vehicles (EVAs). The final site plan should clearly identify all access locations, driveways, and EVA access, as well as fire truck turning templates. These should be reviewed by the City Fire Department (FD) at the design stage to confirm their equipment can reach the building areas. With approval of the site plan by the Office of the State Fire Marshal (OSFM) and FD, the impact of Proposed Project operations on emergency access would be ***less than significant***.

Conclusion

Project-related construction activities would obstruct, modify, and/or delay emergency access to and around the site. Implementation of Mitigation Measure TR-1, described in item (a) above, would ensure that emergency vehicles have unimpeded access to the area. Courthouse operations would be subject to standard FD and OSFM review and approvals, therefore, would be confirmed to maintain acceptable emergency access. The impact would be ***less than significant with mitigation.***

Mitigation Measures

Mitigation Measure TR-1: Develop and Implement a Construction Traffic Management Plan

The Judicial Council shall require that the construction contractor develop and implement a construction traffic management plan for the Proposed Project site. The plan will clearly identify how access for emergency vehicles will be maintained to and around the site during construction. The plan will also describe how access and circulation for pedestrians, cars, cyclists, and transit will be maintained around the site during construction.

REFERENCES:

DRG. 2024. Alta Survey. Prepared for Sherwood Engineering.

Moore Ruble Yudell Architects & Planners and Sherwood Engineers. 2023. Superior Court of San Luis Obispo County – Draft New Courthouse Site Selection. July 1, 2023.

MRY. *See* Moore Ruble Yudell Architects & Planners and Sherwood Engineers.

ATTACHMENTS:

- Attachment A – Alta Land Survey prepared by DRG, Inc. for Sherwood Engineers, August 2024

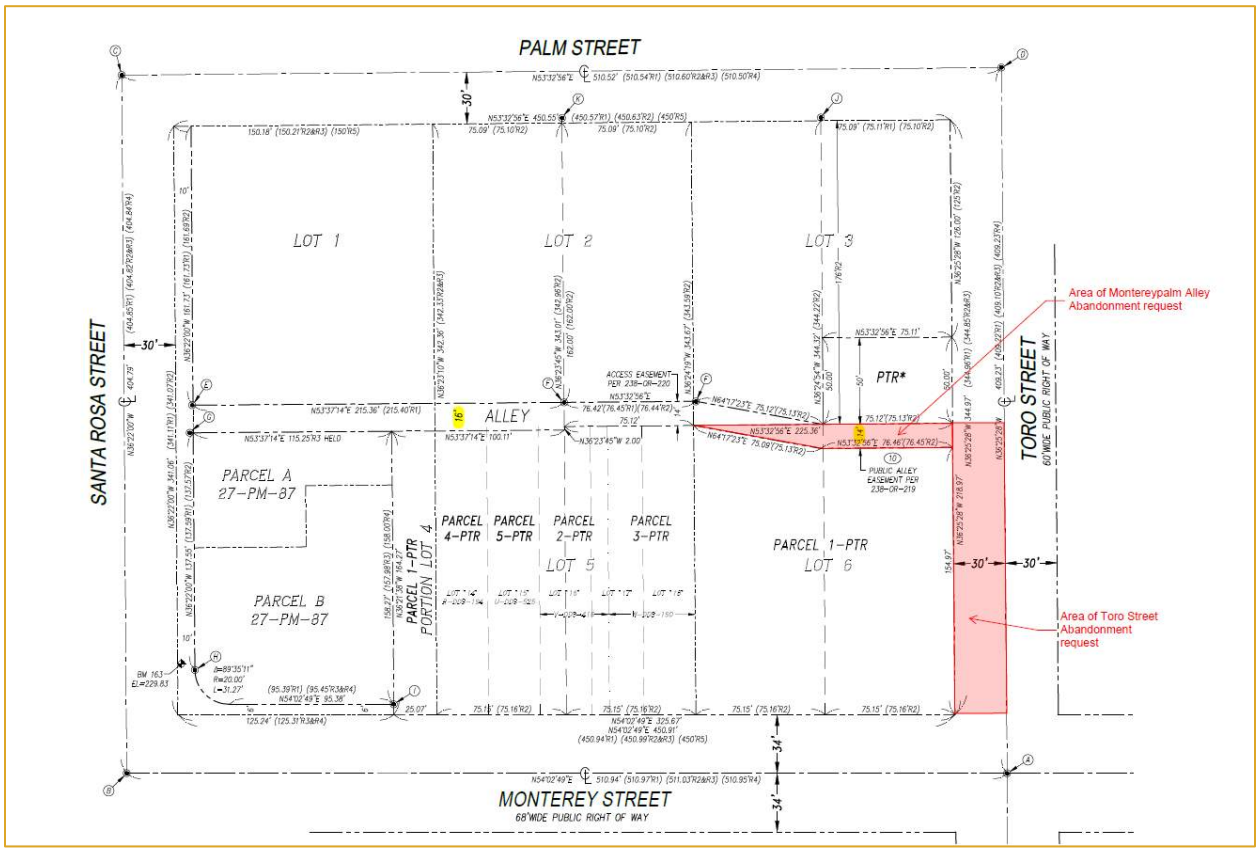
- Attachment B – Conceptual Project Site Plan by Moore Ruble Yudell, January 16, 2024

- Attachment C – Roadway Cross Sections – Moore Ruble Yudell, Architects and Engineers, July 1, 2023

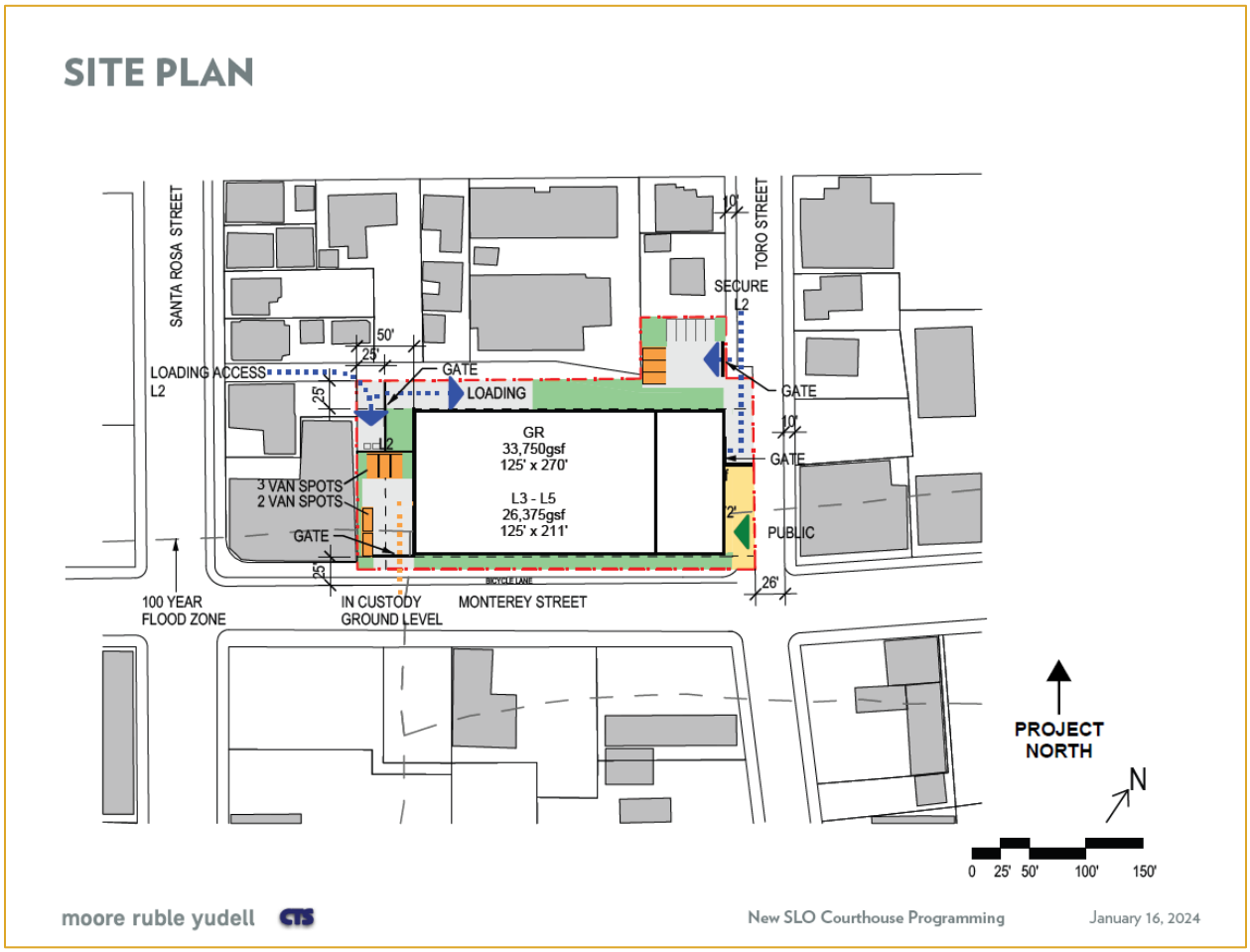
- Attachment D – City Resolution No. 11437 supporting the Proposed Project, with acknowledgement of the Toro Street Abandonment process

