APPENDIX 5.9 BIG-1

HAZARDOUS MATERIALS AND WASTES TECHNICAL REPORT

*PART 11

Laboratory Control Sample (LCS)

(LCS) R4180822-1 02/26/25 19:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoranthene	0.666	0.571	85.7	44.0-120	
Fluorene	0.666	0.557	83.6	41.0-120	
Hexachlorobenzene	0.666	0.581	87.2	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.446	67.0	15.0-120	
Hexachlorocyclopentadiene	0.666	0.415	62.3	15.0-120	
Hexachloroethane	0.666	0.468	70.3	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.576	86.5	45.0-120	
Isophorone	0.666	0.428	64.3	23.0-120	
Naphthalene	0.666	0.426	64.0	18.0-120	
Nitrobenzene	0.666	0.420	63.1	17.0-120	
n-Nitrosodimethylamine	0.666	0.378	56.8	10.0-125	
n-Nitrosodiphenylamine	0.666	0.525	78.8	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.476	71.5	26.0-120	
Phenanthrene	0.666	0.532	79.9	42.0-120	
Benzylbutyl phthalate	0.666	0.520	78.1	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.522	78.4	41.0-120	
Di-n-butyl phthalate	0.666	0.541	81.2	43.0-120	
Diethyl phthalate	0.666	0.587	88.1	43.0-120	
Dimethyl phthalate	0.666	0.589	88.4	43.0-120	
Di-n-octyl phthalate	0.666	0.483	72.5	40.0-120	
Pyrene	0.666	0.550	82.6	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.447	67.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.431	64.7	28.0-120	
2-Chlorophenol	0.666	0.507	76.1	28.0-120	
2,4-Dichlorophenol	0.666	0.451	67.7	25.0-120	
2,4-Dimethylphenol	0.666	0.401	60.2	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.545	81.8	16.0-120	
2,4-Dinitrophenol	0.666	0.388	58.3	10.0-120	
2-Methylphenol	0.666	0.485	72.8	35.0-120	
3&4-Methyl Phenol	0.666	0.564	84.7	42.0-120	
2-Nitrophenol	0.666	0.487	73.1	20.0-120	
4-Nitrophenol	0.666	0.567	85.1	27.0-120	
Pentachlorophenol	0.666	0.461	69.2	29.0-120	
Pyridine	0.666	0.198	29.7	10.0-120	J
2,4,5-Trichlorophenol	0.666	0.549	82.4	38.0-120	
2,4,6-Trichlorophenol	0.666	0.532	79.9	37.0-120	
Phenol	0.666	0.469	70.4	28.0-120	
(S) 2-Fluorophenol			*85.1*	*12.0-120*	
(S) Phenol-d5			*75.8*	*10.0-120*	
(S) Nitrobenzene-d5			*62.2*	*10.0-122*	

Laboratory Control Sample (LCS)

(LCS) R4180822-1 02/26/25 19:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) 2-Fluorobiphenyl			*83.2*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*90.8*	*10.0-127*	
(S) p-Terphenyl-d14			*84.7*	*10.0-120*	

L1828473-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828473-10 02/27/25 01:34 • (MS) R4180822-3 02/27/25 01:58 • (MSD) R4180822-4 02/27/25 02:22

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.695	U	0.569	0.534	81.9	76.3	1	18.0-120			6.40	32
Acenaphthylene	0.695	U	0.577	0.546	83.0	78.1	1	25.0-120			5.50	32
Anthracene	0.695	U	0.584	0.557	84.1	79.7	1	22.0-120			4.83	29
Benzidine	1.39	U	0.362	0.428	26.0	30.6	1	10.0-120	J	J	16.8	40
Benzo(a)anthracene	0.695	U	0.614	0.576	88.4	82.3	1	25.0-120			6.49	29
Benzo(b)fluoranthene	0.695	U	0.561	0.530	80.8	75.9	1	19.0-122			5.66	31
Benzo(k)fluoranthene	0.695	U	0.557	0.525	80.2	75.1	1	23.0-120			5.91	30
Benzo(g,h,i)perylene	0.695	U	0.561	0.525	80.8	75.1	1	10.0-120			6.70	33
Benzo(a)pyrene	0.695	U	0.609	0.570	87.6	81.5	1	24.0-120			6.55	30
Bis(2-chlorethoxy)methane	0.695	U	0.393	0.377	56.5	53.9	1	10.0-120			4.01	34
Bis(2-chloroethyl)ether	0.695	U	0.559	0.373	80.5	53.3	1	10.0-120			40.0	40
2,2-Oxybis(1-Chloropropane)	0.695	U	0.382	0.367	54.9	52.5	1	10.0-120		J	3.83	40
4-Bromophenyl-phenylether	0.695	U	0.637	0.602	91.7	86.1	1	27.0-120			5.69	30
2-Chloronaphthalene	0.695	U	0.541	0.506	77.9	72.4	1	20.0-120			6.74	32
4-Chlorophenyl-phenylether	0.695	U	0.633	0.589	91.1	84.2	1	24.0-120			7.22	29
Chrysene	0.695	U	0.568	0.531	81.7	76.0	1	21.0-120			6.62	29
Dibenz(a,h)anthracene	0.695	U	0.562	0.526	81.0	75.2	1	10.0-120			6.69	32
3,3-Dichlorobenzidine	1.39	U	1.43	1.31	103	93.7	1	10.0-120			8.84	34
2,4-Dinitrotoluene	0.695	U	0.641	0.614	92.2	87.9	1	30.0-120			4.22	31
2,6-Dinitrotoluene	0.695	U	0.603	0.566	86.8	80.9	1	25.0-120			6.42	31
Fluoranthene	0.695	U	0.624	0.591	89.8	84.5	1	18.0-126			5.44	32
Fluorene	0.695	U	0.579	0.546	83.3	78.1	1	25.0-120			5.88	30
Hexachlorobenzene	0.695	U	0.608	0.578	87.5	82.6	1	27.0-120			5.02	28
Hexachloro-1,3-butadiene	0.695	U	0.453	0.432	65.2	61.8	1	10.0-120			4.73	38
Hexachlorocyclopentadiene	0.695	U	0.324	0.275	46.7	39.3	1	10.0-120	J	J	16.6	40
Hexachloroethane	0.695	U	0.464	0.432	66.8	61.8	1	10.0-120			7.13	40
Indeno(1,2,3-cd)pyrene	0.695	U	0.595	0.562	85.7	80.4	1	10.0-120			5.71	32
Isophorone	0.695	U	0.432	0.410	62.2	58.7	1	13.0-120			5.24	34
Naphthalene	0.695	U	0.428	0.413	61.6	59.1	1	10.0-120			3.41	35
Nitrobenzene	0.695	U	0.418	0.401	60.2	57.4	1	10.0-120			4.04	36

L1828473-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828473-10 02/27/25 01:34 • (MS) R4180822-3 02/27/25 01:58 • (MSD) R4180822-4 02/27/25 02:22

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Nitrosodimethylamine	0.695	U	0.401	0.0765	57.8	10.9	1	10.0-127		J J3	136	40
n-Nitrosodiphenylamine	0.695	U	0.578	0.541	83.2	77.4	1	17.0-120			6.50	29
n-Nitrosodi-n-propylamine	0.695	U	0.482	0.453	69.4	64.8	1	10.0-120			6.13	37
Phenanthrene	0.695	U	0.558	0.533	80.3	76.2	1	17.0-120			4.65	31
Benzylbutyl phthalate	0.695	U	0.613	0.574	88.3	82.2	1	23.0-120			6.50	30
Bis(2-ethylhexyl)phthalate	0.695	U	0.653	0.612	94.0	87.5	1	17.0-126			6.45	30
Di-n-butyl phthalate	0.695	U	0.603	0.576	86.8	82.3	1	30.0-120			4.68	29
Diethyl phthalate	0.695	U	0.617	0.582	88.9	83.3	1	26.0-120			5.88	28
Dimethyl phthalate	0.695	U	0.598	0.568	86.0	81.2	1	25.0-120			5.11	29
Di-n-octyl phthalate	0.695	U	0.615	0.572	88.6	81.9	1	21.0-123			7.24	29
Pyrene	0.695	U	0.587	0.546	84.4	78.1	1	16.0-121			7.21	32
1,2,4-Trichlorobenzene	0.695	U	0.456	0.432	65.7	61.8	1	12.0-120			5.46	37
4-Chloro-3-methylphenol	0.695	U	0.462	0.445	66.5	63.7	1	15.0-120			3.65	30
2-Chlorophenol	0.695	U	0.511	0.483	73.5	69.1	1	15.0-120			5.55	37
2,4-Dichlorophenol	0.695	U	0.479	0.453	68.9	64.8	1	20.0-120			5.44	31
2,4-Dimethylphenol	0.695	U	0.419	0.401	60.3	57.4	1	10.0-120			4.30	33
4,6-Dinitro-2-methylphenol	0.695	U	0.249	0.171	35.9	24.4	1	10.0-120	J	J	37.3	39
2,4-Dinitrophenol	0.695	U	0.165	0.129	23.8	18.5	1	10.0-121	J	J	24.7	40
2-Methylphenol	0.695	U	0.641	0.588	92.2	84.1	1	11.0-120			8.62	40
3&4-Methyl Phenol	0.695	U	0.613	0.590	88.3	84.4	1	12.0-123			3.85	38
2-Nitrophenol	0.695	U	0.528	0.481	76.0	68.8	1	12.0-120			9.40	39
4-Nitrophenol	0.695	U	0.554	0.527	79.7	75.4	1	10.0-137			4.90	32
Pentachlorophenol	0.695	U	0.291	0.182	41.9	26.0	1	10.0-160	J	J J3	46.2	31
Pyridine	0.695	U	0.256	0.249	36.8	35.6	1	10.0-120	J	J	2.62	40
2,4,5-Trichlorophenol	0.695	U	0.574	0.552	82.7	79.0	1	20.0-120			3.91	30
2,4,6-Trichlorophenol	0.695	U	0.523	0.495	75.2	70.8	1	19.0-120			5.42	32
Phenol	0.695	U	0.471	0.443	67.8	63.4	1	12.0-120			6.03	38
(S) 2-Fluorophenol					*78.1*	*75.1*		*12.0-120*				
(S) Phenol-d5					*72.4*	*68.3*		*10.0-120*				
(S) Nitrobenzene-d5					*58.7*	*56.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*79.0*	*74.1*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*86.8*	*79.7*		*10.0-127*				
(S) p-Terphenyl-d14					*84.8*	*79.8*		*10.0-120*				

Method Blank (MB)

(MB) R4180999-2 02/27/25 14:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4180999-2 02/27/25 14:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Methylphenol	U		0.0100	0.333
3&4-Methyl Phenol	U		0.0104	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Pyridine	U		0.0220	0.333
2,4,5-Trichlorophenol	U		0.0113	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
Phenol	U		0.0134	0.333
(S) 2-Fluorophenol	*78.8*			*12.0-120*
(S) Phenol-d5	*72.7*			*10.0-120*
(S) Nitrobenzene-d5	*59.2*			*10.0-122*
(S) 2-Fluorobiphenyl	*69.1*			*15.0-120*
(S) 2,4,6-Tribromophenol	*79.3*			*10.0-127*
(S) p-Terphenyl-d14	*76.6*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4180999-1 02/27/25 13:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.465	69.8	38.0-120	
Acenaphthylene	0.666	0.487	73.1	40.0-120	
Anthracene	0.666	0.499	74.9	42.0-120	
Benzidine	1.33	0.397	29.8	10.0-120	J
Benzo(a)anthracene	0.666	0.527	79.1	44.0-120	
Benzo(b)fluoranthene	0.666	0.506	76.0	43.0-120	
Benzo(k)fluoranthene	0.666	0.507	76.1	44.0-120	
Benzo(g,h,i)perylene	0.666	0.520	78.1	43.0-120	
Benzo(a)pyrene	0.666	0.539	80.9	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.359	53.9	20.0-120	

Laboratory Control Sample (LCS)

(LCS) R4180999-1 02/27/25 13:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bis(2-chloroethyl)ether	0.666	0.529	79.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.388	58.3	23.0-120	
4-Bromophenyl-phenylether	0.666	0.513	77.0	40.0-120	
2-Chloronaphthalene	0.666	0.442	66.4	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.490	73.6	40.0-120	
Chrysene	0.666	0.481	72.2	43.0-120	
Dibenz(a,h)anthracene	0.666	0.540	81.1	44.0-120	
3,3-Dichlorobenzidine	1.33	1.04	78.2	28.0-120	
2,4-Dinitrotoluene	0.666	0.518	77.8	45.0-120	
2,6-Dinitrotoluene	0.666	0.499	74.9	42.0-120	
Fluoranthene	0.666	0.510	76.6	44.0-120	
Fluorene	0.666	0.475	71.3	41.0-120	
Hexachlorobenzene	0.666	0.474	71.2	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.332	49.8	15.0-120	J
Hexachlorocyclopentadiene	0.666	0.265	39.8	15.0-120	J
Hexachloroethane	0.666	0.414	62.2	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.583	87.5	45.0-120	
Isophorone	0.666	0.375	56.3	23.0-120	
Naphthalene	0.666	0.365	54.8	18.0-120	
Nitrobenzene	0.666	0.363	54.5	17.0-120	
n-Nitrosodimethylamine	0.666	0.431	64.7	10.0-125	
n-Nitrosodiphenylamine	0.666	0.484	72.7	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.449	67.4	26.0-120	
Phenanthrene	0.666	0.471	70.7	42.0-120	
Benzylbutyl phthalate	0.666	0.537	80.6	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.483	72.5	41.0-120	
Di-n-butyl phthalate	0.666	0.466	70.0	43.0-120	
Diethyl phthalate	0.666	0.516	77.5	43.0-120	
Dimethyl phthalate	0.666	0.495	74.3	43.0-120	
Di-n-octyl phthalate	0.666	0.539	80.9	40.0-120	
Pyrene	0.666	0.493	74.0	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.359	53.9	17.0-120	
4-Chloro-3-methylphenol	0.666	0.402	60.4	28.0-120	
2-Chlorophenol	0.666	0.454	68.2	28.0-120	
2,4-Dichlorophenol	0.666	0.386	58.0	25.0-120	
2,4-Dimethylphenol	0.666	0.354	53.2	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.580	87.1	16.0-120	
2,4-Dinitrophenol	0.666	0.436	65.5	10.0-120	
2-Methylphenol	0.666	0.471	70.7	35.0-120	
3&4-Methyl Phenol	0.666	0.537	80.6	42.0-120	

Laboratory Control Sample (LCS)

(LCS) R4180999-1 02/27/25 13:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.431	64.7	20.0-120	
4-Nitrophenol	0.666	0.522	78.4	27.0-120	
Pentachlorophenol	0.666	0.370	55.6	29.0-120	
Pyridine	0.666	0.271	40.7	10.0-120	J
2,4,5-Trichlorophenol	0.666	0.475	71.3	38.0-120	
2,4,6-Trichlorophenol	0.666	0.456	68.5	37.0-120	
Phenol	0.666	0.465	69.8	28.0-120	
(S) 2-Fluorophenol			*81.8*	*12.0-120*	
(S) Phenol-d5			*76.1*	*10.0-120*	
(S) Nitrobenzene-d5			*49.5*	*10.0-122*	
(S) 2-Fluorobiphenyl			*66.1*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*81.1*	*10.0-127*	
(S) p-Terphenyl-d14			*70.9*	*10.0-120*	

L1829150-24 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1829150-24 02/27/25 14:16 • (MS) R4181041-1 02/27/25 14:36 • (MSD) R4181041-2 02/27/25 14:57

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.769	U	0.404	0.515	52.6	66.0	2	18.0-120			24.1	32
Acenaphthylene	0.769	U	0.396	0.495	51.5	63.4	2	25.0-120			22.2	32
Anthracene	0.769	U	0.501	0.583	65.2	74.6	2	22.0-120			15.0	29
Benzidine	1.53	U	0.467	0.486	30.5	31.2	2	10.0-120	J	J	3.96	40
Benzo(a)anthracene	0.769	U	0.540	0.601	70.2	77.0	2	25.0-120			10.7	29
Benzo(b)fluoranthene	0.769	U	0.507	0.581	66.0	74.5	2	19.0-122			13.7	31
Benzo(k)fluoranthene	0.769	U	0.521	0.605	67.8	77.5	2	23.0-120			14.9	30
Benzo(g,h,i)perylene	0.769	U	0.542	0.611	70.6	78.2	2	10.0-120			11.9	33
Benzo(a)pyrene	0.769	U	0.533	0.610	69.3	78.1	2	24.0-120			13.4	30
Bis(2-chlorethoxy)methane	0.769	U	0.343	0.373	44.6	47.7	2	10.0-120	J	J	8.24	34
Bis(2-chloroethyl)ether	0.769	U	0.288	0.336	37.4	43.1	2	10.0-120	J	J	15.5	40
2,2-Oxybis(1-Chloropropane)	0.769	U	0.256	0.313	33.3	40.0	2	10.0-120	J	J	19.9	40
4-Bromophenyl-phenylether	0.769	U	0.504	0.613	65.5	78.5	2	27.0-120	J	J	19.6	30
2-Chloronaphthalene	0.769	U	0.373	0.453	48.5	58.0	2	20.0-120			19.4	32
4-Chlorophenyl-phenylether	0.769	U	0.473	0.583	61.5	74.6	2	24.0-120	J	J	20.8	29
Chrysene	0.769	U	0.527	0.583	68.6	74.6	2	21.0-120			9.99	29
Dibenz(a,h)anthracene	0.769	U	0.560	0.637	72.9	81.6	2	10.0-120			12.8	32
3,3-Dichlorobenzidine	1.53	U	1.07	1.23	70.1	78.8	2	10.0-120			13.2	34
2,4-Dinitrotoluene	0.769	U	0.534	0.669	69.5	85.6	2	30.0-120	J	J	22.4	31
2,6-Dinitrotoluene	0.769	U	0.480	0.577	62.4	73.9	2	25.0-120	J	J	18.3	31

L1829150-24 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1829150-24 02/27/25 14:16 • (MS) R4181041-1 02/27/25 14:36 • (MSD) R4181041-2 02/27/25 14:57