- Attachment E – Turning Radius Study – Moore Ruble Yudell, Architects and Engineers, July 1, 2023

Attachment A – Alta Land Survey prepared by DRG for Sherwood Engineers



Attachment B – Conceptual Project Site Plan by Moore Ruble Yudell, January 16, 2024

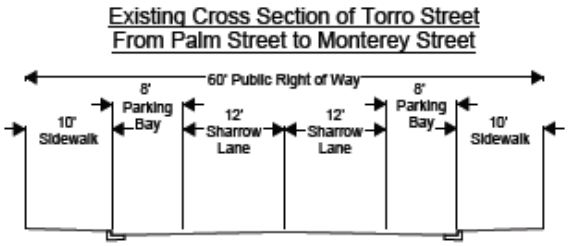


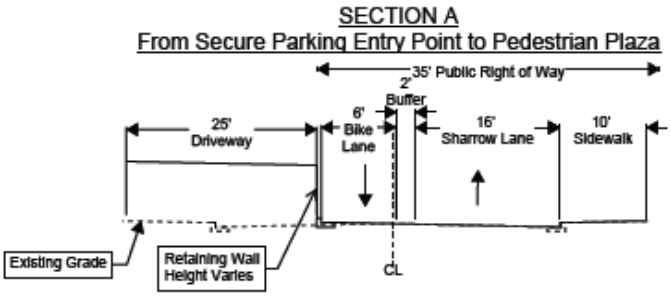
Attachment C– Roadway Cross Sections – Moore Ruble Yudell, Architects and Engineers, July 1, 2023

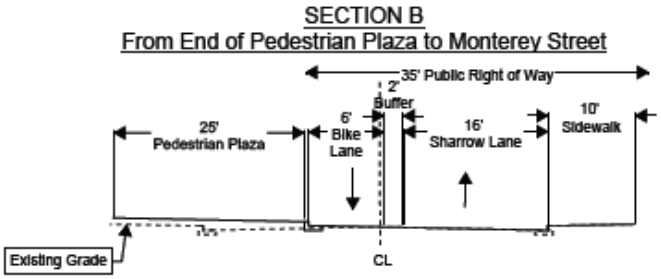
TORO STREET ACCESS

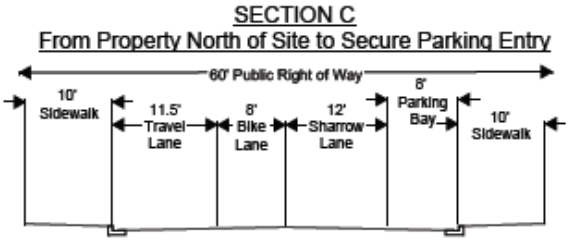
In order to accommodate secure parking access from Toro Street, the southbound lane of Toro Street will be closed off and the remaining street limited to one-way traffic with a bike lane. An elevated vehicular ramp with retaining walls will be built to address the grade change along Toro Street at the north end of the site. The ramp will require northbound one-way traffic along Toro Street as well as the relocation of existing wet and dry utilities in the public right-of-way. The partial Toro Street closure is fully supported by the City. Refer to A.12 in the Appendix for the City Manager Letter of Support.

If the residential property is acquired, the traffic circulation can be simplified with access into secure parking from the court vehicle surface parking lot, eliminating the need for a built-up ramp.









Toro Street Cross Sections

NEW SLO SUPERIOR COURTHOUSE SITE SELECTION JUDICIAL COUNCIL OF CALIFORNIA MOORE RUBLE YUDELL | CTS | SHERWOOD | LANGAN JULY 2023 43

Attachment D – City Resolution No. 11437 supporting the Proposed Project, with acknowledgement of the Toro Street Abandonment process

RESOLUTION NO. 11437 (2023 SERIES)

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SAN LUIS OBISPO, CALIFORNIA, EXPRESSING SUPPORT FOR THE DOWNTOWN AREA AS THE PREFERRED LOCATION FOR A NEW FACILITY FOR THE SUPERIOR COURT OF CALIFORNIA (COUNTY OF SAN LUIS OBISPO COURTHOUSE)

WHEREAS, the City of San Luis Obispo is the largest city in the County of San Luis Obispo; and

WHEREAS, on July 18, 2023, the City Council expressed support for the Court location to remain in the downtown; and

WHEREAS, the Judicial Council of California (Judicial Council) is responsible for and has final approval authority over all court facilities projects pursuant to the Trial Court Facilities Act (Gov. Code §§70301 et seq.); and

WHEREAS, the Judicial Council of California is the Lead Agency for the evaluation, environmental review, siting, funding, and construction of a Court Facility pursuant to CEQA Guidelines 15051(a) and the City will work with the State during the development and environmental review stages of the project and may submit comments as a responsible agency as defined under CEQA; and

WHEREAS, the City Council acknowledges that the final design, location, and timing of siting of any potential Court Facility has not been determined at this time, and ultimately will be decided by the State of California through the Judicial Council of California; and

WHEREAS, the City Council acknowledges that, if a location in the Downtown is selected, it may be necessary for the City to:

1. Abandon a portion of Toro Street between Palm Street and Monterey Street
2. Realignment of utilities on Toro Street
3. Abandonment of a portion of the alley between Toro Street and Santa Rosa Street
4. Close street parking on Monterey Street along the courthouse property frontage between Toro Street and Santa Rosa Street
5. Participate in public processes necessary to the Judicial Council's efforts to implement the project, including compliance with the California Environmental Quality Act; and

R 11437

WHEREAS, the process by which a new courthouse is sited and constructed is lengthy; and

WHEREAS, it is the intent of the City to collaborate with the San Luis Obispo Superior Courts to facilitate a location within the City of San Luis Obispo as the Judicial Council of California decides to prioritize the courthouse needs for San Luis Obispo County; and

WHEREAS, any proposed project to develop a public facility will require adherence to CEQA processes to ensure consideration of environmental impact; and

WHEREAS, the City's policy and planning documents support the downtown as a location for a Court Facility; and

WHEREAS, the City values intergovernmental partnerships to promote efficiency and maximize public value.

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of San Luis Obispo as follows:

1. The City supports the continued location of the San Luis Obispo Superior Courts within the Downtown area of the City of San Luis Obispo; and

2. The City commits to promote and creatively participate in the responsible development of the Court Facility in the vicinity of the Downtown by supporting the efforts of the Judicial Council and San Luis Obispo County Superior Court to define a proposed Project Description, identify a preferred site and/or alternative site location, and to implement the Judicial Council's project consistent with the requirements of the California Environmental Quality Act and other applicable law and public hearing requirements.

3. The City commits to working with the State in its efforts to mitigate the project's potential effects on circulation and to optimize traffic flow and access to Toro Street, Monterey Street (consistent with the needs of the project), and the Monterey/Palm Alley during and after construction of the new San Luis Obispo Courthouse.

4. This action is not subject to the California Environmental Quality Act under State CEQA guidelines §15262 as it is a commitment to study and this resolution is not a statement of commitment and that full environmental analysis of the project including any transportation or other related impacts shall be analyzed by the Judicial Council who shall serve as lead agency and the City of San Luis Obispo may submit comments as a responsible agency and work with the State of California on CEQA compliance.

Upon motion of Council Member Shoresman, seconded by Council Member Francis, and on the following roll call vote:

AYES:	Council Member Francis, Pease, Shoresman, Vice Mayor Marx, and Mayor Stewart
NOES:	None
ABSENT:	None

The foregoing resolution was adopted this 18th day of July 2023.

DocuSigned by:
Erica A. Stewart
A5990BABC9CA464...
Mayor Erica A. Stewart

ATTEST:

DocuSigned by:
Teresa Purrington
B98BADBF9C78436...
Teresa Purrington
City Clerk

APPROVED AS TO FORM:

DocuSigned by:
J. Christine Dietrick
784AEA5BC6BC44F...
J. Christine Dietrick
City Attorney

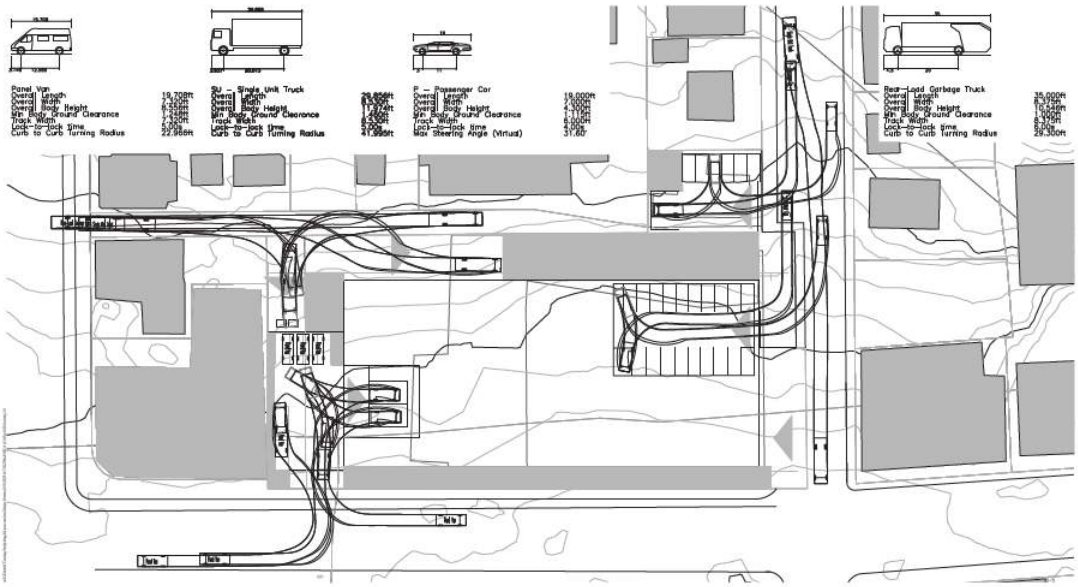
IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the City of San Luis Obispo, California, on 7/20/2023 | 8:58 AM PDT.

DocuSigned by:
Teresa Purrington
B98BADBF9C78436...
Teresa Purrington
City Clerk

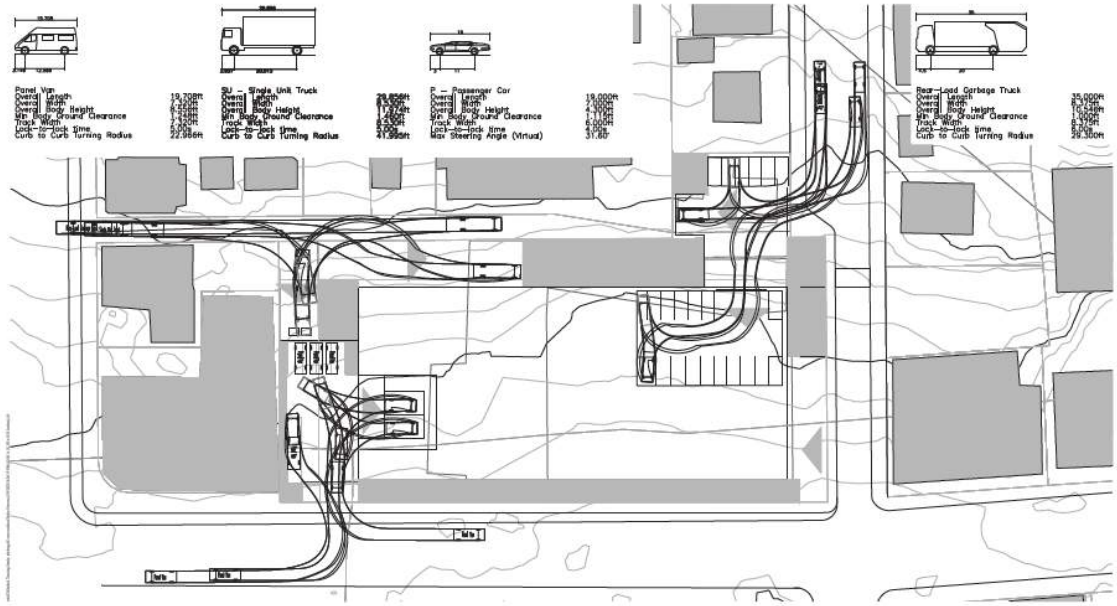
R 11437

Attachment E – Turning Radius Study – Moore Ruble Yudell, Architects and Engineers, July 1, 2023

TURNING RADIUS STUDY



Turning Radius Study - Access through Toro Street Ramp



Alternate Turning Radius Study - Access through Court Vehicle Parking

Appendix I

Mitigation Monitoring and Reporting Program

New San Luis Obispo Courthouse
Initial Study / Mitigated Negative Declaration

New San Luis Obispo Courthouse

Mitigation Monitoring and Reporting Program

Prepared for:
Judicial Council of California

MAY 2025

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Prepared for:

Judicial Council of California
455 Golden Gate Avenue
San Francisco, CA 94102-3688

Contact:

Kim Bobic
Sr. Project Manager
Phone: 805-249-0911
Kim.Bobic-T@jud.ca.gov

Prepared by:

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Contact:

Tom Engels
Principal-in-Charge
Phone: 916-790-8548
TMEngels@montrose-env.com

Table of Contents

Table

Acronyms and Abbreviations

AB	Assembly Bill
ADMP	Asbestos Dust Mitigation Plan
ATCM	Airborne Toxic Control Measure
ATCR-TP	Archaeological and Tribal Cultural Resource Treatment Plan
BMP	best management practice
CAP	Clean Air Plan
CARB	California Air Resources Board
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CRHR	California Register of Historical Resources
dBA	A-weighted decibels
DPR	California Department of Parks and Recreation
EHS	Environmental Health Service
GIS	geographic information system
HAZWOPER	Hazardous Waste Operations and Emergency Response
IS/MND	Initial Study/Mitigated Negative Declaration
Judicial Council	Judicial Council of California
MBTA	Migratory Bird Treaty Act
MLD	Most Likely Descendant
MM	Mitigation Measure
MMRP	Mitigation Monitoring and Reporting Program
NAGPRA	Native American Graves Protection and Repatriation Act
NAHC	Native American Heritage Commission
NO_X	oxides of nitrogen
NRHP	National Register of Historic Places
OSFM	Office of the State Fire Marshall

OSHA	Occupational Safety and Health Administration
PCR	post-construction requirements
Project	New San Luis Obispo Courthouse Project
RCRA	Resource Conservation and Recovery Act
ROG	reactive organic gases
RWQCB	Regional Water Quality Control Board
SLOAPCD	San Luis Obispo Air Pollution Control District
SMP	soil and bedrock management plan
SWPPP	stormwater pollution prevention plan
VdB	vibration velocity in decibels
VOC	volatile organic compound
WDRs	waste discharge requirements

Appendix I
Mitigation Monitoring and Reporting Program – New San Luis Obispo Courthouse Project

1.1 California Environmental Quality Act Requirement

Where a California Environmental Quality Act (CEQA) document has identified significant environmental effects, Public Resources Code Section 21081.6 requires adoption of a "reporting or monitoring program for the changes to the project which it has adopted or made a condition of a project approval to mitigate or avoid significant effects on the environment."