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoranthene	0.769	U	0.557	0.631	72.4	80.8	2	18.0-126			12.5	32
Fluorene	0.769	U	0.448	0.540	58.3	69.2	2	25.0-120			18.6	30
Hexachlorobenzene	0.769	U	0.544	0.617	70.7	79.0	2	27.0-120	J	J	12.6	28
Hexachloro-1,3-butadiene	0.769	U	0.337	0.426	43.9	54.5	2	10.0-120	J	J	23.2	38
Hexachlorocyclopentadiene	0.769	U	U	0.0856	1.63	11.0	2	10.0-120	J J6	J J3	149	40
Hexachloroethane	0.769	U	0.230	0.374	29.9	47.9	2	10.0-120	J	J J3	47.7	40
Indeno(1,2,3-cd)pyrene	0.769	U	0.546	0.619	71.0	79.3	2	10.0-120			12.6	32
Isophorone	0.769	U	0.360	0.404	46.8	51.8	2	13.0-120	J	J	11.7	34
Naphthalene	0.769	U	0.334	0.404	43.4	51.8	2	10.0-120			19.2	35
Nitrobenzene	0.769	U	0.327	0.366	42.5	46.8	2	10.0-120	J	J	11.2	36
n-Nitrosodimethylamine	0.769	U	0.336	0.346	43.7	44.3	2	10.0-127	J	J	2.77	40
n-Nitrosodiphenylamine	0.769	U	0.458	0.551	59.5	70.5	2	17.0-120	J	J	18.5	29
n-Nitrosodi-n-propylamine	0.769	U	0.348	0.407	45.2	52.1	2	10.0-120	J	J	15.6	37
Phenanthrene	0.769	U	0.492	0.568	64.0	72.8	2	17.0-120			14.5	31
Benzylbutyl phthalate	0.769	U	0.567	0.650	73.8	83.2	2	23.0-120	J	J	13.6	30
Bis(2-ethylhexyl)phthalate	0.769	U	0.587	0.664	76.4	85.0	2	17.0-126	J	J	12.3	30
Di-n-butyl phthalate	0.769	U	0.547	0.634	71.2	81.3	2	30.0-120	J	J	14.8	29
Diethyl phthalate	0.769	U	0.529	0.637	68.9	81.6	2	26.0-120	J	J	18.4	28
Dimethyl phthalate	0.769	U	0.488	0.581	63.5	74.5	2	25.0-120	J	J	17.4	29
Di-n-octyl phthalate	0.769	U	0.580	0.643	75.5	82.3	2	21.0-123	J	J	10.2	29
Pyrene	0.769	U	0.521	0.591	67.8	75.7	2	16.0-121			12.5	32
1,2,4-Trichlorobenzene	0.769	U	0.334	0.403	43.4	51.7	2	12.0-120	J	J	18.9	37
4-Chloro-3-methylphenol	0.769	U	0.399	0.478	51.8	61.2	2	15.0-120	J	J	18.0	30
2-Chlorophenol	0.769	U	0.358	0.412	46.6	52.7	2	15.0-120	J	J	13.8	37
2,4-Dichlorophenol	0.769	U	0.375	0.430	48.8	55.1	2	20.0-120	J	J	13.8	31
2,4-Dimethylphenol	0.769	U	0.373	0.414	48.5	53.0	2	10.0-120	J	J	10.5	33
4,6-Dinitro-2-methylphenol	0.769	U	0.612	0.721	79.6	92.3	2	10.0-120	J	J	16.3	39
2,4-Dinitrophenol	0.769	U	0.495	0.599	64.4	76.7	2	10.0-121	J	J	19.0	40
2-Methylphenol	0.769	U	0.401	0.449	52.1	57.6	2	11.0-120	J	J	11.4	40
3&4-Methyl Phenol	0.769	U	0.461	0.515	60.0	66.0	2	12.0-123	J	J	11.1	38
2-Nitrophenol	0.769	U	0.386	0.440	50.2	56.3	2	12.0-120	J	J	13.1	39
4-Nitrophenol	0.769	U	0.426	0.501	55.4	64.2	2	10.0-137	J	J	16.3	32
Pentachlorophenol	0.769	U	0.331	0.403	43.1	51.7	2	10.0-160	J	J	19.6	31
Pyridine	0.769	U	0.215	0.262	27.9	33.5	2	10.0-120	J	J	19.8	40
2,4,5-Trichlorophenol	0.769	U	0.400	0.486	52.0	62.2	2	20.0-120	J	J	19.4	30
2,4,6-Trichlorophenol	0.769	U	0.364	0.471	47.4	60.3	2	19.0-120	J	J	25.4	32
Phenol	0.769	U	0.369	0.390	48.0	50.0	2	12.0-120	J	J	5.59	38
(S) 2-Fluorophenol					*53.8*	*56.5*		*12.0-120*				
(S) Phenol-d5					*52.4*	*53.6*		*10.0-120*				

L1829150-24 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1829150-24 02/27/25 14:16 • (MS) R4181041-1 02/27/25 14:36 • (MSD) R4181041-2 02/27/25 14:57

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Nitrobenzene-d5					*44.5*	*49.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*48.8*	*60.7*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*68.8*	*81.6*		*10.0-127*				
(S) p-Terphenyl-d14					*68.4*	*75.5*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

Method Blank (MB)

(MB) R4181481-2 02/28/25 19:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4181481-2 02/28/25 19:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Methylphenol	U		0.0100	0.333
3&4-Methyl Phenol	U		0.0104	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Pyridine	U		0.0220	0.333
2,4,5-Trichlorophenol	U		0.0113	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
Phenol	U		0.0134	0.333
(S) 2-Fluorophenol	*70.7*			*12.0-120*
(S) Phenol-d5	*67.0*			*10.0-120*
(S) Nitrobenzene-d5	*60.1*			*10.0-122*
(S) 2-Fluorobiphenyl	*63.7*			*15.0-120*
(S) 2,4,6-Tribromophenol	*53.3*			*10.0-127*
(S) p-Terphenyl-d14	*70.6*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4181481-1 02/28/25 19:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.479	71.9	38.0-120	
Acenaphthylene	0.666	0.442	66.4	40.0-120	
Anthracene	0.666	0.474	71.2	42.0-120	
Benzidine	1.33	0.155	11.7	10.0-120	J
Benzo(a)anthracene	0.666	0.482	72.4	44.0-120	
Benzo(b)fluoranthene	0.666	0.503	75.5	43.0-120	
Benzo(k)fluoranthene	0.666	0.511	76.7	44.0-120	
Benzo(g,h,i)perylene	0.666	0.485	72.8	43.0-120	
Benzo(a)pyrene	0.666	0.498	74.8	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.367	55.1	20.0-120	

Laboratory Control Sample (LCS)

(LCS) R4181481-1 02/28/25 19:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bis(2-chloroethyl)ether	0.666	0.529	79.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.444	66.7	23.0-120	
4-Bromophenyl-phenylether	0.666	0.427	64.1	40.0-120	
2-Chloronaphthalene	0.666	0.441	66.2	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.434	65.2	40.0-120	
Chrysene	0.666	0.473	71.0	43.0-120	
Dibenz(a,h)anthracene	0.666	0.509	76.4	44.0-120	
3,3-Dichlorobenzidine	1.33	0.744	55.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.484	72.7	45.0-120	
2,6-Dinitrotoluene	0.666	0.480	72.1	42.0-120	
Fluoranthene	0.666	0.458	68.8	44.0-120	
Fluorene	0.666	0.469	70.4	41.0-120	
Hexachlorobenzene	0.666	0.366	55.0	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.301	45.2	15.0-120	J
Hexachlorocyclopentadiene	0.666	0.161	24.2	15.0-120	J
Hexachloroethane	0.666	0.449	67.4	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.477	71.6	45.0-120	
Isophorone	0.666	0.378	56.8	23.0-120	
Naphthalene	0.666	0.345	51.8	18.0-120	
Nitrobenzene	0.666	0.353	53.0	17.0-120	
n-Nitrosodimethylamine	0.666	0.547	82.1	10.0-125	
n-Nitrosodiphenylamine	0.666	0.450	67.6	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.499	74.9	26.0-120	
Phenanthrene	0.666	0.472	70.9	42.0-120	
Benzylbutyl phthalate	0.666	0.608	91.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.603	90.5	41.0-120	
Di-n-butyl phthalate	0.666	0.516	77.5	43.0-120	
Diethyl phthalate	0.666	0.483	72.5	43.0-120	
Dimethyl phthalate	0.666	0.477	71.6	43.0-120	
Di-n-octyl phthalate	0.666	0.610	91.6	40.0-120	
Pyrene	0.666	0.511	76.7	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.327	49.1	17.0-120	J
4-Chloro-3-methylphenol	0.666	0.327	49.1	28.0-120	J
2-Chlorophenol	0.666	0.432	64.9	28.0-120	
2,4-Dichlorophenol	0.666	0.328	49.2	25.0-120	J
2,4-Dimethylphenol	0.666	0.327	49.1	15.0-120	J
4,6-Dinitro-2-methylphenol	0.666	0.519	77.9	16.0-120	
2,4-Dinitrophenol	0.666	0.371	55.7	10.0-120	
2-Methylphenol	0.666	0.450	67.6	35.0-120	
3&4-Methyl Phenol	0.666	0.496	74.5	42.0-120	

Laboratory Control Sample (LCS)

(LCS) R4181481-1 02/28/25 19:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.381	57.2	20.0-120	
4-Nitrophenol	0.666	0.491	73.7	27.0-120	
Pentachlorophenol	0.666	0.329	49.4	29.0-120	J
Pyridine	0.666	0.182	27.3	10.0-120	J
2,4,5-Trichlorophenol	0.666	0.360	54.1	38.0-120	
2,4,6-Trichlorophenol	0.666	0.411	61.7	37.0-120	
Phenol	0.666	0.433	65.0	28.0-120	
(S) 2-Fluorophenol			*68.8*	*12.0-120*	
(S) Phenol-d5			*67.1*	*10.0-120*	
(S) Nitrobenzene-d5			*48.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*64.0*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*57.4*	*10.0-127*	
(S) p-Terphenyl-d14			*67.6*	*10.0-120*	

L1828604-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828604-07 02/28/25 22:46 • (MS) R4181481-3 02/28/25 23:07 • (MSD) R4181481-4 02/28/25 23:27

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.662	U	0.448	0.457	67.7	69.7	10	18.0-120			1.99	32
Acenaphthylene	0.662	U	0.420	0.446	63.4	68.0	10	25.0-120			6.00	32
Anthracene	0.662	U	0.455	0.681	68.7	104	10	22.0-120		J3	39.8	29
Benzidine	1.32	U	U	U	25.2	24.9	10	10.0-120	J6	J6	1.82	40
Benzo(a)anthracene	0.662	0.153	0.608	1.70	68.7	236	10	25.0-120		J3 J5	94.6	29
Benzo(b)fluoranthene	0.662	0.357	0.816	2.36	69.3	305	10	19.0-122		J3 J5	97.2	31
Benzo(k)fluoranthene	0.662	0.101	0.561	1.06	69.5	146	10	23.0-120		J3 J5	61.6	30
Benzo(g,h,i)perylene	0.662	0.133	0.529	1.04	59.8	138	10	10.0-120		J3 J5	65.1	33
Benzo(a)pyrene	0.662	0.188	0.626	1.71	66.2	232	10	24.0-120		J3 J5	92.8	30
Bis(2-chlorethoxy)methane	0.662	U	0.408	0.367	61.6	55.9	10	10.0-120	J	J	10.6	34
Bis(2-chloroethyl)ether	0.662	U	0.780	0.704	118	107	10	10.0-120	J	J	10.2	40
2,2-Oxybis(1-Chloropropane)	0.662	U	0.436	0.407	65.9	62.0	10	10.0-120	J	J	6.88	40
4-Bromophenyl-phenylether	0.662	U	0.394	0.365	59.5	55.6	10	27.0-120	J	J	7.64	30
2-Chloronaphthalene	0.662	U	0.404	0.389	61.0	59.3	10	20.0-120			3.78	32
4-Chlorophenyl-phenylether	0.662	U	0.374	0.401	56.5	61.1	10	24.0-120	J	J	6.97	29
Chrysene	0.662	0.142	0.626	1.41	73.1	193	10	21.0-120		J3 J5	77.0	29
Dibenz(a,h)anthracene	0.662	U	0.386	U	58.3	0.000	10	10.0-120		J3 J6	200	32
3,3-Dichlorobenzidine	1.32	U	0.544	0.488	41.2	37.3	10	10.0-120	J	J	10.9	34
2,4-Dinitrotoluene	0.662	U	0.393	0.380	59.4	57.9	10	30.0-120	J	J	3.36	31
2,6-Dinitrotoluene	0.662	U	0.393	0.389	59.4	59.3	10	25.0-120	J	J	1.02	31

L1828604-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828604-07 02/28/25 22:46 • (MS) R4181481-3 02/28/25 23:07 • (MSD) R4181481-4 02/28/25 23:27

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoranthene	0.662	0.229	0.658	2.71	64.8	378	10	18.0-126		J3 J5	122	32
Fluorene	0.662	U	0.439	0.460	66.3	70.1	10	25.0-120			4.67	30
Hexachlorobenzene	0.662	U	0.317	0.319	47.9	48.6	10	27.0-120	J	J	0.629	28
Hexachloro-1,3-butadiene	0.662	U	0.329	0.321	49.7	48.9	10	10.0-120	J	J	2.46	38
Hexachlorocyclopentadiene	0.662	U	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.662	U	0.402	0.401	60.7	61.1	10	10.0-120	J	J	0.249	40
Indeno(1,2,3-cd)pyrene	0.662	0.149	0.538	1.11	58.8	146	10	10.0-120		J3 J5	69.4	32
Isophorone	0.662	0.186	0.402	0.369	32.6	27.9	10	13.0-120	J	J	8.56	34
Naphthalene	0.662	U	0.401	0.520	60.6	79.3	10	10.0-120			25.8	35
Nitrobenzene	0.662	U	0.385	0.354	58.2	54.0	10	10.0-120	J	J	8.39	36
n-Nitrosodimethylamine	0.662	U	0.496	U	74.9	0.000	10	10.0-127	J	J3 J6	200	40
n-Nitrosodiphenylamine	0.662	U	0.410	0.401	61.9	61.1	10	17.0-120	J	J	2.22	29
n-Nitrosodi-n-propylamine	0.662	U	0.475	0.426	71.8	64.9	10	10.0-120	J	J	10.9	37
Phenanthrene	0.662	0.101	0.495	1.32	59.5	186	10	17.0-120		J3 J5	90.9	31
Benzylbutyl phthalate	0.662	U	0.590	0.577	89.1	88.0	10	23.0-120	J	J	2.23	30
Bis(2-ethylhexyl)phthalate	0.662	0.515	0.657	1.60	21.5	165	10	17.0-126	J	J J3 J5	83.6	30
Di-n-butyl phthalate	0.662	U	0.465	0.455	70.2	69.4	10	30.0-120	J	J	2.17	29
Diethyl phthalate	0.662	U	0.436	0.419	65.9	63.9	10	26.0-120	J	J	3.98	28
Dimethyl phthalate	0.662	U	ND	ND	63.0	63.4	10	25.0-120	J	J	0.240	29
Di-n-octyl phthalate	0.662	U	0.573	0.563	86.6	85.8	10	21.0-123	J	J	1.76	29
Pyrene	0.662	0.255	0.692	2.50	66.0	342	10	16.0-121		J3 J5	113	32
1,2,4-Trichlorobenzene	0.662	U	0.334	0.341	50.5	52.0	10	12.0-120	J	J	2.07	37
4-Chloro-3-methylphenol	0.662	U	0.357	0.362	53.9	55.2	10	15.0-120	J	J	1.39	30
2-Chlorophenol	0.662	U	0.379	0.367	57.3	55.9	10	15.0-120	J	J	3.22	37
2,4-Dichlorophenol	0.662	U	0.379	0.351	57.3	53.5	10	20.0-120	J	J	7.67	31
2,4-Dimethylphenol	0.662	U	0.377	0.362	56.9	55.2	10	10.0-120	J	J	4.06	33
4,6-Dinitro-2-methylphenol	0.662	U	ND	ND	36.1	34.0	10	10.0-120	J	J	6.93	39
2,4-Dinitrophenol	0.662	U	U	U	0.000	0.000	10	10.0-121	J6	J6	0.000	40
2-Methylphenol	0.662	U	0.474	0.480	71.6	73.2	10	11.0-120	J	J	1.26	40
3&4-Methyl Phenol	0.662	U	0.485	0.471	73.3	71.8	10	12.0-123	J	J	2.93	38
2-Nitrophenol	0.662	U	0.366	0.377	55.3	57.5	10	12.0-120	J	J	2.96	39
4-Nitrophenol	0.662	U	0.290	0.276	43.8	42.1	10	10.0-137	J	J	4.95	32
Pentachlorophenol	0.662	U	0.263	0.248	39.7	37.8	10	10.0-160	J	J	5.87	31
Pyridine	0.662	U	U	U	0.000	0.000	10	10.0-120	J6	J6	0.000	40
2,4,5-Trichlorophenol	0.662	U	0.381	0.327	57.6	49.8	10	20.0-120	J	J	15.3	30
2,4,6-Trichlorophenol	0.662	U	0.374	0.350	56.5	53.4	10	19.0-120	J	J	6.63	32
Phenol	0.662	U	0.382	0.423	57.7	64.5	10	12.0-120	J	J	10.2	38
(S) 2-Fluorophenol					*61.6*	*60.4*		*12.0-120*				
(S) Phenol-d5					*62.8*	*62.5*		*10.0-120*				
(S) Nitrobenzene-d5					*55.9*	*56.1*		*10.0-122*				

L1828604-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828604-07 02/28/25 22:46 • (MS) R4181481-3 02/28/25 23:07 • (MSD) R4181481-4 02/28/25 23:27

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) 2-Fluorobiphenyl					*61.6*	*57.0*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*49.8*	*51.8*		*10.0-127*				
(S) p-Terphenyl-d14					*58.0*	*58.8*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix.

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

GLOSSARY OF TERMS

Qualifier	Description
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
TRC - BNSF Region 4

6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
Accounts Payable
6 Executive Circle, Suite 200
Irvine, CA 92614

Pres Chk

Report to:
Paul Kee 949-341-7447

Email To:
PKee@trccompanies.com;JMaldonado@trccom

Project Description:
BNSF - Gerald Depue

City/State Collected: **BARSTOW, CA**

Please Circle: (PT) MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
645787 / 00TA02

Lab Project #
BNSF4TRC-GERALD

Collected by (print):
SAM FRANZ

Site/Facility ID #
DEPUE, GERALD

P.O. #
227502

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed: **STANDARD 10 DAY TAT**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 8ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 8ozClr-NoPres	SV8270 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr						Remarks	Sample # (lab only)
SB-2-2	GRAB	SS	2	02/18/25	750	4	X	X	X	X	X							01
SB-2-5		SS	5		8:00		H	O	L	D							HOLD	02
SB-2-10		SS	10		8:25		X	X	X	X	X							03
SB-2-15		SS	15		8:40			H	O	L	D						HOLD	04
SB-2-20		SS	20		9:50		X	X	X	X	X							05
SB-3-2		SS	2		9:05		X	X	X	X	X						~~HOLD~~ SF	06
SB-3-5		SS	5		9:10		H	O	L	D							HOLD	07
SB-1-2		SS	2		10:15		X	X	X	X	X							08
SB-1-5		SS	5		10:20		H	O	L	D							HOLD	09
SB-6-2	↓	SS	2	↓	10:30	↓	X	X	X	X	X							10

Analysis / Container / Preservative

Chain of Custody Page 1 of 3 (20)

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1823473
F181

Acctnum: **BNSF4TRC**
Template: **T268432**
Prelogin: **P1131758**
PM: **4089 - Andi R Jones**
PB:

Shipped Via: **Courier**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR	If preservation required by Login: Date/Time
	2/20/25	9:23	PACE		
Relinquished by : (Signature) PACE	Date: 2/20	Time: 1030	Received by: (Signature)	Temp: °C Bottles Received: 104	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) CRoberts	Date: 02/21/25 Time: 0800	Hold: Condition: (NCF) / OK

(2e) Page 2 of 3

Company Name/Address:
TRC - BNSF Region 4
6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
Accounts Payable
6 Executive Circle, Suite 200
Irvine, CA 92614

Pres Chk

Report to: Paul Kee 949-341-7447

Email To: PKee@trccompanies.com;JMaldonado@trccom

Project Description: BNSF - Gerald Depue

City/State Collected: BARSTOW, CA

Please Circle: (PT) MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project # 645787 / 00TA02

Lab Project # BNSF4TRC-GERALD

Collected by (print): ZACH ELEVADO

Site/Facility ID # DEPUE, GERALD

P.O. # 227502

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed: STANDARD 10 DAY TAT

Immediately Packed on Ice N ___ Y X

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 8ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 8ozClr-NoPres	SV8270 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
SB-9-10	G	SS	10	02/18/2025	0845	4	X	X	X	X	X		11
SB-9-15		SS	15		0915				HOLD			HOLD	12
SB-9-20		SS	20		0930		X	X	X	X	X		13
SB-8-10		SS	10		1030		X	X	X	X	X		14
SB-8-15		SS	15		1045			HOLD				HOLD	15
SB-8-20		SS	20		1100		X	X	X	X	X		16
SB-7-10		SS	10		1130		X	X	X	X	X		17
SB-7-15		SS	15		1145			HOLD				HOLD	18
SB-7-20		SS	20		1200		X	X	X	X	X		19
SB-5-10		SS	10		1345		X	X	X	X	X		20