This Environmental Mitigation Monitoring and Reporting Program (MMRP) has been prepared to provide for the monitoring of mitigation measures required of the New San Luis Obispo Courthouse Project (Project or proposed Project), as set forth in the Initial Study/Mitigated Negative Declaration (IS/MND).

The Judicial Council of California (Judicial Council) is the lead agency that must adopt the MMRP for development and operation of the Project. This report will be kept on file with the Judicial Council, 455 Golden Gate Avenue, San Francisco, CA 94102.

1.2 Purpose of Mitigation and Monitoring and Reporting Program

The intent of the MMRP is for the effective implementation and enforcement of adopted mitigation measures. The MMRP is intended to be used by the Judicial Council staff, construction contractors, and others responsible for Project implementation.

This document identifies the individual mitigation measures, the party responsible for monitoring implementation of the measure, the timing of implementation, and space to confirm implementation of the mitigation measures.

1.3 Roles and Responsibilities

The Judicial Council will oversee monitoring and documenting the implementation of mitigation measures. The Judicial Council or its construction contractor is responsible for fully understanding and effectively implementing all of the mitigation measures contained within this MMRP. Certain mitigation measures may require coordination with one or more other public agencies in implementing mitigation measures specified herein.

1.4 Support Documentation

Findings and related documentation supporting the findings involving modifications to mitigation measures shall be maintained in the project file with this MMRP and shall be made available to the public upon request. This MMRP will be kept on file at:

Judicial Council of California
455 Golden Gate Avenue
San Francisco, CA 94102

Air Quality

Impact	Mitigation Measure	Implementation Responsibility / Timing	Monitoring Responsibility	Verified Implementation	Status
Impact a. Conflict with or obstruct implementation of the applicable air quality plan. The Proposed Project is consistent with all of the measures outlined in the San Luis Obispo Air Pollution Control District's (SLOAPCD's) Clean Air Plan (CAP). SLOAPCD considers a project that would exceed any of its CEQA thresholds of significance as being inconsistent with its air quality plans. The Proposed Project exceeds the thresholds of significance for reactive organic gas (ROG) emissions, but with implementation of **Mitigation Measure (MM) AQ-1**, the ROG emissions would be reduced below the thresholds of significance and be ***less than significant with mitigation***. **Impact b. Cumulatively considerable net increase of any criteria pollutant for which the project region is a nonattainment area.** The Proposed Project's daily criteria air pollutant emissions during construction and operation exceed the applicable thresholds for ROG and oxides of nitrogen (NOx). With implementation of **fugitive dust best management practices (BMPs) and MM AQ-1**, the impact on air quality from emissions of criteria pollutants would be ***less than significant with mitigation.***	**AQ-1: Use Low VOC Paints and Coatings** To reduce ROG and NOx emissions below the SLOAPCD threshold during construction activities, the Judicial Council shall ensure that the contractor uses low volatile organic compound (VOC) paint for coating the building interior and exterior with a VOC content of 50 grams per liter or less.	**Implementation:** The Judicial Council and its contractor(s). 1. Prepare and implement a plan identifying the specific low VOC paints and coatings, or a range of acceptable low VOC options, to be used for the Project and during construction. 2. Ensure that all bid, contract documents and specifications have incorporated the requirements of the Low VOC Usage Plan. **Timing:** 1. Duration of the Project and prior to the start of construction. 2. During construction.	**Monitoring:** The Judicial Council and its contractor(s) shall: 1. Ensure the Low VOC Usage Plan identifying the specific low VOC paints and coatings, or a range of acceptable low VOC options is prepared. 2. Ensure contractor compliance with the low VOC usage plan.	**Plan** Initial: _____ Date: _____ **Low VOC Usage Plan Verified** Initial: _____ Date: _____	Incomplete

Biological Resources

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
Impact a. Substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species. As described in Appendix B, no special-status species are anticipated to be present at the site due to existing development and low habitat value. The Proposed Project site contains potentially suitable nesting habitat within trees and shrubs within the urban environment for many avian species protected by the Migratory Bird Treaty Act (MBTA). Demolition activities may require tree removal, and noise and disturbance associated with construction of the proposed Project could adversely affect nesting birds in adjacent areas to the point of nest abandonment and/or failure. Because the potential loss of an active bird nest during construction would potentially violate protections under the MBTA, such an impact is considered potentially significant. Implementation of **MM BIO-1** would minimize impacts to nesting birds protected by the MBTA by requiring nesting bird surveys and establishment of non-disturbance buffers around active raptor nests. Therefore, impacts to nesting birds protected by the MBTA would be ***less than significant with mitigation***.	**BIO-1: Conduct Nesting Bird Survey** A pre-construction nesting bird survey should be conducted by a qualified biologist, within 7 days prior to the initiation of proposed Project related activities. If proposed Project related activity is stopped for more than 14 days during the nesting season, a pre-construction survey should be conducted prior to the re-start of proposed Project activities. If active nests of birds protected by the MBTA are located, an appropriate avoidance buffer determined by the qualified biologist will be established within which no work activity would be allowed which would impact these nests. The avoidance buffer will be established by the qualified biologist on a case-by-case basis based on the species and site conditions. Larger buffers may be required depending upon the status of the nest and the project related activities occurring in the vicinity of the nest. The buffer area(s) should be closed to all construction personnel and equipment until juveniles have fledged and/or the nest is inactive. A qualified biologist will confirm that breeding/nesting is complete, and the nest is no longer active prior to removal of the buffer. If work within a buffer area cannot be avoided, then a qualified biologist will be present to monitor all proposed Project activities that occur within the buffer. The biological monitor will evaluate the nesting avian species for signs of disturbance and will have the ability to stop work in the vicinity of the nest.	**Implementation:** The Judicial Council and its contractor(s). **Timing:** Prior to the start of construction and during construction, if needed. Complete preconstruction surveys no more than 7 days prior of start of construction activities. Preconstruction surveys shall be repeated if construction activities lapse for more than 14 days. If construction activities are completed outside of the nesting season (February 1 to August 31), no additional measures are required to avoid adverse effects on nesting birds.	The Judicial Council and its contractor(s) shall schedule work outside of nesting birds' season. When construction activities must occur ding the nesting season, the Judicial Council and their contractor(s) shall: 1. Retain a qualified biologist to conduct preconstruction surveys, or subsequent surveys if work is stopped for more than 14 days. 2. If nesting birds are detected, biologist shall establish and maintain suitable avoidance buffers around work activities. 3. Ensure the biologist notifies the contractor when it is safe to resume work activities within the buffer. 4. Ensure that biologist monitors work activities if work within the established buffer cannot be avoided.	**Surveys** Initial: _____ Date(s): ____	Incomplete

Cultural Resources

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
Impact b. Adverse change in the significance of an archaeological resource. No archaeological resources, as defined in Section 15064.5 of the CEQA Guidelines, have been identified within the Project area; however, the fully developed character of the Proposed Project site precluded a pedestrian archaeological survey, and cultural materials may be buried at the location. Furthermore, the area is known to be sensitive for both Native American pre-contact sites, and post-contact sites dating to the Mission era. As a result, the area appears sensitive for buried archaeological resources that could be determined eligible for the California Register of Historical Resources (CRHR) / National Register of Historic Places (NRHP) if they are disturbed by Project construction activities. If archaeological resources are inadvertently discovered that are determined eligible for listing in the CRHR/NRHP, and Proposed Project activities would affect them in a way that would render them ineligible for such listing, a significant impact would result. Implementation of **MM CR-1** and **CR-2** would ensure that the Proposed Project would treat eligible archaeological resources in a manner that would reduce impacts to archaeological resources to ***less than significant with mitigation.***	**CR-1: Provide Cultural Resources Sensitivity Training and Monitoring** A cultural resources sensitivity training program shall be provided to all construction personnel who will be active on the Proposed Project site during ground-disturbing or excavation activities. The training will be developed and conducted by a qualified archaeologist meeting the U.S. Secretary of Interior guidelines for professional archaeologists and a compensated representative from each consulting Native American tribe(s) that chooses to participate. The training will be provided once to each worker before they begin ground-disturbing activities and shall be documented in the training records. The training program will include relevant information regarding sensitive cultural resources, including applicable regulations, protocols for avoidance, and the consequences of violating the relevant State laws and regulations. The worker cultural resources awareness program also will describe appropriate avoidance and minimization measures for resources that have the potential to be on the Proposed Project site and will outline what to do and whom to contact if any potential archaeological or tribal cultural resources, Ancestors, or cultural items are encountered. The program will underscore the requirement for confidentiality and culturally appropriate treatment of any inadvertent discoveries that are of significance to California Native American tribes. All ground-disturbing activities will be monitored by a compensated representative from the consulting Tribe(s) and a qualified archaeologist. If any pre-contact Native American or historic-era archaeological resources or tribal cultural resources are	**Implementation:** The Judicial Council and its contractor(s). 1. Retain a qualified archaeologist meeting the U.S. Secretary of Interior guidelines. 2. All workers participating in ground disturbing activities to receive cultural resources awareness training. 3. If any cultural resources are discovered, halt construction immediately within 50 feet of the find, and contact the Judicial Council. **Timing:** Prior to ground disturbing activities and during construction, if necessary. Construction within 50 feet of the finds may not be resumed until clearance is given by the Judicial Council.	The Judicial Council and its contractor(s) shall: 1. Ensure final construction drawings and/or specifications have included cultural resources mitigation. 2. All ground disturbing activities monitored by a qualified archaeologist and a representative from the consulting tribe(s). 3. If any discoveries of archaeological finds are uncovered during construction, stop the work within 50 feet of the resource to allow evaluation and address properly in accordance with the mitigation measure.	**Training Plan** Initial: _____ Date: _____ **Training** Initial: _____ Date: _____ **Documentation, if required** Initial: _____ Date: _____	Incomplete

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
	exposed during construction, work will stop within 50 feet of the resource and be redirected to allow for recordation, including of measurements, and geographic information system (GIS) data. Tribal monitors shall determine whether photography of Native American archaeological and tribal cultural resources is appropriate. Under no circumstances will human remains be photographed. Historic-era resources will be photographed by the archaeologist monitor. Archaeological and Tribal Monitors will be responsible for identifying cultural, archaeological, and tribal cultural resources if they are inadvertently discovered during ground disturbance. Tribal cultural knowledge will be taken into consideration when assessing whether a resource is a tribal cultural resource. If cultural materials are unearthed, the monitors will have the authority to immediately halt work within the buffer zone to allow 48 hours for the on-site archaeological monitors and Tribal monitors to inspect and assess the materials, determine whether additional analysis of the find is warranted, and if construction can proceed inside the buffer zone without further analysis.				
Impact b. Adverse change in the significance of an archaeological resource. No archaeological resources, as defined in Section 15064.5 of the CEQA Guidelines, have been identified within the Project area; however, the fully developed character of the Proposed Project site precluded a pedestrian archaeological survey, and cultural materials may be buried at the location. Furthermore, the area is known to be sensitive for both Native American pre-contact sites, and post-contact sites	**CR-2: Prepare and Implement an Archaeological and Tribal Cultural Resources Treatment Plan** The Judicial Council will work with the consulting Tribe(s) to develop an Archaeological and Tribal Cultural Resource Treatment Plan (ATCR-TP). The ATCR-TP will provide protocols for treatment of identified archaeological and tribal cultural resources in the disturbance area during project construction. The ATCR-TP will include protocols for the following:	**Implementation:** The Judicial Council and its contractor(s). 1. Work with the consulting Tribe(s) to develop an ATCR-TP to define protocols for the treatment of archaeological and tribal cultural resources in the event they are encountered during construction. 2. Comply with the ATC-TP. **Timing:**	The Judicial Council and its contractor(s) shall: 1. Ensure final construction drawings and/or specifications have included cultural resources mitigation. 2. All activities outlined in the ATCR-TP will be conducted under the direction of the qualified archaeologist meeting the *Secretary*	**ATCR-TP (Plan)** Initial: _____ Date: _____ **Documentation, if required** Initial: _____ Date: _____	Incomplete

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
dating to the Mission era. As a result, the area appears sensitive for buried archaeological resources that could be determined eligible for the CRHR/NRHP if they are disturbed by Project construction activities. If archaeological resources are inadvertently discovered that are determined eligible for listing in the CRHR/NRHP, and Proposed Project activities would affect them in a way that would render them ineligible for such listing, a significant impact would result. Implementation of **MM CR-1** and **CR-2** would ensure that the Proposed Project would treat eligible archaeological resources in a manner that would reduce impacts to archaeological resources to ***less than significant with mitigation.***	• Avoidance of identified historical resources and tribal cultural resources where feasible; • Avoidance or preservation in place, where feasible given the limitations of the project site, shall be the preferred methods of addressing inadvertent discoveries of cultural, archaeological, or tribal cultural resources; • Protocols for respectful treatment of cultural resources identified during monitoring activities, as well as Native American human remains and cultural items; • Monitoring during construction by an archaeologist and Tribal monitor(s); • Responsibilities and coordination with the consulting Native American Tribes; • Determination of a safe and secure place for storage of artifacts; and • Curation of recovered historic-era materials that are not associated with Native American tribes, and culturally appropriate storage and repatriation of Native American resources, including compliance with applicable California and Federal law. The ATCR-TP will address treatment for both Native American archaeological resources and tribal cultural resources, as well as Native American human remains, culturally affiliated items and grave goods, if any are found, and post-contact resources. In collaboration with consulting Tribes, all activities outlined in the ATCR-TP will be conducted under the direction of individuals who meet the professional qualification standards in *Archaeology and Historic Preservation, Secretary of Interior's Standards and Guideline* (Federal Register, Volume 48, No. 190, September 29, 1983).	Prior to ground disturbing activities and during construction.	*of Interior's Standards and Guideline.* 3. Cultural resources, including tribal cultural resources, identified during construction will be assessed for eligibility for listing in the NRHP/CRHR in accordance with the mitigation measure. Native American resources will be recorded at the direction of the Tribal monitor(s) and will be photographed only with their permission. Native American human remains will never be photographed 4. If resources are determined to be eligible to the NRHP/CRHR and cannot be avoided or preserved in place, data recovery shall be required. Data collection which impacts tribal cultural resources or Native American human remains, grave goods, or cultural items will be done only with the written consent of the consulting Tribe(s). 5. Any Native American human remains, cultural items, or grave goods that are subject to the NAGPRA will be returned to the		

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
	New cultural resources (i.e., those that have not been identified or recorded previously), including tribal cultural resources, identified during construction will be assessed for eligibility for listing in the NRHP/ CRHR. Evaluation efforts will involve archival research, archaeological fieldwork, and Tribal consultation and coordination. Fieldwork methodologies will be tailored to the location, circumstance, and nature of the find. Therefore, it may be appropriate to use mechanical trenching techniques, controlled excavation units, or block exposures, shovel sampling explorations, or any combination of these approaches. All newly identified historic-era resources will be thoroughly mapped, photographed, located through GIS, and recorded on California Department of Parks and Recreation (DPR) 523 forms. Native American resources will be recorded at the direction of the Tribal monitor(s) and will be photographed only with their permission. Native American human remains will never be photographed. If resources are determined to be eligible to the NRHP/CRHR and cannot be avoided or preserved in place during construction, data recovery shall be required. Data recovery may involve archaeological excavation or detailed recordation on DPR 523 forms. Data collection which impacts tribal cultural resources or Native American human remains, grave goods, or cultural items will be done only with the written consent of the consulting Tribe(s). Any Native American human remains, cultural items, or grave goods that are subject to the California Native American Graves Protection and Repatriation Act (NAGPRA) will be returned to the designated Most Likely Descendant's (MLD's) Tribe, which will be compensated for reasonable repatriation costs. Alternately, the Judicial Council will provide an appropriate and secure location to repatriate recovered items, preferably on the		designated Most Likely Descendant's Tribe. Alternately, the Judicial Council will provide an appropriate and secure location to repatriate recovered items, preferably on the Proposed Project site. No laboratory analysis or destructive data analysis of Native American belongings will be permitted without the express written permission of the designated Most Likely Descendant's Tribe.		