Chain of Custody

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1828473

Table #

Acctnum: BNSF4TRC
Template: T268432
Prelogin: P1131758
PM: 4089 - Andi R Jones
PB:

Shipped Via: Courier

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		X N
Bottles arrive intact:		X N
Correct bottles used:		X N
Sufficient volume sent:		X N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		X N

	Date:	Time:		
Relinquished by: (Signature)	02/18/25	1430	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR
Relinquished by: (Signature)	2/20/25	a:23	Received by: (Signature) PACE	Temp: °C Bottles Received: 104
Relinquished by: (Signature) PACE	2/20	1030	Received for lab by: (Signature) CRobards	Date: 02.21.25 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

3 3

Company Name/Address:
TRC - BNSF Region 4

6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
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Lab Project #
BNSF4TRC-GERALD

Collected by (print):
SAM FRANZ

Site/Facility ID #
DEPUE, GERALD

P.O. #
227502

Collected by (signature):
Immediately
Packed on Ice N ___ Y X

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___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed
STANDARD 10 DAY TAT

No. of Cntrs

Analysis / Container / Preservative

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SB-6-5	Grab	SS	5	2/18/25	10:40	4	HOLD					HOLD	21
SB-4-10	↓	SS	10	↓	1500	4	X	X	X	X	X		22
SB-4-15	↓	SS	15	↓	1515	4			HOLD			HOLD	23
SB-4-20	↓	SS	20	↓	1530	4	X	X	X	X	X		24
SB-5-15	G	SS	15	2/18/2025	1400	4		HOLD				HOLD	25
SB-5-20	G	SS	20		1415	4	X	X	X	X	X		
		SS											
		SS											
		SS											
		SS											

Chain of Custody Page 2 of 2 (2e)

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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SDG # L1823473

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SS - Soil AIR - Air F - Filter
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Remarks:

pH _____ Temp _____
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Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	2/20/25	9:22	PACE	
Relinquished by : (Signature) PACE	Date: 2/20	Time: 1030	Received by: (Signature)	Temp: °C Bottles Received: 104
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) CRogers	Date: 02.21.25 Time: 0805

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

L#_____

Fed Ex tracking #	Gun ID	Temperature
SWA	TLA9	2.6+0.4=3.0
↓	↓	2.7+0.4=3.1
		0.7+0.4=1.1
		1.7+0.4=2.1

_____ _____

Name Date

2/21 L1828473 BNSF4TRC

R5

Time estimate: oh **Time spent:** oh

Members

MS Matthew Shacklock (responsible) AJ Andi Jones

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [x] Client informed by Email
- [ ] Client informed by Voicemail
- [x] Date/Time:__February 21, 2025 12:13 PM__
- [x] PM initials:____AJ_____
- [x] Client Contact:____Paul Kee__

Comments

Matthew Shacklock *21 February 2025 10:20 AM*

Received 2 sets marked SB-8-20.one set has the date and time that matches ID SB-8-15 which we don't have containers marked for that. Labeled the one that date and time matches as SB-8-15

Andi Jones *21 February 2025 12:19 PM*

From: Kee, Paul <PKee@trccompanies.com>
Sent: Friday, February 21, 2025 12:13 PM
To: Andi Jones <andi.jones@pacelabs.com>
Cc: Maldonado, Jose <JMaldonado@trccompanies.com>; Elevario, Zachary <ZElevario@trccompanies.com>; Franz, Samuel <SFranz@trccompanies.com>
Subject: RE: [EXTERNAL] Gerald L1828473 Labeling

Hey Andi,

Please relabel the sample originally labeled SB-8-20, collected at 10:45, to SB-8-15.

Thanks,

Paul Kee

Matthew Shacklock *21 February 2025 6:35 PM*

Done

ANALYTICAL REPORT

March 03, 2025

TRC - BNSF Region 4

Sample Delivery Group:	L1828468
Samples Received:	02/21/2025
Project Number:	645787 / 00TA02
Description:	BNSF - Gerald Depue

Report To: Paul Kee
6 Executive Circle, Suite 200
Irvine, CA 92614

Entire Report Reviewed By:

Andi R Jones
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SB-3-10 L1828468-01 Solid

Collected by: Zach Elevario | Collected date/time: 02/19/25 08:00 | Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2455946	1	02/21/25 17:21	02/21/25 17:27	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2455969	1	02/21/25 21:01	02/23/25 18:18	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2456234	1	02/22/25 16:15	02/23/25 08:51	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2456576	25	02/19/25 08:00	02/23/25 13:01	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2456603	1	02/19/25 08:00	02/23/25 12:17	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015C	WG2456482	1	02/23/25 07:44	02/24/25 20:09	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2457415	1	02/26/25 07:54	02/26/25 20:45	ALM	Mt. Juliet, TN

SB-3-20 L1828468-03 Solid

Collected by: Zach Elevario | Collected date/time: 02/19/25 08:30 | Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2455946	1	02/21/25 17:21	02/21/25 17:27	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2455969	1	02/21/25 21:01	02/23/25 18:21	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2456234	1	02/22/25 16:15	02/23/25 08:53	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2456576	25	02/19/25 08:30	02/23/25 13:34	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2456603	1	02/19/25 08:30	02/23/25 12:36	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015C	WG2456482	1	02/23/25 07:44	02/24/25 20:24	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2457415	1	02/26/25 07:54	02/26/25 21:09	ALM	Mt. Juliet, TN

SB-1-10 L1828468-04 Solid

Collected by: Zach Elevario | Collected date/time: 02/19/25 09:15 | Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2455946	1	02/21/25 17:21	02/21/25 17:27	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2455980	1	02/21/25 20:56	02/23/25 16:11	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2456531	1	02/23/25 09:54	02/24/25 11:42	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2456576	25	02/19/25 09:15	02/23/25 13:54	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2456603	1	02/19/25 09:15	02/23/25 12:55	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015C	WG2456482	1	02/23/25 07:44	02/24/25 20:38	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2457415	1	02/26/25 07:54	02/26/25 21:33	ALM	Mt. Juliet, TN

SB-1-20 L1828468-06 Solid

Collected by: Zach Elevario | Collected date/time: 02/19/25 09:45 | Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2455946	1	02/21/25 17:21	02/21/25 17:27	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2456307	1	02/25/25 13:07	02/25/25 20:32	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2456531	1	02/23/25 09:54	02/24/25 11:44	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2456577	25	02/19/25 09:45	02/23/25 11:43	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2456603	1	02/19/25 09:45	02/23/25 13:14	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015C	WG2456482	1	02/23/25 07:44	02/24/25 20:52	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2457415	1	02/26/25 07:54	02/26/25 21:57	ALM	Mt. Juliet, TN

SB-6-10 L1828468-07 Solid

Collected by: Zach Elevario | Collected date/time: 02/19/25 10:30 | Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2455946	1	02/21/25 17:21	02/21/25 17:27	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG2456307	1	02/25/25 13:07	02/25/25 20:35	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2456531	1	02/23/25 09:54	02/24/25 11:49	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2456577	25	02/19/25 10:30	02/23/25 12:06	ACG	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

SB-6-10 L1828468-07 Solid

Collected by: Zach Elevario | Collected date/time: 02/19/25 10:30 | Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2456603	1	02/19/25 10:30	02/23/25 13:33	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015C	WG2458775	1	02/27/25 07:36	02/28/25 01:51	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2457415	1	02/26/25 07:54	02/26/25 22:21	ALM	Mt. Juliet, TN

SB-6-20 L1828468-09 Solid

Collected by: Zach Elevario | Collected date/time: 02/19/25 11:00 | Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2456122	1	02/22/25 10:27	02/22/25 10:42	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2456307	1	02/25/25 13:07	02/25/25 20:37	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2456531	1	02/23/25 09:54	02/24/25 11:50	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2456577	25	02/19/25 11:00	02/23/25 12:28	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2456603	1	02/19/25 11:00	02/23/25 13:52	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015C	WG2458775	1	02/27/25 07:36	02/27/25 21:25	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2457415	1	02/26/25 07:54	02/26/25 22:45	ALM	Mt. Juliet, TN

SP-4 L1828468-10 Solid

Collected by: Zach Elevario | Collected date/time: 02/19/25 12:30 | Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2456122	1	02/22/25 10:27	02/22/25 10:42	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2456307	1	02/25/25 13:07	02/25/25 20:40	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2456531	1	02/23/25 09:54	02/24/25 11:52	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2456577	25	02/19/25 12:30	02/23/25 12:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2456603	1	02/19/25 12:30	02/23/25 14:11	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015C	WG2458775	2	02/27/25 07:36	02/28/25 10:31	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2457415	1	02/26/25 07:54	02/27/25 02:46	ALM	Mt. Juliet, TN

GW-1 L1828468-11 GW

Collected by: Zach Elevario | Collected date/time: 02/19/25 14:15 | Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2455895	1	02/25/25 14:12	02/26/25 12:19	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2457449	1	02/26/25 08:01	02/26/25 12:50	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2457449	1	02/26/25 08:01	02/26/25 17:11	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2456082	1	02/21/25 23:59	02/21/25 23:59	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2456282	1	02/22/25 17:47	02/22/25 17:47	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2457113	1	02/25/25 01:13	02/25/25 01:13	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015C	WG2457404	1	02/26/25 07:04	02/27/25 13:37	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2456497	1	02/25/25 09:11	02/28/25 08:54	MBE	Mt. Juliet, TN

GW-2 L1828468-12 GW

Collected by: Zach Elevario | Collected date/time: 02/19/25 14:25 | Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2455895	1	02/25/25 14:12	02/26/25 12:22	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2457449	1	02/26/25 08:01	02/26/25 13:03	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2457449	1	02/26/25 08:01	02/26/25 17:24	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2456082	1	02/22/25 00:21	02/22/25 00:21	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2456282	1	02/22/25 18:09	02/22/25 18:09	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2457113	1	02/25/25 01:35	02/25/25 01:35	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015C	WG2457404	1	02/26/25 07:04	02/27/25 13:57	TJD	Mt. Juliet, TN

GW-2 L1828468-12 GW

Collected by: Zach Elevario
Collected date/time: 02/19/25 14:25
Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2456497	1	02/25/25 09:11	02/28/25 09:16	MBE	Mt. Juliet, TN

SB-10-2 L1828468-13 Solid

Collected by: Zach Elevario
Collected date/time: 02/19/25 11:30
Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2456122	1	02/22/25 10:27	02/22/25 10:42	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2455969	1	02/21/25 21:01	02/23/25 18:31	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2456531	1	02/23/25 09:54	02/24/25 11:54	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2456577	25	02/19/25 14:25	02/23/25 13:13	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2456603	1	02/19/25 14:25	02/23/25 14:30	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015C	WG2458775	2	02/27/25 07:36	02/28/25 10:02	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2457415	1	02/26/25 07:54	02/27/25 03:09	ALM	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Andi R Jones
Project Manager

Sample Delivery Group (SDG) Narrative

Analysis was filtered in the laboratory.

Lab Sample ID	Project Sample ID	Method
L1828468-11	GW-1	6020B, 7470A
L1828468-12	GW-2	6020B, 7470A
R4180458-3		6020B
R4180571-3		6020B

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.5		1	02/21/2025 17:27	WG2455946

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0209	0.0406	1	02/23/2025 18:18	WG2455969

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	0.989	J	0.702	2.03	1	02/23/2025 08:51	WG2456234
Arsenic	1.85	J	0.850	2.03	1	02/23/2025 08:51	WG2456234
Barium	25.1		0.0863	0.508	1	02/23/2025 08:51	WG2456234
Beryllium	0.110	J	0.0484	0.203	1	02/23/2025 08:51	WG2456234
Cadmium	0.0855	J	0.0663	0.508	1	02/23/2025 08:51	WG2456234
Chromium	6.36		0.217	1.02	1	02/23/2025 08:51	WG2456234
Cobalt	2.89		0.180	1.02	1	02/23/2025 08:51	WG2456234
Copper	4.27		0.363	2.03	1	02/23/2025 08:51	WG2456234
Lead	2.51		0.331	0.508	1	02/23/2025 08:51	WG2456234
Molybdenum	0.393	J	0.0173	0.508	1	02/23/2025 08:51	WG2456234
Nickel	3.08		0.203	2.03	1	02/23/2025 08:51	WG2456234
Selenium	U		1.09	2.03	1	02/23/2025 08:51	WG2456234
Silver	U		0.129	1.02	1	02/23/2025 08:51	WG2456234
Thallium	U		0.526	2.03	1	02/23/2025 08:51	WG2456234
Vanadium	24.6		0.389	2.03	1	02/23/2025 08:51	WG2456234
Zinc	14.9		0.989	5.08	1	02/23/2025 08:51	WG2456234

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	0.912	J	0.857	2.58	25	02/23/2025 13:01	WG2456576
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-120*		*02/23/2025 13:01*	WG2456576

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0377	0.0516	1	02/23/2025 12:17	WG2456603
Acrylonitrile	U		0.00373	0.0129	1	02/23/2025 12:17	WG2456603
Benzene	U		0.000482	0.00103	1	02/23/2025 12:17	WG2456603
Bromobenzene	U		0.000929	0.0129	1	02/23/2025 12:17	WG2456603
Bromodichloromethane	U		0.000749	0.00258	1	02/23/2025 12:17	WG2456603
Bromoform	U		0.00121	0.0258	1	02/23/2025 12:17	WG2456603
Bromomethane	U	C3	0.00203	0.0129	1	02/23/2025 12:17	WG2456603
n-Butylbenzene	U		0.00542	0.0129	1	02/23/2025 12:17	WG2456603
sec-Butylbenzene	U		0.00297	0.0129	1	02/23/2025 12:17	WG2456603
tert-Butylbenzene	U		0.00201	0.00516	1	02/23/2025 12:17	WG2456603
Carbon tetrachloride	U		0.000927	0.00516	1	02/23/2025 12:17	WG2456603
Chlorobenzene	U		0.000217	0.00258	1	02/23/2025 12:17	WG2456603
Chlorodibromomethane	U		0.000632	0.00258	1	02/23/2025 12:17	WG2456603
Chloroethane	U		0.00176	0.00516	1	02/23/2025 12:17	WG2456603
Chloroform	U		0.00106	0.00258	1	02/23/2025 12:17	WG2456603
Chloromethane	U		0.00449	0.0129	1	02/23/2025 12:17	WG2456603
2-Chlorotoluene	U		0.000893	0.00258	1	02/23/2025 12:17	WG2456603

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorotoluene	U		0.000465	0.00516	1	02/23/2025 12:17	WG2456603
1,2-Dibromo-3-Chloropropane	U		0.00403	0.0258	1	02/23/2025 12:17	WG2456603
1,2-Dibromoethane	U		0.000669	0.00258	1	02/23/2025 12:17	WG2456603
Dibromomethane	U		0.000774	0.00516	1	02/23/2025 12:17	WG2456603
1,2-Dichlorobenzene	U		0.000439	0.00516	1	02/23/2025 12:17	WG2456603
1,3-Dichlorobenzene	U		0.000619	0.00516	1	02/23/2025 12:17	WG2456603
1,4-Dichlorobenzene	U		0.000723	0.00516	1	02/23/2025 12:17	WG2456603
Dichlorodifluoromethane	U	C3	0.00166	0.00516	1	02/23/2025 12:17	WG2456603
1,1-Dichloroethane	U		0.000507	0.00258	1	02/23/2025 12:17	WG2456603
1,2-Dichloroethane	U		0.000670	0.00258	1	02/23/2025 12:17	WG2456603
1,1-Dichloroethene	U		0.000626	0.00258	1	02/23/2025 12:17	WG2456603
cis-1,2-Dichloroethene	U		0.000758	0.00258	1	02/23/2025 12:17	WG2456603
trans-1,2-Dichloroethene	U		0.00107	0.00516	1	02/23/2025 12:17	WG2456603
1,2-Dichloropropane	U		0.00147	0.00516	1	02/23/2025 12:17	WG2456603
1,1-Dichloropropene	U		0.000835	0.00258	1	02/23/2025 12:17	WG2456603
1,3-Dichloropropane	U		0.000517	0.00516	1	02/23/2025 12:17	WG2456603
cis-1,3-Dichloropropene	U		0.000782	0.00258	1	02/23/2025 12:17	WG2456603
trans-1,3-Dichloropropene	U		0.00118	0.00516	1	02/23/2025 12:17	WG2456603
2,2-Dichloropropane	U		0.00142	0.00258	1	02/23/2025 12:17	WG2456603
Di-isopropyl ether	U		0.000423	0.00103	1	02/23/2025 12:17	WG2456603
Ethylbenzene	U		0.000761	0.00258	1	02/23/2025 12:17	WG2456603
Hexachloro-1,3-butadiene	U		0.00619	0.0258	1	02/23/2025 12:17	WG2456603
Isopropylbenzene	U		0.000439	0.00258	1	02/23/2025 12:17	WG2456603
p-Isopropyltoluene	U		0.00263	0.00516	1	02/23/2025 12:17	WG2456603
2-Butanone (MEK)	U		0.0656	0.103	1	02/23/2025 12:17	WG2456603
Methylene Chloride	U		0.00686	0.0258	1	02/23/2025 12:17	WG2456603
4-Methyl-2-pentanone (MIBK)	U		0.00235	0.0258	1	02/23/2025 12:17	WG2456603
Methyl tert-butyl ether	U		0.000361	0.00103	1	02/23/2025 12:17	WG2456603
Naphthalene	U		0.00504	0.0129	1	02/23/2025 12:17	WG2456603
n-Propylbenzene	U		0.000981	0.00516	1	02/23/2025 12:17	WG2456603
Styrene	U		0.000236	0.0129	1	02/23/2025 12:17	WG2456603
1,1,1,2-Tetrachloroethane	U		0.000979	0.00258	1	02/23/2025 12:17	WG2456603
1,1,2,2-Tetrachloroethane	U		0.000718	0.00258	1	02/23/2025 12:17	WG2456603
1,1,2-Trichlorotrifluoroethane	U		0.000778	0.00258	1	02/23/2025 12:17	WG2456603
Tetrachloroethene	U		0.000925	0.00258	1	02/23/2025 12:17	WG2456603
Toluene	U		0.00134	0.00516	1	02/23/2025 12:17	WG2456603
1,2,3-Trichlorobenzene	U	C3	0.00757	0.0129	1	02/23/2025 12:17	WG2456603
1,2,4-Trichlorobenzene	U	C3	0.00454	0.0129	1	02/23/2025 12:17	WG2456603
1,1,1-Trichloroethane	U		0.000953	0.00258	1	02/23/2025 12:17	WG2456603
1,1,2-Trichloroethane	U		0.000616	0.00258	1	02/23/2025 12:17	WG2456603
Trichloroethene	U		0.000603	0.00103	1	02/23/2025 12:17	WG2456603
Trichlorofluoromethane	U		0.000854	0.00258	1	02/23/2025 12:17	WG2456603
1,2,3-Trichloropropane	U		0.00167	0.0129	1	02/23/2025 12:17	WG2456603
1,2,4-Trimethylbenzene	U		0.00163	0.00516	1	02/23/2025 12:17	WG2456603
1,2,3-Trimethylbenzene	U		0.00163	0.00516	1	02/23/2025 12:17	WG2456603
Vinyl chloride	U	C3	0.00120	0.00258	1	02/23/2025 12:17	WG2456603
1,3,5-Trimethylbenzene	U		0.00206	0.00516	1	02/23/2025 12:17	WG2456603
Xylenes, Total	U		0.000909	0.00671	1	02/23/2025 12:17	WG2456603
(S) Toluene-d8	*97.6*			*75.0-131*		*02/23/2025 12:17*	WG2456603
(S) 4-Bromofluorobenzene	*96.4*			*67.0-138*		*02/23/2025 12:17*	WG2456603
(S) 1,2-Dichloroethane-d4	*86.4*			*70.0-130*		*02/23/2025 12:17*	WG2456603