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
	Proposed Project site. No laboratory analysis or destructive data analysis of Native American belongings will be permitted without the express written permission of the designated MLD's Tribe.				
Impact c. Disturbance of any human remains, including those interred outside of formal cemeteries. There is no evidence that human remains are present within the Proposed Project site. Although the Proposed Project site has been previously disturbed by prior development, there remains the possibility that human remains could be discovered during excavation activities. Implementation of **MM CR-3** would ensure that the Proposed Project would not result in any substantial adverse effects on human remains uncovered during the course of construction would reduce potential impacts on human remains to ***less than significant with mitigation.***	**CR-3: Implement Response Protocol for the Unanticipated Discovery of Human Remains** Consistent with the California Health and Safety Code and the California Native American Historical, Cultural, and Sacred Sites Act, if suspected human remains are found during project construction, all work shall be halted within 50 feet of the finds, and the San Luis Obispo County coroner shall be notified to determine the nature of the remains. The coroner shall examine all discoveries of suspected human remains within 48 hours of receiving notice of a discovery on private or State lands (Health and Safety Code Section 7050.5[b]). If the coroner determines that the remains are those of a Native American, he or she shall contact the Native American Heritage Commission (NAHC) by phone within 24 hours of making that determination (Health and Safety Code Section 7050[c]). The NAHC shall then assign an MLD to serve as the main point of Native American contact and consultation. Following the coroner's findings, the MLD, in consultation with the Judicial Council, shall determine the ultimate treatment and disposition of the remains in accordance with the Burial Treatment Plan discussed in Mitigation Measure TCR-1. *Refer additionally to "Tribal Cultural Resources" below*	**Implementation:** The Judicial Council and its contractor(s). **Timing:** During construction and human remains are found. *Refer additionally to "Tribal Cultural Resources" below*	The Judicial Council and its contractor(s) shall: 1. Ensure final construction drawings and/or specifications have included cultural resources mitigation. 2. Excavation on the project site is halted within a minimum radius of 50 feet of discovered human remains and contact the County coroner. 3. Confirm that any discoveries of human remains are evaluated and addressed properly in accordance with the mitigation measure. 4. Provide clearance for construction activities to resume once appropriate. 5. Work with the MLD to ensure that remains are removed to a safe and secure place and treated with dignity and respect, if encountered. *Refer additionally to "Tribal Cultural Resources" below*	**Plan Submittal** Initial: _____ Date: _____	Incomplete

Hazards and Hazardous Materials

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
Impact a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. The Proposed Project would require demolishing all structures and clearing the site to bare soil; excavation/ trenching; and hauling of soil, debris, and material on- and offsite. Project construction would require the routine transfer, use, storage, or disposal of hazardous materials (e.g., fuel, oil, and lubricants) used during typical construction activities and specifically soil and groundwater that may be contaminated. Implementation of **MM HAZ-1** would reduce the potential for exposure to contaminated soil during transport. **MM HAZ-2** would require preparation of an SMP, compliance with hazardous materials and asbestos regulations and procedures, and appropriate disposal of groundwater encountered during excavation. Operation of the Proposed Project would not result in a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. With implementation of these measures, this impact would be ***less than significant with mitigation***. **Impact b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.** Proposed Project operation and maintenance activities would use minor amounts of hazardous materials (e.g.,	**HAZ-1: Implement Hazardous Materials Spill Prevention and Containment Measures** The following measures shall be implemented prior to and during construction and shall be incorporated into Proposed Project plans and specifications: • All equipment shall be inspected by the contractor for leaks prior to the start of construction and regularly throughout Project construction. Leaks from any equipment shall be contained and the leak remedied before the equipment is again used on the site. • BMPs for spill prevention shall be incorporated into Project plans and specifications and shall contain measures for secondary containment and safe handling procedures. • A spill kit shall be maintained on site throughout all construction activities and shall contain appropriate items to absorb, contain, neutralize, or remove hazardous materials stored or used in large quantities during construction. • Project plans and specifications shall identify construction staging areas and designated areas where equipment refueling, lubrication, and maintenance may occur. Areas designated for refueling, lubrication, and maintenance of equipment shall be approved by the Judicial Council. • In the event of any spill or release of any chemical or wastewater during construction, the contractor shall immediately notify the Judicial Council. • Hazardous substances shall be handled in accordance with Title 22 of the California Code of Regulations, which	**Implementation:** The Judicial Council and its contractor(s). 1. Comply with all listed measures. **Timing:** Prior to the start of construction and during construction.	The Judicial Council and its contractor(s) shall: 1. Ensure final construction drawings and/or specifications have included all listed measures. 2. Ensure all listed measures are complied with.	**Plan Submittal** Initial: _____ Date: _____	Incomplete

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
fuel, oil) associated with equipment that may be used for routine cleaning and vehicle maintenance. With implementation of **MM HAZ-1** and **HAZ-2**, this impact would be ***less than significant with mitigation.*** **Impact c. Emit hazardous emissions or involve handling hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school.** The Proposed Project site is located 0.1 mile north of SLO Classical High School. As described in item (a) above, the potential for the Proposed Project to create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. With the implementation of **MM HAZ-1** and **HAZ-2,** the risk of exposure to hazardous emissions, materials, substances, or waste within 0.25 mile of a school would be reduced to ***less than significant with mitigation***.	prescribes measures to appropriately manage hazardous substances, including requirements for storage, spill prevention and response and reporting procedures.				
Impact a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. the Proposed Project would require demolishing all structures and clearing the site to bare soil; excavation/ trenching; and hauling of soil, debris, and material on- and offsite. Project construction would require the routine transfer, use, storage, or disposal of hazardous materials (e.g., fuel, oil, and lubricants) used during typical construction activities and specifically soil and groundwater that may be contaminated. Implementation of **MM HAZ-1** would reduce the potential for exposure to	**HAZ-2: Implement Recommendations from the Phase II Environmental Site Assessment** The Judicial Council shall ensure that the following recommendations from the Phase II Environmental Site Assessment are incorporated into Proposed Project plans and specifications and are implemented prior to and during construction: • A soil and bedrock management plan (SMP) shall be prepared prior to the start of construction to provide the appropriate mitigation measures to handle and dispose of soil and bedrock during construction. The SMP should include the necessary procedures to protect human health and the environment from the concentrations in	**Implementation:** The Judicial Council and its contractor(s). 1. Implement the SMP to measure specifications. 2. Prepare and implement an ADMP to measure specifications. 3. Prepare and implement a HASP. 4. Dispose of any and all excavated Class I Non-RCRA soil at an appropriate hazardous waste disposal facility.	The Judicial Council and its contractor(s) shall: 1. Ensure the preparation and implementation of an SMP to measure specifications. 2. Ensure the implementation of the ADMP and that it is submitted and approved by SLOAPCD before the start of the project.	**Central Coast RWQCB and San Luis Obispo County EHS Notification** Initial: _____ Date: _____ **SMP** Initial: _____ Date: _____ **ADMP** Initial: _____	Incomplete

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
contaminated soil during transport. **MM HAZ-2** would require preparation of an SMP, compliance with hazardous materials and asbestos regulations and procedures, and appropriate disposal of groundwater encountered during excavation. With implementation of these measures, this impact would be ***less than significant with mitigation***. **Impact b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.** Proposed Project operation and maintenance activities would use minor amounts of hazardous materials (e.g., fuel, oil) associated with equipment that may be used for routine cleaning and vehicle maintenance. With implementation of **MM HAZ-1** and **HAZ-2**, this impact would be ***less than significant with mitigation.*** **Impact c. Emit hazardous emissions or involve handling hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school.** The Proposed Project site is located 0.1 mile north of SLO Classical High School. As described in item (a) above, the potential for the Proposed Project to create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. With the implementation of MM HAZ-1 and HAZ-2, the risk of exposure to hazardous emissions, materials, substances, or waste within 0.25 mile of a school would be reduced to ***less than significant with mitigation***.	soil that exceed hazardous waste criteria as well as contingency measures to address the potential for residual petroleum hydrocarbon contamination or underground storage tank (UST) related subsurface features based on the site history. • Soil near borings B-9, EB-3, and EB-5 that is excavated for off-site disposal during construction activities is required to be handled as Class I non-Resource Conservation and Recovery Act (RCRA) hazardous waste and disposed of at an appropriate hazardous waste disposal facility. Throughout the rest of the site, soil and bedrock can likely be handled and disposed of as Class II non-hazardous material at a regulated landfill disposal facility. • During construction and grading activities, the project shall comply with the California Air Resources Board (CARB) Asbestos Airborne Toxic Control Measure (ATCM), which is Title 17 of the California Code of Regulations (17 CCR) Section 93105, for Construction, Grading, Quarrying, and Surface Mining Operations. Prepare and implement an Asbestos Dust Mitigation Plan (ADMP) prior to the start of construction and grading activities, which should be submitted and approved by SLOAPCD before the start of the project. • A detailed health and safety plan (HASP) that outlines the health and safety measures to be implemented during the Project to protect workers, visitors, and the public from the elevated concentrations in the subsurface shall be prepared. The HASP should recommend training as required by the Occupational Safety and Health Administration (OSHA) Standard Hazardous Waste	5. Groundwater encountered during construction in quantities that require its removal from the subsurface, shall be properly discharged to the sanitary sewer under permit with the local public works agency or sanitation district and in accordance with their required pre-treatment and acceptance criteria prior to discharge. 6. Specify and install a waterproofing product directly beneath the new building's foundation and concrete slab that shall also protect against VOCs and vapor intrusion. The waterproofing product shall include appropriate diffusion coefficient testing data to support its use as a VOC vapor barrier membrane to mitigate potential vapor intrusion. 7. Notify the Central Coast RWQCB and San Luis Obispo County EHS prior to any redevelopment activities. The RWQCB and San Luis Obispo County EHS may require additional sampling and testing or further remediation to address the environmental impacts beneath the site. **Timing:** Prior to the start of construction and during construction.	3. Comply with the CARB ATCM which is Title 17 CCR Section 93105, for Construction, Grading, Quarrying, and Surface Mining Operations. and ensure the implementation of a HASP. 4. Ensure final construction drawings and/or specifications have included all listed measures, including specification and installation of the required waterproofing and VOC vapor barrier membrane product. 5. Ensure that contaminated soil and ground water are handled, treated and disposed of in accordance with the mitigation measure.	Date: _____ **HASP** Initial: _____ Date: _____ **Training, if required:** Initial: _____ Date: _____ **Plan Submittal** Initial: _____ Date: _____ **Hazardous Material Waste Manifest:** Initial: _____ Date: _____ **Discharge Permit, if required** Initial: _____ Date: _____	

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
	Operations and Emergency Response (HAZWOPER) guidelines in accordance with Section 1910.120 of 29 Code of Federal Regulations (CFR). The HASP will evaluate the specific personal hygiene protocols and if personal air monitoring is required for workers. • If groundwater is encountered during construction in quantities that require its removal from the subsurface, it shall be properly discharged to the sanitary sewer under permit with the local public works agency or sanitation district. The local permitting agency will determine what amount of pre-treatment will be required prior to discharge based on their acceptance criteria. • The waterproofing product that is installed directly beneath the new building's foundation and concrete slab shall also protect against VOCs and vapor intrusion. The waterproofing product shall include appropriate diffusion coefficient testing data to support its use as a VOC vapor barrier membrane to mitigate potential vapor intrusion. • The Regional Water Quality Control Board (RWQCB) and San Luis Obispo County Environmental Health Service (EHS) must be notified prior to any redevelopment activities. The RWQCB and San Luis Obispo County EHS may require additional sampling and testing or further remediation to address the environmental impacts beneath the site.				
Impact f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. The Proposed Project would involve permanently closing a portion of Montereypalm Alley and removing one	**TR-1: Develop and Implement a Construction Traffic Management Plan** *See "Transportation" below.*	**Implementation:** The Judicial Council and its contractor(s). 1. Prepare and implement a construction traffic management plan.	The Judicial Council and its contractor(s) shall: 1. Ensure compliance with the construction traffic management plan.	**Plan** Initial: _____ Date: _____ **Plan Implemented**	Incomplete

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
vehicle lane of Toro Street to allow a single direction of vehicle traffic along the east side of the parcel. Additionally, the use of surrounding streets by construction equipment and hauling trucks accessing the site could interfere with emergency access, creating a potentially significant impact. This impact is described in more detail in "Transportation," item (a). The implementation of construction traffic control measures identified in **MM TR-1** would address the potential impact and be ***less than significant with mitigation.***		2. Comply with all traffic management plan measures during construction. **Timing:** Prior to the start of construction and during construction.		Initial: _____ Date: _____	

Hydrology and Water Quality

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
Impact a. Violate any water quality standards, waste discharge requirements (WDRs), or otherwise substantially degrade water quality. Construction of the Proposed Project would involve ground disturbance associated with demolition and excavation, which would loosen soils and could result in erosion and sedimentation. A stormwater pollution prevention plan (SWPPP) would be required because the Proposed Project would involve more than 1 acre of ground disturbance. The implementation of **MM HAZ-1** would require spill containment and impacts on surface water or groundwater quality would be minimized in the event spills do occur. Implementation of **MM HAZ-2** would require preparation of an SMP, compliance with hazardous materials and asbestos regulations and procedures, and appropriate disposal of groundwater encountered during excavation. Operation would require implementation	**HAZ-1: Implement Hazardous Materials Spill Prevention and Containment Measures** **HAZ-2: Implement Recommendations from the Phase II Environmental Site Assessment** *See "Hazards and Hazardous Materials" above.*	**Implementation:** The Judicial Council and its contractor(s). *Refer to "Hazards and Hazardous Materials" MM HAZ-1 and HAZ-2 above.* **Timing:** Prior to the start of construction and during construction.	The Judicial Council and its contractor(s) shall: *Refer to "Hazards and Hazardous Materials" MM HAZ-1 and HAZ-2 above.*	*Refer to "Hazards and Hazardous Materials" above.*	Incomplete

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
of peak stormwater management measures identified in the City's Peak Management Post Construction Requirements (PCRs). Implementation of these federal, State, regional, and local requirements and mitigation measures would ensure that the impact would be ***less than significant with mitigation***. **Impact e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan.** The potential for the Proposed Project to violate water quality standards or WDRs or otherwise substantially degrade water quality is described in item (a) above. With implementation of the City's Peak Management PCRs, SWPPP-required BMPs, and **MMs HAZ-1** and **HAZ-2**, the impact of the Proposed Project with regard to water quality control plan compliance would be reduced to ***less-than-significant level with mitigation***.					

Noise

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
Impact a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. Project would generate noises associated with construction activities (e.g., grading and excavation activities) that would temporarily increase noise levels and would cease once construction is complete. The nearest sensitive receptors are residences located adjacent to the	**NOI-1: Implement Construction Noise Reduction Measures** 1. To the extent feasible, contractor shall restrict the operation of noise-generating equipment to 7:00 a.m.–7:00 p.m., Monday through Friday, with approval from the Judicial Council required for nighttime or weekend work. 2. Temporary sound barriers should be installed when construction equipment is operating within 60 feet of an adjacent property containing buildings.	**Implementation:** The Judicial Council and its contractor(s). 1. Comply with noise reduction measures to measure specifications. **Timing:** Prior to the start of construction and during construction.	The Judicial Council and its contractor(s) shall: 1. Ensure final construction drawings and/or specifications have included all listed measures. 2. Ensure compliance with all noise reduction measures to measure specifications.	**Plan Submittal** Initial: _____ Date: _____ **Construction Related Noise Reduction Strategies Implemented** Initial: _____ Date: _____	Incomplete