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		2.57	4.06	1	02/24/2025 20:09	WG2456482
C22-C32 Hydrocarbons	U		2.57	4.06	1	02/24/2025 20:09	WG2456482
C32-C40 Hydrocarbons	U		2.57	4.06	1	02/24/2025 20:09	WG2456482
(S) o-Terphenyl	*88.0*			*18.0-148*		*02/24/2025 20:09*	WG2456482

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00547	0.0338	1	02/26/2025 20:45	WG2457415
Acenaphthylene	U		0.00476	0.0338	1	02/26/2025 20:45	WG2457415
Anthracene	U		0.00602	0.0338	1	02/26/2025 20:45	WG2457415
Benzidine	U	C3	0.0636	1.70	1	02/26/2025 20:45	WG2457415
Benzo(a)anthracene	U		0.00596	0.0338	1	02/26/2025 20:45	WG2457415
Benzo(b)fluoranthene	U		0.00631	0.0338	1	02/26/2025 20:45	WG2457415
Benzo(k)fluoranthene	U		0.00601	0.0338	1	02/26/2025 20:45	WG2457415
Benzo(g,h,i)perylene	U		0.00619	0.0338	1	02/26/2025 20:45	WG2457415
Benzo(a)pyrene	U		0.00629	0.0338	1	02/26/2025 20:45	WG2457415
Bis(2-chlorethoxy)methane	U		0.0102	0.338	1	02/26/2025 20:45	WG2457415
Bis(2-chloroethyl)ether	U		0.0112	0.338	1	02/26/2025 20:45	WG2457415
2,2-Oxybis(1-Chloropropane)	U		0.0146	0.338	1	02/26/2025 20:45	WG2457415
4-Bromophenyl-phenylether	U		0.0119	0.338	1	02/26/2025 20:45	WG2457415
2-Chloronaphthalene	U		0.00594	0.0338	1	02/26/2025 20:45	WG2457415
4-Chlorophenyl-phenylether	U		0.0118	0.338	1	02/26/2025 20:45	WG2457415
Chrysene	U		0.00672	0.0338	1	02/26/2025 20:45	WG2457415
Dibenz(a,h)anthracene	U		0.00938	0.0338	1	02/26/2025 20:45	WG2457415
3,3-Dichlorobenzidine	U		0.0125	0.338	1	02/26/2025 20:45	WG2457415
2,4-Dinitrotoluene	U		0.00970	0.338	1	02/26/2025 20:45	WG2457415
2,6-Dinitrotoluene	U		0.0111	0.338	1	02/26/2025 20:45	WG2457415
Fluoranthene	U		0.00610	0.0338	1	02/26/2025 20:45	WG2457415
Fluorene	U		0.00551	0.0338	1	02/26/2025 20:45	WG2457415
Hexachlorobenzene	U		0.0120	0.338	1	02/26/2025 20:45	WG2457415
Hexachloro-1,3-butadiene	U		0.0114	0.338	1	02/26/2025 20:45	WG2457415
Hexachlorocyclopentadiene	U		0.0178	0.338	1	02/26/2025 20:45	WG2457415
Hexachloroethane	U		0.0133	0.338	1	02/26/2025 20:45	WG2457415
Indeno(1,2,3-cd)pyrene	U		0.00956	0.0338	1	02/26/2025 20:45	WG2457415
Isophorone	U		0.0104	0.338	1	02/26/2025 20:45	WG2457415
Naphthalene	U		0.00849	0.0338	1	02/26/2025 20:45	WG2457415
Nitrobenzene	U		0.0118	0.338	1	02/26/2025 20:45	WG2457415
n-Nitrosodimethylamine	U		0.0502	0.338	1	02/26/2025 20:45	WG2457415
n-Nitrosodiphenylamine	U		0.0256	0.338	1	02/26/2025 20:45	WG2457415
n-Nitrosodi-n-propylamine	U		0.0113	0.338	1	02/26/2025 20:45	WG2457415
Phenanthrene	U		0.00671	0.0338	1	02/26/2025 20:45	WG2457415
Benzylbutyl phthalate	U		0.0106	0.338	1	02/26/2025 20:45	WG2457415
Bis(2-ethylhexyl)phthalate	U		0.0429	0.338	1	02/26/2025 20:45	WG2457415
Di-n-butyl phthalate	U		0.0116	0.338	1	02/26/2025 20:45	WG2457415
Diethyl phthalate	U		0.0112	0.338	1	02/26/2025 20:45	WG2457415
Dimethyl phthalate	U		0.0717	0.338	1	02/26/2025 20:45	WG2457415
Di-n-octyl phthalate	U		0.0229	0.338	1	02/26/2025 20:45	WG2457415
Pyrene	U		0.00658	0.0338	1	02/26/2025 20:45	WG2457415
1,2,4-Trichlorobenzene	U		0.0106	0.338	1	02/26/2025 20:45	WG2457415
4-Chloro-3-methylphenol	U		0.0110	0.338	1	02/26/2025 20:45	WG2457415
2-Chlorophenol	U		0.0112	0.338	1	02/26/2025 20:45	WG2457415
2,4-Dichlorophenol	U		0.00985	0.338	1	02/26/2025 20:45	WG2457415
2,4-Dimethylphenol	U		0.00884	0.338	1	02/26/2025 20:45	WG2457415
4,6-Dinitro-2-methylphenol	U		0.0767	0.338	1	02/26/2025 20:45	WG2457415
2,4-Dinitrophenol	U		0.0791	0.338	1	02/26/2025 20:45	WG2457415

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	U		0.0102	0.338	1	02/26/2025 20:45	WG2457415
3&4-Methyl Phenol	U		0.0106	0.338	1	02/26/2025 20:45	WG2457415
2-Nitrophenol	U		0.0121	0.338	1	02/26/2025 20:45	WG2457415
4-Nitrophenol	U		0.0106	0.338	1	02/26/2025 20:45	WG2457415
Pentachlorophenol	U		0.00910	0.338	1	02/26/2025 20:45	WG2457415
Pyridine	U		0.0223	0.338	1	02/26/2025 20:45	WG2457415
2,4,5-Trichlorophenol	U		0.0115	0.338	1	02/26/2025 20:45	WG2457415
2,4,6-Trichlorophenol	U		0.0109	0.338	1	02/26/2025 20:45	WG2457415
Phenol	U		0.0136	0.338	1	02/26/2025 20:45	WG2457415
(S) 2-Fluorophenol	*80.3*			*12.0-120*		*02/26/2025 20:45*	WG2457415
(S) Phenol-d5	*73.7*			*10.0-120*		*02/26/2025 20:45*	WG2457415
(S) Nitrobenzene-d5	*73.5*			*10.0-122*		*02/26/2025 20:45*	WG2457415
(S) 2-Fluorobiphenyl	*79.4*			*15.0-120*		*02/26/2025 20:45*	WG2457415
(S) 2,4,6-Tribromophenol	*79.2*			*10.0-127*		*02/26/2025 20:45*	WG2457415
(S) p-Terphenyl-d14	*85.2*			*10.0-120*		*02/26/2025 20:45*	WG2457415

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.4		1	02/21/2025 17:27	WG2455946

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0212	0.0411	1	02/23/2025 18:21	WG2455969

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.44	J	0.710	2.05	1	02/23/2025 08:53	WG2456234
Arsenic	1.46	J	0.859	2.05	1	02/23/2025 08:53	WG2456234
Barium	30.5		0.0873	0.513	1	02/23/2025 08:53	WG2456234
Beryllium	0.166	J	0.0490	0.205	1	02/23/2025 08:53	WG2456234
Cadmium	U		0.0671	0.513	1	02/23/2025 08:53	WG2456234
Chromium	9.48		0.220	1.03	1	02/23/2025 08:53	WG2456234
Cobalt	3.22		0.182	1.03	1	02/23/2025 08:53	WG2456234
Copper	4.43		0.367	2.05	1	02/23/2025 08:53	WG2456234
Lead	2.77		0.335	0.513	1	02/23/2025 08:53	WG2456234
Molybdenum	0.598		0.0175	0.513	1	02/23/2025 08:53	WG2456234
Nickel	2.57		0.205	2.05	1	02/23/2025 08:53	WG2456234
Selenium	U		1.10	2.05	1	02/23/2025 08:53	WG2456234
Silver	U		0.130	1.03	1	02/23/2025 08:53	WG2456234
Thallium	U		0.532	2.05	1	02/23/2025 08:53	WG2456234
Vanadium	19.8		0.393	2.05	1	02/23/2025 08:53	WG2456234
Zinc	17.8		1.00	5.13	1	02/23/2025 08:53	WG2456234

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		0.876	2.64	25	02/23/2025 13:34	WG2456576
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*77.0-120*		*02/23/2025 13:34*	WG2456576

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0385	0.0528	1	02/23/2025 12:36	WG2456603
Acrylonitrile	U		0.00381	0.0132	1	02/23/2025 12:36	WG2456603
Benzene	U		0.000493	0.00106	1	02/23/2025 12:36	WG2456603
Bromobenzene	U		0.000950	0.0132	1	02/23/2025 12:36	WG2456603
Bromodichloromethane	U		0.000765	0.00264	1	02/23/2025 12:36	WG2456603
Bromoform	U		0.00124	0.0264	1	02/23/2025 12:36	WG2456603
Bromomethane	U	C3	0.00208	0.0132	1	02/23/2025 12:36	WG2456603
n-Butylbenzene	U		0.00554	0.0132	1	02/23/2025 12:36	WG2456603
sec-Butylbenzene	U		0.00304	0.0132	1	02/23/2025 12:36	WG2456603
tert-Butylbenzene	U		0.00206	0.00528	1	02/23/2025 12:36	WG2456603
Carbon tetrachloride	U		0.000948	0.00528	1	02/23/2025 12:36	WG2456603
Chlorobenzene	U		0.000222	0.00264	1	02/23/2025 12:36	WG2456603
Chlorodibromomethane	U		0.000646	0.00264	1	02/23/2025 12:36	WG2456603
Chloroethane	U		0.00179	0.00528	1	02/23/2025 12:36	WG2456603
Chloroform	U		0.00109	0.00264	1	02/23/2025 12:36	WG2456603
Chloromethane	U		0.00459	0.0132	1	02/23/2025 12:36	WG2456603
2-Chlorotoluene	U		0.000913	0.00264	1	02/23/2025 12:36	WG2456603

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorotoluene	U		0.000475	0.00528	1	02/23/2025 12:36	WG2456603
1,2-Dibromo-3-Chloropropane	U		0.00412	0.0264	1	02/23/2025 12:36	WG2456603
1,2-Dibromoethane	U		0.000684	0.00264	1	02/23/2025 12:36	WG2456603
Dibromomethane	U		0.000792	0.00528	1	02/23/2025 12:36	WG2456603
1,2-Dichlorobenzene	U		0.000449	0.00528	1	02/23/2025 12:36	WG2456603
1,3-Dichlorobenzene	U		0.000633	0.00528	1	02/23/2025 12:36	WG2456603
1,4-Dichlorobenzene	U		0.000739	0.00528	1	02/23/2025 12:36	WG2456603
Dichlorodifluoromethane	U	C3	0.00170	0.00528	1	02/23/2025 12:36	WG2456603
1,1-Dichloroethane	U		0.000518	0.00264	1	02/23/2025 12:36	WG2456603
1,2-Dichloroethane	U		0.000685	0.00264	1	02/23/2025 12:36	WG2456603
1,1-Dichloroethene	U		0.000640	0.00264	1	02/23/2025 12:36	WG2456603
cis-1,2-Dichloroethene	U		0.000775	0.00264	1	02/23/2025 12:36	WG2456603
trans-1,2-Dichloroethene	U		0.00110	0.00528	1	02/23/2025 12:36	WG2456603
1,2-Dichloropropane	U		0.00150	0.00528	1	02/23/2025 12:36	WG2456603
1,1-Dichloropropene	U		0.000854	0.00264	1	02/23/2025 12:36	WG2456603
1,3-Dichloropropane	U		0.000529	0.00528	1	02/23/2025 12:36	WG2456603
cis-1,3-Dichloropropene	U		0.000799	0.00264	1	02/23/2025 12:36	WG2456603
trans-1,3-Dichloropropene	U		0.00120	0.00528	1	02/23/2025 12:36	WG2456603
2,2-Dichloropropane	U		0.00146	0.00264	1	02/23/2025 12:36	WG2456603
Di-isopropyl ether	U		0.000433	0.00106	1	02/23/2025 12:36	WG2456603
Ethylbenzene	U		0.000778	0.00264	1	02/23/2025 12:36	WG2456603
Hexachloro-1,3-butadiene	U		0.00633	0.0264	1	02/23/2025 12:36	WG2456603
Isopropylbenzene	U		0.000449	0.00264	1	02/23/2025 12:36	WG2456603
p-Isopropyltoluene	U		0.00269	0.00528	1	02/23/2025 12:36	WG2456603
2-Butanone (MEK)	U		0.0670	0.106	1	02/23/2025 12:36	WG2456603
Methylene Chloride	U		0.00701	0.0264	1	02/23/2025 12:36	WG2456603
4-Methyl-2-pentanone (MIBK)	U		0.00241	0.0264	1	02/23/2025 12:36	WG2456603
Methyl tert-butyl ether	U		0.000369	0.00106	1	02/23/2025 12:36	WG2456603
Naphthalene	U		0.00515	0.0132	1	02/23/2025 12:36	WG2456603
n-Propylbenzene	U		0.00100	0.00528	1	02/23/2025 12:36	WG2456603
Styrene	U		0.000242	0.0132	1	02/23/2025 12:36	WG2456603
1,1,1,2-Tetrachloroethane	U		0.00100	0.00264	1	02/23/2025 12:36	WG2456603
1,1,2,2-Tetrachloroethane	U		0.000734	0.00264	1	02/23/2025 12:36	WG2456603
1,1,2-Trichlorotrifluoroethane	U		0.000796	0.00264	1	02/23/2025 12:36	WG2456603
Tetrachloroethene	U		0.000946	0.00264	1	02/23/2025 12:36	WG2456603
Toluene	U		0.00137	0.00528	1	02/23/2025 12:36	WG2456603
1,2,3-Trichlorobenzene	U	C3	0.00774	0.0132	1	02/23/2025 12:36	WG2456603
1,2,4-Trichlorobenzene	U	C3	0.00464	0.0132	1	02/23/2025 12:36	WG2456603
1,1,1-Trichloroethane	U		0.000974	0.00264	1	02/23/2025 12:36	WG2456603
1,1,2-Trichloroethane	U		0.000630	0.00264	1	02/23/2025 12:36	WG2456603
Trichloroethene	U		0.000616	0.00106	1	02/23/2025 12:36	WG2456603
Trichlorofluoromethane	U		0.000873	0.00264	1	02/23/2025 12:36	WG2456603
1,2,3-Trichloropropane	U		0.00171	0.0132	1	02/23/2025 12:36	WG2456603
1,2,4-Trimethylbenzene	U		0.00167	0.00528	1	02/23/2025 12:36	WG2456603
1,2,3-Trimethylbenzene	U		0.00167	0.00528	1	02/23/2025 12:36	WG2456603
Vinyl chloride	U	C3	0.00122	0.00264	1	02/23/2025 12:36	WG2456603
1,3,5-Trimethylbenzene	U		0.00211	0.00528	1	02/23/2025 12:36	WG2456603
Xylenes, Total	U		0.000929	0.00686	1	02/23/2025 12:36	WG2456603
(S) Toluene-d8	*97.7*			*75.0-131*		*02/23/2025 12:36*	WG2456603
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*02/23/2025 12:36*	WG2456603
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*02/23/2025 12:36*	WG2456603

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		2.60	4.11	1	02/24/2025 20:24	WG2456482
C22-C32 Hydrocarbons	U		2.60	4.11	1	02/24/2025 20:24	WG2456482
C32-C40 Hydrocarbons	U		2.60	4.11	1	02/24/2025 20:24	WG2456482
(S) o-Terphenyl	*87.6*			*18.0-148*		*02/24/2025 20:24*	WG2456482

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00553	0.0342	1	02/26/2025 21:09	WG2457415
Acenaphthylene	U		0.00482	0.0342	1	02/26/2025 21:09	WG2457415
Anthracene	U		0.00609	0.0342	1	02/26/2025 21:09	WG2457415
Benzidine	U	C3	0.0643	1.71	1	02/26/2025 21:09	WG2457415
Benzo(a)anthracene	U		0.00603	0.0342	1	02/26/2025 21:09	WG2457415
Benzo(b)fluoranthene	U		0.00638	0.0342	1	02/26/2025 21:09	WG2457415
Benzo(k)fluoranthene	U		0.00608	0.0342	1	02/26/2025 21:09	WG2457415
Benzo(g,h,i)perylene	U		0.00625	0.0342	1	02/26/2025 21:09	WG2457415
Benzo(a)pyrene	U		0.00636	0.0342	1	02/26/2025 21:09	WG2457415
Bis(2-chlorethoxy)methane	U		0.0103	0.342	1	02/26/2025 21:09	WG2457415
Bis(2-chloroethyl)ether	U		0.0113	0.342	1	02/26/2025 21:09	WG2457415
2,2-Oxybis(1-Chloropropane)	U		0.0148	0.342	1	02/26/2025 21:09	WG2457415
4-Bromophenyl-phenylether	U		0.0120	0.342	1	02/26/2025 21:09	WG2457415
2-Chloronaphthalene	U		0.00601	0.0342	1	02/26/2025 21:09	WG2457415
4-Chlorophenyl-phenylether	U		0.0119	0.342	1	02/26/2025 21:09	WG2457415
Chrysene	U		0.00680	0.0342	1	02/26/2025 21:09	WG2457415
Dibenz(a,h)anthracene	U		0.00948	0.0342	1	02/26/2025 21:09	WG2457415
3,3-Dichlorobenzidine	U		0.0126	0.342	1	02/26/2025 21:09	WG2457415
2,4-Dinitrotoluene	U		0.00981	0.342	1	02/26/2025 21:09	WG2457415
2,6-Dinitrotoluene	U		0.0112	0.342	1	02/26/2025 21:09	WG2457415
Fluoranthene	U		0.00617	0.0342	1	02/26/2025 21:09	WG2457415
Fluorene	U		0.00557	0.0342	1	02/26/2025 21:09	WG2457415
Hexachlorobenzene	U		0.0121	0.342	1	02/26/2025 21:09	WG2457415
Hexachloro-1,3-butadiene	U		0.0115	0.342	1	02/26/2025 21:09	WG2457415
Hexachlorocyclopentadiene	U		0.0180	0.342	1	02/26/2025 21:09	WG2457415
Hexachloroethane	U		0.0135	0.342	1	02/26/2025 21:09	WG2457415
Indeno(1,2,3-cd)pyrene	U		0.00966	0.0342	1	02/26/2025 21:09	WG2457415
Isophorone	U		0.0105	0.342	1	02/26/2025 21:09	WG2457415
Naphthalene	U		0.00858	0.0342	1	02/26/2025 21:09	WG2457415
Nitrobenzene	U		0.0119	0.342	1	02/26/2025 21:09	WG2457415
n-Nitrosodimethylamine	U		0.0507	0.342	1	02/26/2025 21:09	WG2457415
n-Nitrosodiphenylamine	U		0.0259	0.342	1	02/26/2025 21:09	WG2457415
n-Nitrosodi-n-propylamine	U		0.0114	0.342	1	02/26/2025 21:09	WG2457415
Phenanthrene	U		0.00679	0.0342	1	02/26/2025 21:09	WG2457415
Benzylbutyl phthalate	U		0.0107	0.342	1	02/26/2025 21:09	WG2457415
Bis(2-ethylhexyl)phthalate	U		0.0433	0.342	1	02/26/2025 21:09	WG2457415
Di-n-butyl phthalate	U		0.0117	0.342	1	02/26/2025 21:09	WG2457415
Diethyl phthalate	U		0.0113	0.342	1	02/26/2025 21:09	WG2457415
Dimethyl phthalate	U		0.0725	0.342	1	02/26/2025 21:09	WG2457415
Di-n-octyl phthalate	U		0.0231	0.342	1	02/26/2025 21:09	WG2457415
Pyrene	U		0.00665	0.0342	1	02/26/2025 21:09	WG2457415
1,2,4-Trichlorobenzene	U		0.0107	0.342	1	02/26/2025 21:09	WG2457415
4-Chloro-3-methylphenol	U		0.0111	0.342	1	02/26/2025 21:09	WG2457415
2-Chlorophenol	U		0.0113	0.342	1	02/26/2025 21:09	WG2457415
2,4-Dichlorophenol	U		0.00996	0.342	1	02/26/2025 21:09	WG2457415
2,4-Dimethylphenol	U		0.00893	0.342	1	02/26/2025 21:09	WG2457415
4,6-Dinitro-2-methylphenol	U		0.0775	0.342	1	02/26/2025 21:09	WG2457415
2,4-Dinitrophenol	U		0.0800	0.342	1	02/26/2025 21:09	WG2457415

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	U		0.0103	0.342	1	02/26/2025 21:09	WG2457415
3&4-Methyl Phenol	U		0.0107	0.342	1	02/26/2025 21:09	WG2457415
2-Nitrophenol	U		0.0122	0.342	1	02/26/2025 21:09	WG2457415
4-Nitrophenol	U		0.0107	0.342	1	02/26/2025 21:09	WG2457415
Pentachlorophenol	U		0.00920	0.342	1	02/26/2025 21:09	WG2457415
Pyridine	U		0.0226	0.342	1	02/26/2025 21:09	WG2457415
2,4,5-Trichlorophenol	U		0.0116	0.342	1	02/26/2025 21:09	WG2457415
2,4,6-Trichlorophenol	U		0.0110	0.342	1	02/26/2025 21:09	WG2457415
Phenol	U		0.0138	0.342	1	02/26/2025 21:09	WG2457415
(S) 2-Fluorophenol	*78.5*			*12.0-120*		*02/26/2025 21:09*	WG2457415
(S) Phenol-d5	*71.8*			*10.0-120*		*02/26/2025 21:09*	WG2457415
(S) Nitrobenzene-d5	*73.2*			*10.0-122*		*02/26/2025 21:09*	WG2457415
(S) 2-Fluorobiphenyl	*78.9*			*15.0-120*		*02/26/2025 21:09*	WG2457415
(S) 2,4,6-Tribromophenol	*78.5*			*10.0-127*		*02/26/2025 21:09*	WG2457415
(S) p-Terphenyl-d14	*84.5*			*10.0-120*		*02/26/2025 21:09*	WG2457415

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.1		1	02/21/2025 17:27	WG2455946

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0210	0.0408	1	02/23/2025 16:11	WG2455980

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.705	2.04	1	02/24/2025 11:42	WG2456531
Arsenic	1.30	J	0.853	2.04	1	02/24/2025 11:42	WG2456531
Barium	13.4		0.0867	0.510	1	02/24/2025 11:42	WG2456531
Beryllium	U		0.0486	0.204	1	02/24/2025 11:42	WG2456531
Cadmium	U		0.0666	0.510	1	02/24/2025 11:42	WG2456531
Chromium	4.16		0.218	1.02	1	02/24/2025 11:42	WG2456531
Cobalt	2.15		0.180	1.02	1	02/24/2025 11:42	WG2456531
Copper	2.50		0.364	2.04	1	02/24/2025 11:42	WG2456531
Lead	2.53		0.332	0.510	1	02/24/2025 11:42	WG2456531
Molybdenum	0.269	B J	0.0173	0.510	1	02/24/2025 11:42	WG2456531
Nickel	1.49	J	0.204	2.04	1	02/24/2025 11:42	WG2456531
Selenium	U		1.09	2.04	1	02/24/2025 11:42	WG2456531
Silver	U		0.129	1.02	1	02/24/2025 11:42	WG2456531
Thallium	U		0.528	2.04	1	02/24/2025 11:42	WG2456531
Vanadium	21.3		0.391	2.04	1	02/24/2025 11:42	WG2456531
Zinc	9.50		0.993	5.10	1	02/24/2025 11:42	WG2456531

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		0.863	2.60	25	02/23/2025 13:54	WG2456576
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*02/23/2025 13:54*	WG2456576

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0380	0.0520	1	02/23/2025 12:55	WG2456603
Acrylonitrile	U		0.00376	0.0130	1	02/23/2025 12:55	WG2456603
Benzene	U		0.000486	0.00104	1	02/23/2025 12:55	WG2456603
Bromobenzene	U		0.000936	0.0130	1	02/23/2025 12:55	WG2456603
Bromodichloromethane	U		0.000754	0.00260	1	02/23/2025 12:55	WG2456603
Bromoform	U		0.00122	0.0260	1	02/23/2025 12:55	WG2456603
Bromomethane	U	C3	0.00205	0.0130	1	02/23/2025 12:55	WG2456603
n-Butylbenzene	U		0.00546	0.0130	1	02/23/2025 12:55	WG2456603
sec-Butylbenzene	U		0.00300	0.0130	1	02/23/2025 12:55	WG2456603
tert-Butylbenzene	U		0.00203	0.00520	1	02/23/2025 12:55	WG2456603
Carbon tetrachloride	U		0.000934	0.00520	1	02/23/2025 12:55	WG2456603
Chlorobenzene	U		0.000218	0.00260	1	02/23/2025 12:55	WG2456603
Chlorodibromomethane	U		0.000637	0.00260	1	02/23/2025 12:55	WG2456603
Chloroethane	U		0.00177	0.00520	1	02/23/2025 12:55	WG2456603
Chloroform	U		0.00107	0.00260	1	02/23/2025 12:55	WG2456603
Chloromethane	U		0.00452	0.0130	1	02/23/2025 12:55	WG2456603
2-Chlorotoluene	U		0.000900	0.00260	1	02/23/2025 12:55	WG2456603

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorotoluene	U		0.000468	0.00520	1	02/23/2025 12:55	WG2456603
1,2-Dibromo-3-Chloropropane	U		0.00406	0.0260	1	02/23/2025 12:55	WG2456603
1,2-Dibromoethane	U		0.000674	0.00260	1	02/23/2025 12:55	WG2456603
Dibromomethane	U		0.000780	0.00520	1	02/23/2025 12:55	WG2456603
1,2-Dichlorobenzene	U		0.000442	0.00520	1	02/23/2025 12:55	WG2456603
1,3-Dichlorobenzene	U		0.000624	0.00520	1	02/23/2025 12:55	WG2456603
1,4-Dichlorobenzene	U		0.000728	0.00520	1	02/23/2025 12:55	WG2456603
Dichlorodifluoromethane	U	C3	0.00167	0.00520	1	02/23/2025 12:55	WG2456603
1,1-Dichloroethane	U		0.000511	0.00260	1	02/23/2025 12:55	WG2456603
1,2-Dichloroethane	U		0.000675	0.00260	1	02/23/2025 12:55	WG2456603
1,1-Dichloroethene	U		0.000630	0.00260	1	02/23/2025 12:55	WG2456603
cis-1,2-Dichloroethene	U		0.000763	0.00260	1	02/23/2025 12:55	WG2456603
trans-1,2-Dichloroethene	U		0.00108	0.00520	1	02/23/2025 12:55	WG2456603
1,2-Dichloropropane	U		0.00148	0.00520	1	02/23/2025 12:55	WG2456603
1,1-Dichloropropene	U		0.000841	0.00260	1	02/23/2025 12:55	WG2456603
1,3-Dichloropropane	U		0.000521	0.00520	1	02/23/2025 12:55	WG2456603
cis-1,3-Dichloropropene	U		0.000787	0.00260	1	02/23/2025 12:55	WG2456603
trans-1,3-Dichloropropene	U		0.00119	0.00520	1	02/23/2025 12:55	WG2456603
2,2-Dichloropropane	U		0.00144	0.00260	1	02/23/2025 12:55	WG2456603
Di-isopropyl ether	U		0.000426	0.00104	1	02/23/2025 12:55	WG2456603
Ethylbenzene	U		0.000767	0.00260	1	02/23/2025 12:55	WG2456603
Hexachloro-1,3-butadiene	U		0.00624	0.0260	1	02/23/2025 12:55	WG2456603
Isopropylbenzene	U		0.000442	0.00260	1	02/23/2025 12:55	WG2456603
p-Isopropyltoluene	U		0.00265	0.00520	1	02/23/2025 12:55	WG2456603
2-Butanone (MEK)	U		0.0661	0.104	1	02/23/2025 12:55	WG2456603
Methylene Chloride	U		0.00691	0.0260	1	02/23/2025 12:55	WG2456603
4-Methyl-2-pentanone (MIBK)	U		0.00237	0.0260	1	02/23/2025 12:55	WG2456603
Methyl tert-butyl ether	U		0.000364	0.00104	1	02/23/2025 12:55	WG2456603
Naphthalene	U		0.00508	0.0130	1	02/23/2025 12:55	WG2456603
n-Propylbenzene	U		0.000988	0.00520	1	02/23/2025 12:55	WG2456603
Styrene	U		0.000238	0.0130	1	02/23/2025 12:55	WG2456603
1,1,1,2-Tetrachloroethane	U		0.000986	0.00260	1	02/23/2025 12:55	WG2456603
1,1,2,2-Tetrachloroethane	U		0.000723	0.00260	1	02/23/2025 12:55	WG2456603
1,1,2-Trichlorotrifluoroethane	U		0.000784	0.00260	1	02/23/2025 12:55	WG2456603
Tetrachloroethene	U		0.000932	0.00260	1	02/23/2025 12:55	WG2456603
Toluene	U		0.00135	0.00520	1	02/23/2025 12:55	WG2456603
1,2,3-Trichlorobenzene	U	C3	0.00762	0.0130	1	02/23/2025 12:55	WG2456603
1,2,4-Trichlorobenzene	U	C3	0.00458	0.0130	1	02/23/2025 12:55	WG2456603
1,1,1-Trichloroethane	U		0.000960	0.00260	1	02/23/2025 12:55	WG2456603
1,1,2-Trichloroethane	U		0.000621	0.00260	1	02/23/2025 12:55	WG2456603
Trichloroethene	U		0.000607	0.00104	1	02/23/2025 12:55	WG2456603
Trichlorofluoromethane	U		0.000860	0.00260	1	02/23/2025 12:55	WG2456603
1,2,3-Trichloropropane	U		0.00169	0.0130	1	02/23/2025 12:55	WG2456603
1,2,4-Trimethylbenzene	U		0.00164	0.00520	1	02/23/2025 12:55	WG2456603
1,2,3-Trimethylbenzene	U		0.00164	0.00520	1	02/23/2025 12:55	WG2456603
Vinyl chloride	U	C3	0.00121	0.00260	1	02/23/2025 12:55	WG2456603
1,3,5-Trimethylbenzene	U		0.00208	0.00520	1	02/23/2025 12:55	WG2456603
Xylenes, Total	U		0.000915	0.00676	1	02/23/2025 12:55	WG2456603
(S) Toluene-d8	*95.4*			*75.0-131*		*02/23/2025 12:55*	WG2456603
(S) 4-Bromofluorobenzene	*98.0*			*67.0-138*		*02/23/2025 12:55*	WG2456603
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*02/23/2025 12:55*	WG2456603

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.78	J	2.58	4.08	1	02/24/2025 20:38	WG2456482
C22-C32 Hydrocarbons	22.9		2.58	4.08	1	02/24/2025 20:38	WG2456482
C32-C40 Hydrocarbons	6.33		2.58	4.08	1	02/24/2025 20:38	WG2456482
(S) o-Terphenyl	*92.7*			*18.0-148*		*02/24/2025 20:38*	WG2456482

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00550	0.0340	1	02/26/2025 21:33	WG2457415
Acenaphthylene	U		0.00478	0.0340	1	02/26/2025 21:33	WG2457415
Anthracene	U		0.00605	0.0340	1	02/26/2025 21:33	WG2457415
Benzidine	U	C3	0.0638	1.70	1	02/26/2025 21:33	WG2457415
Benzo(a)anthracene	U		0.00599	0.0340	1	02/26/2025 21:33	WG2457415
Benzo(b)fluoranthene	U		0.00633	0.0340	1	02/26/2025 21:33	WG2457415
Benzo(k)fluoranthene	U		0.00604	0.0340	1	02/26/2025 21:33	WG2457415
Benzo(g,h,i)perylene	U		0.00621	0.0340	1	02/26/2025 21:33	WG2457415
Benzo(a)pyrene	U		0.00631	0.0340	1	02/26/2025 21:33	WG2457415
Bis(2-chlorethoxy)methane	U		0.0102	0.340	1	02/26/2025 21:33	WG2457415
Bis(2-chloroethyl)ether	U		0.0112	0.340	1	02/26/2025 21:33	WG2457415
2,2-Oxybis(1-Chloropropane)	U		0.0147	0.340	1	02/26/2025 21:33	WG2457415
4-Bromophenyl-phenylether	U		0.0119	0.340	1	02/26/2025 21:33	WG2457415
2-Chloronaphthalene	U		0.00596	0.0340	1	02/26/2025 21:33	WG2457415
4-Chlorophenyl-phenylether	U		0.0118	0.340	1	02/26/2025 21:33	WG2457415
Chrysene	U		0.00675	0.0340	1	02/26/2025 21:33	WG2457415
Dibenz(a,h)anthracene	U		0.00941	0.0340	1	02/26/2025 21:33	WG2457415
3,3-Dichlorobenzidine	U		0.0125	0.340	1	02/26/2025 21:33	WG2457415
2,4-Dinitrotoluene	U		0.00974	0.340	1	02/26/2025 21:33	WG2457415
2,6-Dinitrotoluene	U		0.0111	0.340	1	02/26/2025 21:33	WG2457415
Fluoranthene	U		0.00613	0.0340	1	02/26/2025 21:33	WG2457415
Fluorene	U		0.00553	0.0340	1	02/26/2025 21:33	WG2457415
Hexachlorobenzene	U		0.0120	0.340	1	02/26/2025 21:33	WG2457415
Hexachloro-1,3-butadiene	U		0.0114	0.340	1	02/26/2025 21:33	WG2457415
Hexachlorocyclopentadiene	U		0.0178	0.340	1	02/26/2025 21:33	WG2457415
Hexachloroethane	U		0.0134	0.340	1	02/26/2025 21:33	WG2457415
Indeno(1,2,3-cd)pyrene	U		0.00959	0.0340	1	02/26/2025 21:33	WG2457415
Isophorone	U		0.0104	0.340	1	02/26/2025 21:33	WG2457415
Naphthalene	U		0.00852	0.0340	1	02/26/2025 21:33	WG2457415
Nitrobenzene	U		0.0118	0.340	1	02/26/2025 21:33	WG2457415
n-Nitrosodimethylamine	U		0.0504	0.340	1	02/26/2025 21:33	WG2457415
n-Nitrosodiphenylamine	U		0.0257	0.340	1	02/26/2025 21:33	WG2457415
n-Nitrosodi-n-propylamine	U		0.0113	0.340	1	02/26/2025 21:33	WG2457415
Phenanthrene	U		0.00674	0.0340	1	02/26/2025 21:33	WG2457415
Benzylbutyl phthalate	U		0.0106	0.340	1	02/26/2025 21:33	WG2457415
Bis(2-ethylhexyl)phthalate	U		0.0430	0.340	1	02/26/2025 21:33	WG2457415
Di-n-butyl phthalate	U		0.0116	0.340	1	02/26/2025 21:33	WG2457415
Diethyl phthalate	U		0.0112	0.340	1	02/26/2025 21:33	WG2457415
Dimethyl phthalate	U		0.0720	0.340	1	02/26/2025 21:33	WG2457415
Di-n-octyl phthalate	U		0.0229	0.340	1	02/26/2025 21:33	WG2457415
Pyrene	U		0.00661	0.0340	1	02/26/2025 21:33	WG2457415
1,2,4-Trichlorobenzene	U		0.0106	0.340	1	02/26/2025 21:33	WG2457415
4-Chloro-3-methylphenol	U		0.0110	0.340	1	02/26/2025 21:33	WG2457415
2-Chlorophenol	U		0.0112	0.340	1	02/26/2025 21:33	WG2457415
2,4-Dichlorophenol	U		0.00989	0.340	1	02/26/2025 21:33	WG2457415
2,4-Dimethylphenol	U		0.00887	0.340	1	02/26/2025 21:33	WG2457415
4,6-Dinitro-2-methylphenol	U		0.0770	0.340	1	02/26/2025 21:33	WG2457415
2,4-Dinitrophenol	U		0.0794	0.340	1	02/26/2025 21:33	WG2457415

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	U		0.0102	0.340	1	02/26/2025 21:33	WG2457415
3&4-Methyl Phenol	U		0.0106	0.340	1	02/26/2025 21:33	WG2457415
2-Nitrophenol	U		0.0121	0.340	1	02/26/2025 21:33	WG2457415
4-Nitrophenol	U		0.0106	0.340	1	02/26/2025 21:33	WG2457415
Pentachlorophenol	U		0.00914	0.340	1	02/26/2025 21:33	WG2457415
Pyridine	U		0.0224	0.340	1	02/26/2025 21:33	WG2457415
2,4,5-Trichlorophenol	U		0.0115	0.340	1	02/26/2025 21:33	WG2457415
2,4,6-Trichlorophenol	U		0.0109	0.340	1	02/26/2025 21:33	WG2457415
Phenol	U		0.0137	0.340	1	02/26/2025 21:33	WG2457415
(S) 2-Fluorophenol	*82.4*			*12.0-120*		*02/26/2025 21:33*	WG2457415
(S) Phenol-d5	*73.9*			*10.0-120*		*02/26/2025 21:33*	WG2457415
(S) Nitrobenzene-d5	*74.5*			*10.0-122*		*02/26/2025 21:33*	WG2457415
(S) 2-Fluorobiphenyl	*81.8*			*15.0-120*		*02/26/2025 21:33*	WG2457415
(S) 2,4,6-Tribromophenol	*78.9*			*10.0-127*		*02/26/2025 21:33*	WG2457415
(S) p-Terphenyl-d14	*85.1*			*10.0-120*		*02/26/2025 21:33*	WG2457415

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	02/21/2025 17:27	WG2455946

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0218	0.0424	1	02/25/2025 20:32	WG2456307

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.732	2.12	1	02/24/2025 11:44	WG2456531
Arsenic	1.81	J	0.887	2.12	1	02/24/2025 11:44	WG2456531
Barium	64.1		0.0901	0.530	1	02/24/2025 11:44	WG2456531
Beryllium	0.368		0.0506	0.212	1	02/24/2025 11:44	WG2456531
Cadmium	U		0.0692	0.530	1	02/24/2025 11:44	WG2456531
Chromium	11.7		0.227	1.06	1	02/24/2025 11:44	WG2456531
Cobalt	7.19		0.188	1.06	1	02/24/2025 11:44	WG2456531
Copper	9.13		0.378	2.12	1	02/24/2025 11:44	WG2456531
Lead	6.12		0.346	0.530	1	02/24/2025 11:44	WG2456531
Molybdenum	0.516	B J	0.0180	0.530	1	02/24/2025 11:44	WG2456531
Nickel	6.70		0.212	2.12	1	02/24/2025 11:44	WG2456531
Selenium	U		1.13	2.12	1	02/24/2025 11:44	WG2456531
Silver	U		0.135	1.06	1	02/24/2025 11:44	WG2456531
Thallium	U		0.549	2.12	1	02/24/2025 11:44	WG2456531
Vanadium	39.6		0.406	2.12	1	02/24/2025 11:44	WG2456531
Zinc	41.0		1.03	5.30	1	02/24/2025 11:44	WG2456531