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
Proposed Project site at 12 Montereypalm Alley and 959 Toro Street. Equipment operating in the middle of the Proposed Project site would not exceed the significant threshold for construction noise of 90 A-weighted decibels (dBA). When the equipment is operating near the edges of the Proposed Project site, the impact to sensitive receptors could be potentially significant especially for the residences located adjacent to the Proposed Project site. Implementation of **MM NOI-1** will reduce the impact to ***less than significant with mitigation***.	3. All noise-producing project equipment and vehicles using internal combustion engines shall be equipped with mufflers, air-inlet silencers where appropriate, and any other shrouds, shields, or noise-reducing features in good operating condition that meet or exceed original factory specifications. Mobile or fixed "package" equipment (e.g., arc welders, air compressors) shall be equipped with shrouds and noise-control features that are readily available for those types of equipment. 4. Mobile noise-generating equipment and machinery shall be shut off when not in use.				
Impact b. Generation of excessive groundborne vibration or groundborne noise levels. The nearby residential buildings are of older construction and may be susceptible to vibration damage if construction equipment operates within 36.3 feet. While this would only possibly occur for equipment operating at the very far edge of the Proposed Project site, the impact would be significant. Occupants of buildings adjacent to the Proposed Project site may be within the noise annoyance threshold of 80 vibration velocity in decibels (VdB). **MM NOI-2** will be implemented and reduce the impact to ***less than significant with mitigation***.	**NOI-2: Minimize Construction Noise Vibration.** The contractor shall implement the following measures to minimize vibration noises to nearby sensitive receptors. • Monitor adjacent residential buildings at 959 Toro Street and 12 Montereypalm Alley for vibration damage. • Route heavily loaded trucks away from residential streets if possible. Select streets with the fewest homes if no alternatives are available. • To the extent possible, operate earth-moving equipment on the Proposed Project site as far away from vibration-sensitive sites as possible. • Phase construction activities such that vibration-intensive activities do not occur at the same time. • Avoid nighttime activities.	**Implementation:** The Judicial Council and its contractor(s). 1. Comply with noise reduction measures to measure specifications. **Timing:** During construction.	The Judicial Council and its contractor(s) shall: 1. Ensure compliance with all noise reduction measures to measure specifications.	**Construction Related Noise Reduction Strategies Implemented** Initial: _____ Date: _____	Incomplete

Public Services

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
Impact a.ii. Result in adverse physical impacts associated with the provision of new or physically altered governmental facilities or a need for new or physically altered governmental facilities. – Police Protection. The Proposed Project would not increase the population as a result of new housing; therefore, the Proposed Project would not require additional police department staffing to maintain its officer-to-population service ratio. Increased traffic associated with demolition and construction may result in an increased possibility of traffic incidents, which would result in additional calls to law enforcement. Implementation of **MM TR-1** would require a construction traffic management plan that would reduce the impact to ***less than significant with mitigation***.	**TR-1. Develop and Implement a Construction Traffic Management Plan.** *See "Transportation" below.*	**Implementation:** The Judicial Council and its contractor(s). 1. Prepare and implement a construction traffic management plan. 2. Comply with all traffic management plan measures during construction. **Timing:** Prior to the start of construction and during construction.	The Judicial Council and its contractor(s) shall: 1. Ensure compliance with the construction traffic management plan.	**Plan** Initial: _____ Date: _____ **Plan Implemented** Initial: _____ Date: _____	Incomplete

Transportation

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
Impact a. Conflict with applicable circulation plans, ordinances, or policies and applicable congestion management programs. The Proposed Project would involve demolition of the existing County-owned property at 1144 Monterey Street and residential property at 969 Toro Street. Following demolition, construction of the new courthouse would occur at 1144 Monterey Street and extend north to include a portion of	**TR-1. Develop and Implement a Construction Traffic Management Plan.** The Judicial Council shall require that the construction contractor develop and implement a construction traffic management plan for the Proposed Project site. The plan will clearly identify how access for emergency vehicles will be maintained to and around the site during construction. The plan will also describe how access and circulation for pedestrians,	**Implementation:** The Judicial Council and its contractor(s). 1. Prepare and implement a construction traffic management plan. 2. Comply with all traffic management plan measures during construction.	The Judicial Council and its contractor(s) shall: 1. Ensure compliance with the construction traffic management plan.	**Plan** Initial: _____ Date: _____ **Plan Implemented** Initial: _____ Date: _____	Incomplete

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
Montereypalm Alley, the southbound westerly lane of Toro Street, and the residential property. Activities taking place during the demolition/construction phase would likely have short-term impacts to the surrounding transportation system. This may include additional truck traffic, temporary street closures, partial lane closures, and/or traffic detours. Implementation of **MM TR-1** would reduce the potential for conflict with circulation plans, ordinances or policies or applicable congestion management programs to ***less than significant with mitigation***. Operation of the courthouse would involve some modifications to traffic circulation in the immediate vicinity of the site; final site design review together with the City's Resolution No. 11437 committing to work with the Judicial Council in this regard would avoid potential conflicts with circulation plans, ordinances or policies or applicable congestion management programs. **Impact d. Inadequate emergency access.** Project-related construction activities would obstruct, modify, and/or delay emergency access to and around the site. Implementation of **MM TR-1**, described in item (a) above, would reduce the impact to ***less than significant with mitigation.*** Courthouse operations would be subject to local Fire Department and Office of the State Fire Marshall review and approvals, therefore, confirming to maintain acceptable emergency access.	cars, cyclists, and transit will be maintained around the site during construction.	**Timing:** Prior to the start of construction and during construction.			

Tribal Cultural Resources

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
Impact a. Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 … with cultural value to a California Native American tribe, and that is: **i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k).** **ii. A resource determined by the lead agency to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1.** No tribal cultural resources were identified at the Proposed Project site by any of the tribes who are consulting with the Judicial Council pursuant to Assembly Bill (AB) 52. Nevertheless, buried Native American materials, including human remains, that would be considered tribal cultural resources could be exposed during Project construction. Implementation of **MMs CR-1 through CR-3** and **TCR-1** would ensure that impacts on tribal cultural resources would be ***less than significant with mitigation.***	**CR-1: Provide Cultural Resources Sensitivity Training and Monitoring** **CR-2: Prepare and Implement an Archaeological and Tribal Cultural Resources Treatment Plan** **CR-3: Implement Response Protocol for the Unanticipated Discovery of Human Remains** *See "Cultural Resources" above.* **TCR-1: Prepare a Burial Treatment Plan** The Judicial Council shall work in collaboration with consulting Native American tribes to develop a Burial Treatment Plan prior to the onset of construction, which will establish protocols for treating Native American human burials, should they be found during Project construction. Under these protocols, the responsibility for identifying ancestral burials and funerary objects would fall to the Native American MLD named by the Native American Heritage Commission. The treatment plan will take into consideration the appropriate excavation, removal, recordation, analysis, custodianship, and final disposition of the human remains and associated or unassociated funerary objects.	**Implementation:** The Judicial Council and its contractor(s). 1. Prepare a Burial Treatment plan. 2. Should Native American human burial be found during Project construction, implement all Burial Treatment Plan protocols. *Refer additionally to "Cultural Resources" MMs CR-1, CR-2, and CR-3 above.* **Timing:** Prior to ground disturbing activities and during construction. During construction and Native American human remains are found.	The Judicial Council and its contractor(s) shall: *Comply with "Cultural Resources" MMs CR-1, CR-2, and CR-3 above and:* 1. Ensure final construction drawings and/or specifications have included tribal cultural resources mitigation. 2. Comply with all Burial Treatment Plan protocols during construction.	**Training Plan** Initial: _____ Date: _____ **Training** Initial: _____ Date: _____ **ATCR-TP (Plan)** Initial: _____ Date: _____ **Plan Submittal** Initial: _____ Date: _____ **Documentation, if required** Initial: _____ Date: _____	Incomplete

Wildfire

Impact	Mitigation Measure	Implementation Responsibility/ Timing	Monitoring Responsibility	Verified Implementation	Status
Impact a. Substantially impair an adopted emergency response plan or emergency evacuation plan. The Proposed Project is located at the intersection of Monterey Street, a well-used local road, and Toro Street. Project construction would require the use of both streets for construction workers and equipment to access the site. Should the construction period coincide with an emergency, construction could result in delays and contribute to temporary impairment of an emergency response plan or evacuation plan. **MM TR-1** would ensure that a plan for management of construction traffic would be implemented and help to minimize potential impacts and maintain adequate traffic flow and access for emergency vehicles. This impact would be ***less than significant with mitigation.***	**TR-1. Develop and Implement a Construction Traffic Management Plan** *See "Transportation" above.*	**Implementation:** The Judicial Council and its contractor(s). 1. Prepare and implement a construction traffic management plan. 2. Comply with all traffic management plan measures during construction. **Timing:** Prior to the start of construction and during construction.	The Judicial Council and its contractor(s) shall: 1. Ensure compliance with the construction traffic management plan.	**Plan** Initial: _____ Date: _____ **Plan Implemented** Initial: _____ Date: _____	Incomplete

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