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		0.937	2.82	25	02/23/2025 11:43	WG2456577
(S) a,a,a-Trifluorotoluene(FID)	*95.8*			*77.0-120*		*02/23/2025 11:43*	WG2456577

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0412	0.0564	1	02/23/2025 13:14	WG2456603
Acrylonitrile	U		0.00408	0.0141	1	02/23/2025 13:14	WG2456603
Benzene	U		0.000527	0.00113	1	02/23/2025 13:14	WG2456603
Bromobenzene	U		0.00102	0.0141	1	02/23/2025 13:14	WG2456603
Bromodichloromethane	U		0.000818	0.00282	1	02/23/2025 13:14	WG2456603
Bromoform	U		0.00132	0.0282	1	02/23/2025 13:14	WG2456603
Bromomethane	U	C3	0.00222	0.0141	1	02/23/2025 13:14	WG2456603
n-Butylbenzene	U		0.00593	0.0141	1	02/23/2025 13:14	WG2456603
sec-Butylbenzene	U		0.00325	0.0141	1	02/23/2025 13:14	WG2456603
tert-Butylbenzene	U		0.00220	0.00564	1	02/23/2025 13:14	WG2456603
Carbon tetrachloride	U		0.00101	0.00564	1	02/23/2025 13:14	WG2456603
Chlorobenzene	U		0.000237	0.00282	1	02/23/2025 13:14	WG2456603
Chlorodibromomethane	U		0.000691	0.00282	1	02/23/2025 13:14	WG2456603
Chloroethane	U		0.00192	0.00564	1	02/23/2025 13:14	WG2456603
Chloroform	U		0.00116	0.00282	1	02/23/2025 13:14	WG2456603
Chloromethane	U		0.00491	0.0141	1	02/23/2025 13:14	WG2456603
2-Chlorotoluene	U		0.000976	0.00282	1	02/23/2025 13:14	WG2456603

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorotoluene	U		0.000508	0.00564	1	02/23/2025 13:14	WG2456603
1,2-Dibromo-3-Chloropropane	U		0.00440	0.0282	1	02/23/2025 13:14	WG2456603
1,2-Dibromoethane	U		0.000731	0.00282	1	02/23/2025 13:14	WG2456603
Dibromomethane	U		0.000847	0.00564	1	02/23/2025 13:14	WG2456603
1,2-Dichlorobenzene	U		0.000480	0.00564	1	02/23/2025 13:14	WG2456603
1,3-Dichlorobenzene	U		0.000677	0.00564	1	02/23/2025 13:14	WG2456603
1,4-Dichlorobenzene	U		0.000790	0.00564	1	02/23/2025 13:14	WG2456603
Dichlorodifluoromethane	U	C3	0.00182	0.00564	1	02/23/2025 13:14	WG2456603
1,1-Dichloroethane	U		0.000554	0.00282	1	02/23/2025 13:14	WG2456603
1,2-Dichloroethane	U		0.000733	0.00282	1	02/23/2025 13:14	WG2456603
1,1-Dichloroethene	U		0.000684	0.00282	1	02/23/2025 13:14	WG2456603
cis-1,2-Dichloroethene	U		0.000829	0.00282	1	02/23/2025 13:14	WG2456603
trans-1,2-Dichloroethene	U		0.00117	0.00564	1	02/23/2025 13:14	WG2456603
1,2-Dichloropropane	U		0.00160	0.00564	1	02/23/2025 13:14	WG2456603
1,1-Dichloropropene	U		0.000913	0.00282	1	02/23/2025 13:14	WG2456603
1,3-Dichloropropane	U		0.000566	0.00564	1	02/23/2025 13:14	WG2456603
cis-1,3-Dichloropropene	U		0.000855	0.00282	1	02/23/2025 13:14	WG2456603
trans-1,3-Dichloropropene	U		0.00129	0.00564	1	02/23/2025 13:14	WG2456603
2,2-Dichloropropane	U		0.00156	0.00282	1	02/23/2025 13:14	WG2456603
Di-isopropyl ether	U		0.000463	0.00113	1	02/23/2025 13:14	WG2456603
Ethylbenzene	U		0.000832	0.00282	1	02/23/2025 13:14	WG2456603
Hexachloro-1,3-butadiene	U		0.00677	0.0282	1	02/23/2025 13:14	WG2456603
Isopropylbenzene	U		0.000480	0.00282	1	02/23/2025 13:14	WG2456603
p-Isopropyltoluene	U		0.00288	0.00564	1	02/23/2025 13:14	WG2456603
2-Butanone (MEK)	U		0.0717	0.113	1	02/23/2025 13:14	WG2456603
Methylene Chloride	U		0.00750	0.0282	1	02/23/2025 13:14	WG2456603
4-Methyl-2-pentanone (MIBK)	U		0.00257	0.0282	1	02/23/2025 13:14	WG2456603
Methyl tert-butyl ether	U		0.000395	0.00113	1	02/23/2025 13:14	WG2456603
Naphthalene	U		0.00551	0.0141	1	02/23/2025 13:14	WG2456603
n-Propylbenzene	U		0.00107	0.00564	1	02/23/2025 13:14	WG2456603
Styrene	0.000270	J	0.000259	0.0141	1	02/23/2025 13:14	WG2456603
1,1,1,2-Tetrachloroethane	U		0.00107	0.00282	1	02/23/2025 13:14	WG2456603
1,1,2,2-Tetrachloroethane	U		0.000785	0.00282	1	02/23/2025 13:14	WG2456603
1,1,2-Trichlorotrifluoroethane	U		0.000851	0.00282	1	02/23/2025 13:14	WG2456603
Tetrachloroethene	U		0.00101	0.00282	1	02/23/2025 13:14	WG2456603
Toluene	U		0.00147	0.00564	1	02/23/2025 13:14	WG2456603
1,2,3-Trichlorobenzene	U	C3	0.00827	0.0141	1	02/23/2025 13:14	WG2456603
1,2,4-Trichlorobenzene	U	C3	0.00497	0.0141	1	02/23/2025 13:14	WG2456603
1,1,1-Trichloroethane	U		0.00104	0.00282	1	02/23/2025 13:14	WG2456603
1,1,2-Trichloroethane	U		0.000674	0.00282	1	02/23/2025 13:14	WG2456603
Trichloroethene	U		0.000659	0.00113	1	02/23/2025 13:14	WG2456603
Trichlorofluoromethane	U		0.000934	0.00282	1	02/23/2025 13:14	WG2456603
1,2,3-Trichloropropane	U		0.00183	0.0141	1	02/23/2025 13:14	WG2456603
1,2,4-Trimethylbenzene	U		0.00178	0.00564	1	02/23/2025 13:14	WG2456603
1,2,3-Trimethylbenzene	U		0.00178	0.00564	1	02/23/2025 13:14	WG2456603
Vinyl chloride	U	C3	0.00131	0.00282	1	02/23/2025 13:14	WG2456603
1,3,5-Trimethylbenzene	U		0.00226	0.00564	1	02/23/2025 13:14	WG2456603
Xylenes, Total	U		0.000993	0.00734	1	02/23/2025 13:14	WG2456603
(S) Toluene-d8	*95.3*			*75.0-131*		*02/23/2025 13:14*	WG2456603
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*02/23/2025 13:14*	WG2456603
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*02/23/2025 13:14*	WG2456603

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		2.68	4.24	1	02/24/2025 20:52	WG2456482
C22-C32 Hydrocarbons	U		2.68	4.24	1	02/24/2025 20:52	WG2456482
C32-C40 Hydrocarbons	U		2.68	4.24	1	02/24/2025 20:52	WG2456482
(S) o-Terphenyl	*87.7*			*18.0-148*		*02/24/2025 20:52*	WG2456482

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00571	0.0353	1	02/26/2025 21:57	WG2457415
Acenaphthylene	U		0.00497	0.0353	1	02/26/2025 21:57	WG2457415
Anthracene	U		0.00629	0.0353	1	02/26/2025 21:57	WG2457415
Benzidine	U	C3	0.0664	1.77	1	02/26/2025 21:57	WG2457415
Benzo(a)anthracene	U		0.00622	0.0353	1	02/26/2025 21:57	WG2457415
Benzo(b)fluoranthene	U		0.00658	0.0353	1	02/26/2025 21:57	WG2457415
Benzo(k)fluoranthene	U		0.00627	0.0353	1	02/26/2025 21:57	WG2457415
Benzo(g,h,i)perylene	U		0.00646	0.0353	1	02/26/2025 21:57	WG2457415
Benzo(a)pyrene	U		0.00656	0.0353	1	02/26/2025 21:57	WG2457415
Bis(2-chlorethoxy)methane	U		0.0106	0.353	1	02/26/2025 21:57	WG2457415
Bis(2-chloroethyl)ether	U		0.0117	0.353	1	02/26/2025 21:57	WG2457415
2,2-Oxybis(1-Chloropropane)	U		0.0153	0.353	1	02/26/2025 21:57	WG2457415
4-Bromophenyl-phenylether	U		0.0124	0.353	1	02/26/2025 21:57	WG2457415
2-Chloronaphthalene	U		0.00620	0.0353	1	02/26/2025 21:57	WG2457415
4-Chlorophenyl-phenylether	U		0.0123	0.353	1	02/26/2025 21:57	WG2457415
Chrysene	U		0.00702	0.0353	1	02/26/2025 21:57	WG2457415
Dibenz(a,h)anthracene	U		0.00978	0.0353	1	02/26/2025 21:57	WG2457415
3,3-Dichlorobenzidine	U		0.0130	0.353	1	02/26/2025 21:57	WG2457415
2,4-Dinitrotoluene	U		0.0101	0.353	1	02/26/2025 21:57	WG2457415
2,6-Dinitrotoluene	U		0.0116	0.353	1	02/26/2025 21:57	WG2457415
Fluoranthene	U		0.00637	0.0353	1	02/26/2025 21:57	WG2457415
Fluorene	U		0.00574	0.0353	1	02/26/2025 21:57	WG2457415
Hexachlorobenzene	U		0.0125	0.353	1	02/26/2025 21:57	WG2457415
Hexachloro-1,3-butadiene	U		0.0119	0.353	1	02/26/2025 21:57	WG2457415
Hexachlorocyclopentadiene	U		0.0185	0.353	1	02/26/2025 21:57	WG2457415
Hexachloroethane	U		0.0139	0.353	1	02/26/2025 21:57	WG2457415
Indeno(1,2,3-cd)pyrene	U		0.00997	0.0353	1	02/26/2025 21:57	WG2457415
Isophorone	U		0.0108	0.353	1	02/26/2025 21:57	WG2457415
Naphthalene	U		0.00886	0.0353	1	02/26/2025 21:57	WG2457415
Nitrobenzene	U		0.0123	0.353	1	02/26/2025 21:57	WG2457415
n-Nitrosodimethylamine	U		0.0524	0.353	1	02/26/2025 21:57	WG2457415
n-Nitrosodiphenylamine	U		0.0267	0.353	1	02/26/2025 21:57	WG2457415
n-Nitrosodi-n-propylamine	U		0.0118	0.353	1	02/26/2025 21:57	WG2457415
Phenanthrene	U		0.00701	0.0353	1	02/26/2025 21:57	WG2457415
Benzylbutyl phthalate	U		0.0110	0.353	1	02/26/2025 21:57	WG2457415
Bis(2-ethylhexyl)phthalate	U		0.0447	0.353	1	02/26/2025 21:57	WG2457415
Di-n-butyl phthalate	U		0.0121	0.353	1	02/26/2025 21:57	WG2457415
Diethyl phthalate	U		0.0117	0.353	1	02/26/2025 21:57	WG2457415
Dimethyl phthalate	U		0.0748	0.353	1	02/26/2025 21:57	WG2457415
Di-n-octyl phthalate	U		0.0238	0.353	1	02/26/2025 21:57	WG2457415
Pyrene	U		0.00687	0.0353	1	02/26/2025 21:57	WG2457415
1,2,4-Trichlorobenzene	U		0.0110	0.353	1	02/26/2025 21:57	WG2457415
4-Chloro-3-methylphenol	U		0.0114	0.353	1	02/26/2025 21:57	WG2457415
2-Chlorophenol	U		0.0117	0.353	1	02/26/2025 21:57	WG2457415
2,4-Dichlorophenol	U		0.0103	0.353	1	02/26/2025 21:57	WG2457415
2,4-Dimethylphenol	U		0.00922	0.353	1	02/26/2025 21:57	WG2457415
4,6-Dinitro-2-methylphenol	U		0.0800	0.353	1	02/26/2025 21:57	WG2457415
2,4-Dinitrophenol	U		0.0826	0.353	1	02/26/2025 21:57	WG2457415

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	U		0.0106	0.353	1	02/26/2025 21:57	WG2457415
3&4-Methyl Phenol	U		0.0110	0.353	1	02/26/2025 21:57	WG2457415
2-Nitrophenol	U		0.0126	0.353	1	02/26/2025 21:57	WG2457415
4-Nitrophenol	U		0.0110	0.353	1	02/26/2025 21:57	WG2457415
Pentachlorophenol	U		0.00950	0.353	1	02/26/2025 21:57	WG2457415
Pyridine	U		0.0233	0.353	1	02/26/2025 21:57	WG2457415
2,4,5-Trichlorophenol	U		0.0120	0.353	1	02/26/2025 21:57	WG2457415
2,4,6-Trichlorophenol	U		0.0113	0.353	1	02/26/2025 21:57	WG2457415
Phenol	U		0.0142	0.353	1	02/26/2025 21:57	WG2457415
(S) 2-Fluorophenol	*79.7*			*12.0-120*		*02/26/2025 21:57*	WG2457415
(S) Phenol-d5	*72.3*			*10.0-120*		*02/26/2025 21:57*	WG2457415
(S) Nitrobenzene-d5	*73.1*			*10.0-122*		*02/26/2025 21:57*	WG2457415
(S) 2-Fluorobiphenyl	*79.8*			*15.0-120*		*02/26/2025 21:57*	WG2457415
(S) 2,4,6-Tribromophenol	*77.4*			*10.0-127*		*02/26/2025 21:57*	WG2457415
(S) p-Terphenyl-d14	*81.3*			*10.0-120*		*02/26/2025 21:57*	WG2457415

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	02/21/2025 17:27	WG2455946

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0219	0.0424	1	02/25/2025 20:35	WG2456307

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.733	2.12	1	02/24/2025 11:49	WG2456531
Arsenic	1.77	J	0.888	2.12	1	02/24/2025 11:49	WG2456531
Barium	43.6		0.0902	0.530	1	02/24/2025 11:49	WG2456531
Beryllium	0.149	J	0.0506	0.212	1	02/24/2025 11:49	WG2456531
Cadmium	U		0.0693	0.530	1	02/24/2025 11:49	WG2456531
Chromium	8.86		0.227	1.06	1	02/24/2025 11:49	WG2456531
Cobalt	5.59		0.188	1.06	1	02/24/2025 11:49	WG2456531
Copper	7.16		0.379	2.12	1	02/24/2025 11:49	WG2456531
Lead	4.50		0.346	0.530	1	02/24/2025 11:49	WG2456531
Molybdenum	0.379	B J	0.0180	0.530	1	02/24/2025 11:49	WG2456531
Nickel	5.11		0.212	2.12	1	02/24/2025 11:49	WG2456531
Selenium	U		1.14	2.12	1	02/24/2025 11:49	WG2456531
Silver	U		0.135	1.06	1	02/24/2025 11:49	WG2456531
Thallium	U		0.549	2.12	1	02/24/2025 11:49	WG2456531
Vanadium	30.0		0.406	2.12	1	02/24/2025 11:49	WG2456531
Zinc	28.7		1.03	5.30	1	02/24/2025 11:49	WG2456531

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		0.933	2.81	25	02/23/2025 12:06	WG2456577
(S) a,a,a-Trifluorotoluene(FID)	*96.4*			*77.0-120*		*02/23/2025 12:06*	WG2456577

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0410	0.0562	1	02/23/2025 13:33	WG2456603
Acrylonitrile	U		0.00406	0.0140	1	02/23/2025 13:33	WG2456603
Benzene	U		0.000525	0.00112	1	02/23/2025 13:33	WG2456603
Bromobenzene	U		0.00101	0.0140	1	02/23/2025 13:33	WG2456603
Bromodichloromethane	U		0.000815	0.00281	1	02/23/2025 13:33	WG2456603
Bromoform	U		0.00131	0.0281	1	02/23/2025 13:33	WG2456603
Bromomethane	U	C3	0.00221	0.0140	1	02/23/2025 13:33	WG2456603
n-Butylbenzene	U		0.00590	0.0140	1	02/23/2025 13:33	WG2456603
sec-Butylbenzene	U		0.00324	0.0140	1	02/23/2025 13:33	WG2456603
tert-Butylbenzene	U		0.00219	0.00562	1	02/23/2025 13:33	WG2456603
Carbon tetrachloride	U		0.00101	0.00562	1	02/23/2025 13:33	WG2456603
Chlorobenzene	U		0.000236	0.00281	1	02/23/2025 13:33	WG2456603
Chlorodibromomethane	U		0.000688	0.00281	1	02/23/2025 13:33	WG2456603
Chloroethane	U		0.00191	0.00562	1	02/23/2025 13:33	WG2456603
Chloroform	U		0.00116	0.00281	1	02/23/2025 13:33	WG2456603
Chloromethane	U		0.00489	0.0140	1	02/23/2025 13:33	WG2456603
2-Chlorotoluene	U		0.000972	0.00281	1	02/23/2025 13:33	WG2456603

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorotoluene	U		0.000506	0.00562	1	02/23/2025 13:33	WG2456603
1,2-Dibromo-3-Chloropropane	U		0.00438	0.0281	1	02/23/2025 13:33	WG2456603
1,2-Dibromoethane	U		0.000728	0.00281	1	02/23/2025 13:33	WG2456603
Dibromomethane	U		0.000843	0.00562	1	02/23/2025 13:33	WG2456603
1,2-Dichlorobenzene	U		0.000478	0.00562	1	02/23/2025 13:33	WG2456603
1,3-Dichlorobenzene	U		0.000674	0.00562	1	02/23/2025 13:33	WG2456603
1,4-Dichlorobenzene	U		0.000787	0.00562	1	02/23/2025 13:33	WG2456603
Dichlorodifluoromethane	U	C3	0.00181	0.00562	1	02/23/2025 13:33	WG2456603
1,1-Dichloroethane	U		0.000552	0.00281	1	02/23/2025 13:33	WG2456603
1,2-Dichloroethane	U		0.000729	0.00281	1	02/23/2025 13:33	WG2456603
1,1-Dichloroethene	U		0.000681	0.00281	1	02/23/2025 13:33	WG2456603
cis-1,2-Dichloroethene	U		0.000825	0.00281	1	02/23/2025 13:33	WG2456603
trans-1,2-Dichloroethene	U		0.00117	0.00562	1	02/23/2025 13:33	WG2456603
1,2-Dichloropropane	U		0.00160	0.00562	1	02/23/2025 13:33	WG2456603
1,1-Dichloropropene	U		0.000909	0.00281	1	02/23/2025 13:33	WG2456603
1,3-Dichloropropane	U		0.000563	0.00562	1	02/23/2025 13:33	WG2456603
cis-1,3-Dichloropropene	U		0.000851	0.00281	1	02/23/2025 13:33	WG2456603
trans-1,3-Dichloropropene	U		0.00128	0.00562	1	02/23/2025 13:33	WG2456603
2,2-Dichloropropane	U		0.00155	0.00281	1	02/23/2025 13:33	WG2456603
Di-isopropyl ether	U		0.000461	0.00112	1	02/23/2025 13:33	WG2456603
Ethylbenzene	U		0.000828	0.00281	1	02/23/2025 13:33	WG2456603
Hexachloro-1,3-butadiene	U		0.00674	0.0281	1	02/23/2025 13:33	WG2456603
Isopropylbenzene	U		0.000478	0.00281	1	02/23/2025 13:33	WG2456603
p-Isopropyltoluene	U		0.00287	0.00562	1	02/23/2025 13:33	WG2456603
2-Butanone (MEK)	U		0.0714	0.112	1	02/23/2025 13:33	WG2456603
Methylene Chloride	U		0.00746	0.0281	1	02/23/2025 13:33	WG2456603
4-Methyl-2-pentanone (MIBK)	U		0.00256	0.0281	1	02/23/2025 13:33	WG2456603
Methyl tert-butyl ether	U		0.000393	0.00112	1	02/23/2025 13:33	WG2456603
Naphthalene	U		0.00548	0.0140	1	02/23/2025 13:33	WG2456603
n-Propylbenzene	U		0.00107	0.00562	1	02/23/2025 13:33	WG2456603
Styrene	U		0.000257	0.0140	1	02/23/2025 13:33	WG2456603
1,1,1,2-Tetrachloroethane	U		0.00107	0.00281	1	02/23/2025 13:33	WG2456603
1,1,2,2-Tetrachloroethane	U		0.000781	0.00281	1	02/23/2025 13:33	WG2456603
1,1,2-Trichlorotrifluoroethane	U		0.000847	0.00281	1	02/23/2025 13:33	WG2456603
Tetrachloroethene	U		0.00101	0.00281	1	02/23/2025 13:33	WG2456603
Toluene	U		0.00146	0.00562	1	02/23/2025 13:33	WG2456603
1,2,3-Trichlorobenzene	U	C3	0.00824	0.0140	1	02/23/2025 13:33	WG2456603
1,2,4-Trichlorobenzene	U	C3	0.00494	0.0140	1	02/23/2025 13:33	WG2456603
1,1,1-Trichloroethane	U		0.00104	0.00281	1	02/23/2025 13:33	WG2456603
1,1,2-Trichloroethane	U		0.000671	0.00281	1	02/23/2025 13:33	WG2456603
Trichloroethene	U		0.000656	0.00112	1	02/23/2025 13:33	WG2456603
Trichlorofluoromethane	U		0.000929	0.00281	1	02/23/2025 13:33	WG2456603
1,2,3-Trichloropropane	U		0.00182	0.0140	1	02/23/2025 13:33	WG2456603
1,2,4-Trimethylbenzene	U		0.00178	0.00562	1	02/23/2025 13:33	WG2456603
1,2,3-Trimethylbenzene	U		0.00178	0.00562	1	02/23/2025 13:33	WG2456603
Vinyl chloride	U	C3	0.00130	0.00281	1	02/23/2025 13:33	WG2456603
1,3,5-Trimethylbenzene	U		0.00225	0.00562	1	02/23/2025 13:33	WG2456603
Xylenes, Total	U		0.000989	0.00730	1	02/23/2025 13:33	WG2456603
(S) Toluene-d8	*98.9*			*75.0-131*		*02/23/2025 13:33*	WG2456603
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*02/23/2025 13:33*	WG2456603
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*02/23/2025 13:33*	WG2456603

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		2.68	4.24	1	02/28/2025 01:51	WG2458775
C22-C32 Hydrocarbons	U		2.68	4.24	1	02/28/2025 01:51	WG2458775
C32-C40 Hydrocarbons	U		2.68	4.24	1	02/28/2025 01:51	WG2458775
(S) o-Terphenyl	*68.1*			*18.0-148*		*02/28/2025 01:51*	WG2458775

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00572	0.0353	1	02/26/2025 22:21	WG2457415
Acenaphthylene	U		0.00498	0.0353	1	02/26/2025 22:21	WG2457415
Anthracene	U		0.00629	0.0353	1	02/26/2025 22:21	WG2457415
Benzidine	U	C3	0.0664	1.77	1	02/26/2025 22:21	WG2457415
Benzo(a)anthracene	U		0.00623	0.0353	1	02/26/2025 22:21	WG2457415
Benzo(b)fluoranthene	U		0.00659	0.0353	1	02/26/2025 22:21	WG2457415
Benzo(k)fluoranthene	U		0.00628	0.0353	1	02/26/2025 22:21	WG2457415
Benzo(g,h,i)perylene	U		0.00646	0.0353	1	02/26/2025 22:21	WG2457415
Benzo(a)pyrene	U		0.00657	0.0353	1	02/26/2025 22:21	WG2457415
Bis(2-chlorethoxy)methane	U		0.0106	0.353	1	02/26/2025 22:21	WG2457415
Bis(2-chloroethyl)ether	U		0.0117	0.353	1	02/26/2025 22:21	WG2457415
2,2-Oxybis(1-Chloropropane)	U		0.0153	0.353	1	02/26/2025 22:21	WG2457415
4-Bromophenyl-phenylether	U		0.0124	0.353	1	02/26/2025 22:21	WG2457415
2-Chloronaphthalene	U		0.00621	0.0353	1	02/26/2025 22:21	WG2457415
4-Chlorophenyl-phenylether	U		0.0123	0.353	1	02/26/2025 22:21	WG2457415
Chrysene	U		0.00702	0.0353	1	02/26/2025 22:21	WG2457415
Dibenz(a,h)anthracene	U		0.00979	0.0353	1	02/26/2025 22:21	WG2457415
3,3-Dichlorobenzidine	U		0.0130	0.353	1	02/26/2025 22:21	WG2457415
2,4-Dinitrotoluene	U		0.0101	0.353	1	02/26/2025 22:21	WG2457415
2,6-Dinitrotoluene	U		0.0116	0.353	1	02/26/2025 22:21	WG2457415
Fluoranthene	U		0.00638	0.0353	1	02/26/2025 22:21	WG2457415
Fluorene	U		0.00575	0.0353	1	02/26/2025 22:21	WG2457415
Hexachlorobenzene	U		0.0125	0.353	1	02/26/2025 22:21	WG2457415
Hexachloro-1,3-butadiene	U		0.0119	0.353	1	02/26/2025 22:21	WG2457415
Hexachlorocyclopentadiene	U		0.0186	0.353	1	02/26/2025 22:21	WG2457415
Hexachloroethane	U		0.0139	0.353	1	02/26/2025 22:21	WG2457415
Indeno(1,2,3-cd)pyrene	U		0.00998	0.0353	1	02/26/2025 22:21	WG2457415
Isophorone	U		0.0108	0.353	1	02/26/2025 22:21	WG2457415
Naphthalene	U		0.00887	0.0353	1	02/26/2025 22:21	WG2457415
Nitrobenzene	U		0.0123	0.353	1	02/26/2025 22:21	WG2457415
n-Nitrosodimethylamine	U		0.0524	0.353	1	02/26/2025 22:21	WG2457415
n-Nitrosodiphenylamine	U		0.0267	0.353	1	02/26/2025 22:21	WG2457415
n-Nitrosodi-n-propylamine	U		0.0118	0.353	1	02/26/2025 22:21	WG2457415
Phenanthrene	U		0.00701	0.0353	1	02/26/2025 22:21	WG2457415
Benzylbutyl phthalate	U		0.0110	0.353	1	02/26/2025 22:21	WG2457415
Bis(2-ethylhexyl)phthalate	U		0.0448	0.353	1	02/26/2025 22:21	WG2457415
Di-n-butyl phthalate	U		0.0121	0.353	1	02/26/2025 22:21	WG2457415
Diethyl phthalate	U		0.0117	0.353	1	02/26/2025 22:21	WG2457415
Dimethyl phthalate	U		0.0749	0.353	1	02/26/2025 22:21	WG2457415
Di-n-octyl phthalate	U		0.0239	0.353	1	02/26/2025 22:21	WG2457415
Pyrene	U		0.00687	0.0353	1	02/26/2025 22:21	WG2457415
1,2,4-Trichlorobenzene	U		0.0110	0.353	1	02/26/2025 22:21	WG2457415
4-Chloro-3-methylphenol	U		0.0115	0.353	1	02/26/2025 22:21	WG2457415
2-Chlorophenol	U		0.0117	0.353	1	02/26/2025 22:21	WG2457415
2,4-Dichlorophenol	U		0.0103	0.353	1	02/26/2025 22:21	WG2457415
2,4-Dimethylphenol	U		0.00923	0.353	1	02/26/2025 22:21	WG2457415
4,6-Dinitro-2-methylphenol	U		0.0801	0.353	1	02/26/2025 22:21	WG2457415
2,4-Dinitrophenol	U		0.0826	0.353	1	02/26/2025 22:21	WG2457415

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	U		0.0106	0.353	1	02/26/2025 22:21	WG2457415
3&4-Methyl Phenol	U		0.0110	0.353	1	02/26/2025 22:21	WG2457415
2-Nitrophenol	U		0.0126	0.353	1	02/26/2025 22:21	WG2457415
4-Nitrophenol	U		0.0110	0.353	1	02/26/2025 22:21	WG2457415
Pentachlorophenol	U		0.00950	0.353	1	02/26/2025 22:21	WG2457415
Pyridine	U		0.0233	0.353	1	02/26/2025 22:21	WG2457415
2,4,5-Trichlorophenol	U		0.0120	0.353	1	02/26/2025 22:21	WG2457415
2,4,6-Trichlorophenol	U		0.0114	0.353	1	02/26/2025 22:21	WG2457415
Phenol	U		0.0142	0.353	1	02/26/2025 22:21	WG2457415
(S) 2-Fluorophenol	*78.6*			*12.0-120*		*02/26/2025 22:21*	WG2457415
(S) Phenol-d5	*72.8*			*10.0-120*		*02/26/2025 22:21*	WG2457415
(S) Nitrobenzene-d5	*73.1*			*10.0-122*		*02/26/2025 22:21*	WG2457415
(S) 2-Fluorobiphenyl	*78.9*			*15.0-120*		*02/26/2025 22:21*	WG2457415
(S) 2,4,6-Tribromophenol	*77.5*			*10.0-127*		*02/26/2025 22:21*	WG2457415
(S) p-Terphenyl-d14	*83.8*			*10.0-120*		*02/26/2025 22:21*	WG2457415

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	02/22/2025 10:42	WG2456122

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0218	0.0422	1	02/25/2025 20:37	WG2456307

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.730	2.11	1	02/24/2025 11:50	WG2456531
Arsenic	2.23		0.884	2.11	1	02/24/2025 11:50	WG2456531
Barium	30.2		0.0898	0.528	1	02/24/2025 11:50	WG2456531
Beryllium	0.144	J	0.0504	0.211	1	02/24/2025 11:50	WG2456531
Cadmium	U		0.0690	0.528	1	02/24/2025 11:50	WG2456531
Chromium	4.56		0.226	1.06	1	02/24/2025 11:50	WG2456531
Cobalt	3.11		0.187	1.06	1	02/24/2025 11:50	WG2456531
Copper	4.79		0.377	2.11	1	02/24/2025 11:50	WG2456531
Lead	2.67		0.344	0.528	1	02/24/2025 11:50	WG2456531
Molybdenum	0.638	B	0.0180	0.528	1	02/24/2025 11:50	WG2456531
Nickel	2.85		0.211	2.11	1	02/24/2025 11:50	WG2456531
Selenium	U		1.13	2.11	1	02/24/2025 11:50	WG2456531
Silver	U		0.134	1.06	1	02/24/2025 11:50	WG2456531
Thallium	U		0.547	2.11	1	02/24/2025 11:50	WG2456531
Vanadium	18.9		0.404	2.11	1	02/24/2025 11:50	WG2456531
Zinc	17.6		1.03	5.28	1	02/24/2025 11:50	WG2456531

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		0.924	2.78	25	02/23/2025 12:28	WG2456577
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*77.0-120*		*02/23/2025 12:28*	WG2456577

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0406	0.0557	1	02/23/2025 13:52	WG2456603
Acrylonitrile	U		0.00402	0.0139	1	02/23/2025 13:52	WG2456603
Benzene	U		0.000520	0.00111	1	02/23/2025 13:52	WG2456603
Bromobenzene	U		0.00100	0.0139	1	02/23/2025 13:52	WG2456603
Bromodichloromethane	U		0.000807	0.00278	1	02/23/2025 13:52	WG2456603
Bromoform	U		0.00130	0.0278	1	02/23/2025 13:52	WG2456603
Bromomethane	U	C3	0.00219	0.0139	1	02/23/2025 13:52	WG2456603
n-Butylbenzene	U		0.00584	0.0139	1	02/23/2025 13:52	WG2456603
sec-Butylbenzene	U		0.00321	0.0139	1	02/23/2025 13:52	WG2456603
tert-Butylbenzene	U		0.00217	0.00557	1	02/23/2025 13:52	WG2456603
Carbon tetrachloride	U		0.000999	0.00557	1	02/23/2025 13:52	WG2456603
Chlorobenzene	U		0.000234	0.00278	1	02/23/2025 13:52	WG2456603
Chlorodibromomethane	U		0.000681	0.00278	1	02/23/2025 13:52	WG2456603
Chloroethane	U		0.00189	0.00557	1	02/23/2025 13:52	WG2456603
Chloroform	U		0.00115	0.00278	1	02/23/2025 13:52	WG2456603
Chloromethane	U		0.00484	0.0139	1	02/23/2025 13:52	WG2456603
2-Chlorotoluene	U		0.000963	0.00278	1	02/23/2025 13:52	WG2456603

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorotoluene	U		0.000501	0.00557	1	02/23/2025 13:52	WG2456603
1,2-Dibromo-3-Chloropropane	U		0.00434	0.0278	1	02/23/2025 13:52	WG2456603
1,2-Dibromoethane	U		0.000721	0.00278	1	02/23/2025 13:52	WG2456603
Dibromomethane	U		0.000835	0.00557	1	02/23/2025 13:52	WG2456603
1,2-Dichlorobenzene	U		0.000473	0.00557	1	02/23/2025 13:52	WG2456603
1,3-Dichlorobenzene	U		0.000668	0.00557	1	02/23/2025 13:52	WG2456603
1,4-Dichlorobenzene	U		0.000779	0.00557	1	02/23/2025 13:52	WG2456603
Dichlorodifluoromethane	U	C3	0.00179	0.00557	1	02/23/2025 13:52	WG2456603
1,1-Dichloroethane	U		0.000546	0.00278	1	02/23/2025 13:52	WG2456603
1,2-Dichloroethane	U		0.000722	0.00278	1	02/23/2025 13:52	WG2456603
1,1-Dichloroethene	U		0.000674	0.00278	1	02/23/2025 13:52	WG2456603
cis-1,2-Dichloroethene	U		0.000817	0.00278	1	02/23/2025 13:52	WG2456603
trans-1,2-Dichloroethene	U		0.00116	0.00557	1	02/23/2025 13:52	WG2456603
1,2-Dichloropropane	U		0.00158	0.00557	1	02/23/2025 13:52	WG2456603
1,1-Dichloropropene	U		0.000900	0.00278	1	02/23/2025 13:52	WG2456603
1,3-Dichloropropane	U		0.000558	0.00557	1	02/23/2025 13:52	WG2456603
cis-1,3-Dichloropropene	U		0.000843	0.00278	1	02/23/2025 13:52	WG2456603
trans-1,3-Dichloropropene	U		0.00127	0.00557	1	02/23/2025 13:52	WG2456603
2,2-Dichloropropane	U		0.00154	0.00278	1	02/23/2025 13:52	WG2456603
Di-isopropyl ether	U		0.000456	0.00111	1	02/23/2025 13:52	WG2456603
Ethylbenzene	U		0.000820	0.00278	1	02/23/2025 13:52	WG2456603
Hexachloro-1,3-butadiene	U		0.00668	0.0278	1	02/23/2025 13:52	WG2456603
Isopropylbenzene	U		0.000473	0.00278	1	02/23/2025 13:52	WG2456603
p-Isopropyltoluene	U		0.00284	0.00557	1	02/23/2025 13:52	WG2456603
2-Butanone (MEK)	U		0.0707	0.111	1	02/23/2025 13:52	WG2456603
Methylene Chloride	U		0.00739	0.0278	1	02/23/2025 13:52	WG2456603
4-Methyl-2-pentanone (MIBK)	U		0.00254	0.0278	1	02/23/2025 13:52	WG2456603
Methyl tert-butyl ether	U		0.000390	0.00111	1	02/23/2025 13:52	WG2456603
Naphthalene	U		0.00543	0.0139	1	02/23/2025 13:52	WG2456603
n-Propylbenzene	U		0.00106	0.00557	1	02/23/2025 13:52	WG2456603
Styrene	U		0.000255	0.0139	1	02/23/2025 13:52	WG2456603
1,1,1,2-Tetrachloroethane	U		0.00106	0.00278	1	02/23/2025 13:52	WG2456603
1,1,2,2-Tetrachloroethane	U		0.000774	0.00278	1	02/23/2025 13:52	WG2456603
1,1,2-Trichlorotrifluoroethane	U		0.000839	0.00278	1	02/23/2025 13:52	WG2456603
Tetrachloroethene	U		0.000997	0.00278	1	02/23/2025 13:52	WG2456603
Toluene	U		0.00145	0.00557	1	02/23/2025 13:52	WG2456603
1,2,3-Trichlorobenzene	U	C3	0.00816	0.0139	1	02/23/2025 13:52	WG2456603
1,2,4-Trichlorobenzene	U	C3	0.00490	0.0139	1	02/23/2025 13:52	WG2456603
1,1,1-Trichloroethane	U		0.00103	0.00278	1	02/23/2025 13:52	WG2456603
1,1,2-Trichloroethane	U		0.000664	0.00278	1	02/23/2025 13:52	WG2456603
Trichloroethene	U		0.000650	0.00111	1	02/23/2025 13:52	WG2456603
Trichlorofluoromethane	U		0.000920	0.00278	1	02/23/2025 13:52	WG2456603
1,2,3-Trichloropropane	U		0.00180	0.0139	1	02/23/2025 13:52	WG2456603
1,2,4-Trimethylbenzene	U		0.00176	0.00557	1	02/23/2025 13:52	WG2456603
1,2,3-Trimethylbenzene	U		0.00176	0.00557	1	02/23/2025 13:52	WG2456603
Vinyl chloride	U	C3	0.00129	0.00278	1	02/23/2025 13:52	WG2456603
1,3,5-Trimethylbenzene	U		0.00223	0.00557	1	02/23/2025 13:52	WG2456603
Xylenes, Total	U		0.000979	0.00723	1	02/23/2025 13:52	WG2456603
(S) Toluene-d8	*95.8*			*75.0-131*		*02/23/2025 13:52*	WG2456603
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*02/23/2025 13:52*	WG2456603
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*02/23/2025 13:52*	WG2456603

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		2.67	4.22	1	02/27/2025 21:25	WG2458775
C22-C32 Hydrocarbons	7.47		2.67	4.22	1	02/27/2025 21:25	WG2458775
C32-C40 Hydrocarbons	U		2.67	4.22	1	02/27/2025 21:25	WG2458775
(S) o-Terphenyl	*70.1*			*18.0-148*		*02/27/2025 21:25*	WG2458775

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00569	0.0352	1	02/26/2025 22:45	WG2457415
Acenaphthylene	U		0.00495	0.0352	1	02/26/2025 22:45	WG2457415
Anthracene	U		0.00626	0.0352	1	02/26/2025 22:45	WG2457415
Benzidine	U	C3	0.0661	1.76	1	02/26/2025 22:45	WG2457415
Benzo(a)anthracene	U		0.00620	0.0352	1	02/26/2025 22:45	WG2457415
Benzo(b)fluoranthene	U		0.00656	0.0352	1	02/26/2025 22:45	WG2457415
Benzo(k)fluoranthene	U		0.00625	0.0352	1	02/26/2025 22:45	WG2457415
Benzo(g,h,i)perylene	U		0.00643	0.0352	1	02/26/2025 22:45	WG2457415
Benzo(a)pyrene	U		0.00654	0.0352	1	02/26/2025 22:45	WG2457415
Bis(2-chlorethoxy)methane	U		0.0106	0.352	1	02/26/2025 22:45	WG2457415
Bis(2-chloroethyl)ether	U		0.0116	0.352	1	02/26/2025 22:45	WG2457415
2,2-Oxybis(1-Chloropropane)	U		0.0152	0.352	1	02/26/2025 22:45	WG2457415
4-Bromophenyl-phenylether	U		0.0124	0.352	1	02/26/2025 22:45	WG2457415
2-Chloronaphthalene	U		0.00618	0.0352	1	02/26/2025 22:45	WG2457415
4-Chlorophenyl-phenylether	U		0.0123	0.352	1	02/26/2025 22:45	WG2457415
Chrysene	U		0.00699	0.0352	1	02/26/2025 22:45	WG2457415
Dibenz(a,h)anthracene	U		0.00975	0.0352	1	02/26/2025 22:45	WG2457415
3,3-Dichlorobenzidine	U		0.0130	0.352	1	02/26/2025 22:45	WG2457415
2,4-Dinitrotoluene	U		0.0101	0.352	1	02/26/2025 22:45	WG2457415
2,6-Dinitrotoluene	U		0.0115	0.352	1	02/26/2025 22:45	WG2457415
Fluoranthene	U		0.00635	0.0352	1	02/26/2025 22:45	WG2457415
Fluorene	U		0.00572	0.0352	1	02/26/2025 22:45	WG2457415
Hexachlorobenzene	U		0.0125	0.352	1	02/26/2025 22:45	WG2457415
Hexachloro-1,3-butadiene	U		0.0118	0.352	1	02/26/2025 22:45	WG2457415
Hexachlorocyclopentadiene	U		0.0185	0.352	1	02/26/2025 22:45	WG2457415
Hexachloroethane	U		0.0138	0.352	1	02/26/2025 22:45	WG2457415
Indeno(1,2,3-cd)pyrene	U		0.00994	0.0352	1	02/26/2025 22:45	WG2457415
Isophorone	U		0.0108	0.352	1	02/26/2025 22:45	WG2457415
Naphthalene	U		0.00883	0.0352	1	02/26/2025 22:45	WG2457415
Nitrobenzene	U		0.0123	0.352	1	02/26/2025 22:45	WG2457415
n-Nitrosodimethylamine	U		0.0522	0.352	1	02/26/2025 22:45	WG2457415
n-Nitrosodiphenylamine	U		0.0266	0.352	1	02/26/2025 22:45	WG2457415
n-Nitrosodi-n-propylamine	U		0.0117	0.352	1	02/26/2025 22:45	WG2457415
Phenanthrene	U		0.00698	0.0352	1	02/26/2025 22:45	WG2457415
Benzylbutyl phthalate	U		0.0110	0.352	1	02/26/2025 22:45	WG2457415
Bis(2-ethylhexyl)phthalate	U		0.0446	0.352	1	02/26/2025 22:45	WG2457415
Di-n-butyl phthalate	U		0.0120	0.352	1	02/26/2025 22:45	WG2457415
Diethyl phthalate	U		0.0116	0.352	1	02/26/2025 22:45	WG2457415
Dimethyl phthalate	U		0.0746	0.352	1	02/26/2025 22:45	WG2457415
Di-n-octyl phthalate	U		0.0238	0.352	1	02/26/2025 22:45	WG2457415
Pyrene	U		0.00684	0.0352	1	02/26/2025 22:45	WG2457415
1,2,4-Trichlorobenzene	U		0.0110	0.352	1	02/26/2025 22:45	WG2457415
4-Chloro-3-methylphenol	U		0.0114	0.352	1	02/26/2025 22:45	WG2457415
2-Chlorophenol	U		0.0116	0.352	1	02/26/2025 22:45	WG2457415
2,4-Dichlorophenol	U		0.0102	0.352	1	02/26/2025 22:45	WG2457415
2,4-Dimethylphenol	U		0.00919	0.352	1	02/26/2025 22:45	WG2457415
4,6-Dinitro-2-methylphenol	U		0.0797	0.352	1	02/26/2025 22:45	WG2457415
2,4-Dinitrophenol	U		0.0823	0.352	1	02/26/2025 22:45	WG2457415

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	U		0.0106	0.352	1	02/26/2025 22:45	WG2457415
3&4-Methyl Phenol	U		0.0110	0.352	1	02/26/2025 22:45	WG2457415
2-Nitrophenol	U		0.0126	0.352	1	02/26/2025 22:45	WG2457415
4-Nitrophenol	U		0.0110	0.352	1	02/26/2025 22:45	WG2457415
Pentachlorophenol	U		0.00946	0.352	1	02/26/2025 22:45	WG2457415
Pyridine	U		0.0232	0.352	1	02/26/2025 22:45	WG2457415
2,4,5-Trichlorophenol	U		0.0119	0.352	1	02/26/2025 22:45	WG2457415
2,4,6-Trichlorophenol	U		0.0113	0.352	1	02/26/2025 22:45	WG2457415
Phenol	U		0.0142	0.352	1	02/26/2025 22:45	WG2457415
(S) 2-Fluorophenol	*80.2*			*12.0-120*		*02/26/2025 22:45*	WG2457415
(S) Phenol-d5	*72.8*			*10.0-120*		*02/26/2025 22:45*	WG2457415
(S) Nitrobenzene-d5	*73.6*			*10.0-122*		*02/26/2025 22:45*	WG2457415
(S) 2-Fluorobiphenyl	*80.9*			*15.0-120*		*02/26/2025 22:45*	WG2457415
(S) 2,4,6-Tribromophenol	*79.0*			*10.0-127*		*02/26/2025 22:45*	WG2457415
(S) p-Terphenyl-d14	*84.5*			*10.0-120*		*02/26/2025 22:45*	WG2457415

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.5		1	02/22/2025 10:42	WG2456122

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0218	0.0423	1	02/25/2025 20:40	WG2456307

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.731	2.12	1	02/24/2025 11:52	WG2456531
Arsenic	3.28		0.886	2.12	1	02/24/2025 11:52	WG2456531
Barium	194		0.0900	0.529	1	02/24/2025 11:52	WG2456531
Beryllium	0.521		0.0505	0.212	1	02/24/2025 11:52	WG2456531
Cadmium	0.162	J	0.0691	0.529	1	02/24/2025 11:52	WG2456531
Chromium	11.4		0.226	1.06	1	02/24/2025 11:52	WG2456531
Cobalt	5.83		0.187	1.06	1	02/24/2025 11:52	WG2456531
Copper	11.4		0.378	2.12	1	02/24/2025 11:52	WG2456531
Lead	10.8		0.345	0.529	1	02/24/2025 11:52	WG2456531
Molybdenum	0.389	B J	0.0180	0.529	1	02/24/2025 11:52	WG2456531
Nickel	10.1		0.212	2.12	1	02/24/2025 11:52	WG2456531
Selenium	U		1.13	2.12	1	02/24/2025 11:52	WG2456531
Silver	U		0.134	1.06	1	02/24/2025 11:52	WG2456531
Thallium	U		0.548	2.12	1	02/24/2025 11:52	WG2456531
Vanadium	23.1		0.405	2.12	1	02/24/2025 11:52	WG2456531
Zinc	39.4		1.03	5.29	1	02/24/2025 11:52	WG2456531

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		0.928	2.80	25	02/23/2025 12:50	WG2456577
(S) a,a,a-Trifluorotoluene(FID)	*96.4*			*77.0-120*		*02/23/2025 12:50*	WG2456577

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0408	0.0559	1	02/23/2025 14:11	WG2456603
Acrylonitrile	U		0.00404	0.0140	1	02/23/2025 14:11	WG2456603
Benzene	U		0.000522	0.00112	1	02/23/2025 14:11	WG2456603
Bromobenzene	U		0.00101	0.0140	1	02/23/2025 14:11	WG2456603
Bromodichloromethane	U		0.000811	0.00280	1	02/23/2025 14:11	WG2456603
Bromoform	U		0.00131	0.0280	1	02/23/2025 14:11	WG2456603
Bromomethane	U	C3	0.00220	0.0140	1	02/23/2025 14:11	WG2456603
n-Butylbenzene	U		0.00587	0.0140	1	02/23/2025 14:11	WG2456603
sec-Butylbenzene	U		0.00322	0.0140	1	02/23/2025 14:11	WG2456603
tert-Butylbenzene	U		0.00218	0.00559	1	02/23/2025 14:11	WG2456603
Carbon tetrachloride	U		0.00100	0.00559	1	02/23/2025 14:11	WG2456603
Chlorobenzene	U		0.000235	0.00280	1	02/23/2025 14:11	WG2456603
Chlorodibromomethane	U		0.000685	0.00280	1	02/23/2025 14:11	WG2456603
Chloroethane	U		0.00190	0.00559	1	02/23/2025 14:11	WG2456603
Chloroform	U		0.00115	0.00280	1	02/23/2025 14:11	WG2456603
Chloromethane	U		0.00487	0.0140	1	02/23/2025 14:11	WG2456603
2-Chlorotoluene	U		0.000968	0.00280	1	02/23/2025 14:11	WG2456603

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorotoluene	U		0.000503	0.00559	1	02/23/2025 14:11	WG2456603
1,2-Dibromo-3-Chloropropane	U		0.00436	0.0280	1	02/23/2025 14:11	WG2456603
1,2-Dibromoethane	U		0.000725	0.00280	1	02/23/2025 14:11	WG2456603
Dibromomethane	U		0.000839	0.00559	1	02/23/2025 14:11	WG2456603
1,2-Dichlorobenzene	U		0.000475	0.00559	1	02/23/2025 14:11	WG2456603
1,3-Dichlorobenzene	U		0.000671	0.00559	1	02/23/2025 14:11	WG2456603
1,4-Dichlorobenzene	U		0.000783	0.00559	1	02/23/2025 14:11	WG2456603
Dichlorodifluoromethane	U	C3	0.00180	0.00559	1	02/23/2025 14:11	WG2456603
1,1-Dichloroethane	U		0.000549	0.00280	1	02/23/2025 14:11	WG2456603
1,2-Dichloroethane	U		0.000726	0.00280	1	02/23/2025 14:11	WG2456603
1,1-Dichloroethene	U		0.000678	0.00280	1	02/23/2025 14:11	WG2456603
cis-1,2-Dichloroethene	U		0.000821	0.00280	1	02/23/2025 14:11	WG2456603
trans-1,2-Dichloroethene	U		0.00116	0.00559	1	02/23/2025 14:11	WG2456603
1,2-Dichloropropane	U		0.00159	0.00559	1	02/23/2025 14:11	WG2456603
1,1-Dichloropropene	U		0.000905	0.00280	1	02/23/2025 14:11	WG2456603
1,3-Dichloropropane	U		0.000560	0.00559	1	02/23/2025 14:11	WG2456603
cis-1,3-Dichloropropene	U		0.000847	0.00280	1	02/23/2025 14:11	WG2456603
trans-1,3-Dichloropropene	U		0.00128	0.00559	1	02/23/2025 14:11	WG2456603
2,2-Dichloropropane	U		0.00154	0.00280	1	02/23/2025 14:11	WG2456603
Di-isopropyl ether	U		0.000459	0.00112	1	02/23/2025 14:11	WG2456603
Ethylbenzene	U		0.000824	0.00280	1	02/23/2025 14:11	WG2456603
Hexachloro-1,3-butadiene	U		0.00671	0.0280	1	02/23/2025 14:11	WG2456603
Isopropylbenzene	U		0.000475	0.00280	1	02/23/2025 14:11	WG2456603
p-Isopropyltoluene	U		0.00285	0.00559	1	02/23/2025 14:11	WG2456603
2-Butanone (MEK)	U		0.0710	0.112	1	02/23/2025 14:11	WG2456603
Methylene Chloride	U		0.00743	0.0280	1	02/23/2025 14:11	WG2456603
4-Methyl-2-pentanone (MIBK)	U		0.00255	0.0280	1	02/23/2025 14:11	WG2456603
Methyl tert-butyl ether	U		0.000391	0.00112	1	02/23/2025 14:11	WG2456603
Naphthalene	U		0.00546	0.0140	1	02/23/2025 14:11	WG2456603
n-Propylbenzene	U		0.00106	0.00559	1	02/23/2025 14:11	WG2456603
Styrene	U		0.000256	0.0140	1	02/23/2025 14:11	WG2456603
1,1,1,2-Tetrachloroethane	U		0.00106	0.00280	1	02/23/2025 14:11	WG2456603
1,1,2,2-Tetrachloroethane	U		0.000777	0.00280	1	02/23/2025 14:11	WG2456603
1,1,2-Trichlorotrifluoroethane	U		0.000843	0.00280	1	02/23/2025 14:11	WG2456603
Tetrachloroethene	U		0.00100	0.00280	1	02/23/2025 14:11	WG2456603
Toluene	U		0.00145	0.00559	1	02/23/2025 14:11	WG2456603
1,2,3-Trichlorobenzene	U	C3	0.00820	0.0140	1	02/23/2025 14:11	WG2456603
1,2,4-Trichlorobenzene	U	C3	0.00492	0.0140	1	02/23/2025 14:11	WG2456603
1,1,1-Trichloroethane	U		0.00103	0.00280	1	02/23/2025 14:11	WG2456603
1,1,2-Trichloroethane	U		0.000668	0.00280	1	02/23/2025 14:11	WG2456603
Trichloroethene	U		0.000653	0.00112	1	02/23/2025 14:11	WG2456603
Trichlorofluoromethane	U		0.000925	0.00280	1	02/23/2025 14:11	WG2456603
1,2,3-Trichloropropane	U		0.00181	0.0140	1	02/23/2025 14:11	WG2456603
1,2,4-Trimethylbenzene	U		0.00177	0.00559	1	02/23/2025 14:11	WG2456603
1,2,3-Trimethylbenzene	U		0.00177	0.00559	1	02/23/2025 14:11	WG2456603
Vinyl chloride	U	C3	0.00130	0.00280	1	02/23/2025 14:11	WG2456603
1,3,5-Trimethylbenzene	U		0.00224	0.00559	1	02/23/2025 14:11	WG2456603
Xylenes, Total	U		0.000984	0.00727	1	02/23/2025 14:11	WG2456603
(S) Toluene-d8	*96.8*			*75.0-131*		*02/23/2025 14:11*	WG2456603
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*02/23/2025 14:11*	WG2456603
(S) 1,2-Dichloroethane-d4	*90.9*			*70.0-130*		*02/23/2025 14:11*	WG2456603

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	28.0		5.36	8.47	2	02/28/2025 10:31	WG2458775
C22-C32 Hydrocarbons	152		5.36	8.47	2	02/28/2025 10:31	WG2458775
C32-C40 Hydrocarbons	71.0		5.36	8.47	2	02/28/2025 10:31	WG2458775
(S) o-Terphenyl	*66.3*			*18.0-148*		*02/28/2025 10:31*	WG2458775

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00570	0.0352	1	02/27/2025 02:46	WG2457415
Acenaphthylene	U		0.00496	0.0352	1	02/27/2025 02:46	WG2457415
Anthracene	U		0.00628	0.0352	1	02/27/2025 02:46	WG2457415
Benzidine	U	C3	0.0662	1.77	1	02/27/2025 02:46	WG2457415
Benzo(a)anthracene	U		0.00621	0.0352	1	02/27/2025 02:46	WG2457415
Benzo(b)fluoranthene	U		0.00657	0.0352	1	02/27/2025 02:46	WG2457415
Benzo(k)fluoranthene	U		0.00627	0.0352	1	02/27/2025 02:46	WG2457415
Benzo(g,h,i)perylene	U		0.00645	0.0352	1	02/27/2025 02:46	WG2457415
Benzo(a)pyrene	U		0.00655	0.0352	1	02/27/2025 02:46	WG2457415
Bis(2-chlorethoxy)methane	U		0.0106	0.352	1	02/27/2025 02:46	WG2457415
Bis(2-chloroethyl)ether	U		0.0116	0.352	1	02/27/2025 02:46	WG2457415
2,2-Oxybis(1-Chloropropane)	U		0.0152	0.352	1	02/27/2025 02:46	WG2457415
4-Bromophenyl-phenylether	U		0.0124	0.352	1	02/27/2025 02:46	WG2457415
2-Chloronaphthalene	U		0.00619	0.0352	1	02/27/2025 02:46	WG2457415
4-Chlorophenyl-phenylether	U		0.0123	0.352	1	02/27/2025 02:46	WG2457415
Chrysene	U		0.00701	0.0352	1	02/27/2025 02:46	WG2457415
Dibenz(a,h)anthracene	U		0.00977	0.0352	1	02/27/2025 02:46	WG2457415
3,3-Dichlorobenzidine	U		0.0130	0.352	1	02/27/2025 02:46	WG2457415
2,4-Dinitrotoluene	U		0.0101	0.352	1	02/27/2025 02:46	WG2457415
2,6-Dinitrotoluene	U		0.0115	0.352	1	02/27/2025 02:46	WG2457415
Fluoranthene	U		0.00636	0.0352	1	02/27/2025 02:46	WG2457415
Fluorene	U		0.00574	0.0352	1	02/27/2025 02:46	WG2457415
Hexachlorobenzene	U		0.0125	0.352	1	02/27/2025 02:46	WG2457415
Hexachloro-1,3-butadiene	U		0.0119	0.352	1	02/27/2025 02:46	WG2457415
Hexachlorocyclopentadiene	U		0.0185	0.352	1	02/27/2025 02:46	WG2457415
Hexachloroethane	U		0.0139	0.352	1	02/27/2025 02:46	WG2457415
Indeno(1,2,3-cd)pyrene	U		0.00996	0.0352	1	02/27/2025 02:46	WG2457415
Isophorone	U		0.0108	0.352	1	02/27/2025 02:46	WG2457415
Naphthalene	U		0.00885	0.0352	1	02/27/2025 02:46	WG2457415
Nitrobenzene	U		0.0123	0.352	1	02/27/2025 02:46	WG2457415
n-Nitrosodimethylamine	U		0.0523	0.352	1	02/27/2025 02:46	WG2457415
n-Nitrosodiphenylamine	U		0.0267	0.352	1	02/27/2025 02:46	WG2457415
n-Nitrosodi-n-propylamine	U		0.0117	0.352	1	02/27/2025 02:46	WG2457415
Phenanthrene	U		0.00700	0.0352	1	02/27/2025 02:46	WG2457415
Benzylbutyl phthalate	U		0.0110	0.352	1	02/27/2025 02:46	WG2457415
Bis(2-ethylhexyl)phthalate	0.0542	J	0.0447	0.352	1	02/27/2025 02:46	WG2457415
Di-n-butyl phthalate	U		0.0121	0.352	1	02/27/2025 02:46	WG2457415
Diethyl phthalate	U		0.0116	0.352	1	02/27/2025 02:46	WG2457415
Dimethyl phthalate	U		0.0747	0.352	1	02/27/2025 02:46	WG2457415
Di-n-octyl phthalate	U		0.0238	0.352	1	02/27/2025 02:46	WG2457415
Pyrene	U		0.00686	0.0352	1	02/27/2025 02:46	WG2457415
1,2,4-Trichlorobenzene	U		0.0110	0.352	1	02/27/2025 02:46	WG2457415
4-Chloro-3-methylphenol	U		0.0114	0.352	1	02/27/2025 02:46	WG2457415
2-Chlorophenol	U		0.0116	0.352	1	02/27/2025 02:46	WG2457415
2,4-Dichlorophenol	U		0.0103	0.352	1	02/27/2025 02:46	WG2457415
2,4-Dimethylphenol	U		0.00921	0.352	1	02/27/2025 02:46	WG2457415
4,6-Dinitro-2-methylphenol	U		0.0799	0.352	1	02/27/2025 02:46	WG2457415
2,4-Dinitrophenol	U		0.0824	0.352	1	02/27/2025 02:46	WG2457415

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	U		0.0106	0.352	1	02/27/2025 02:46	WG2457415
3&4-Methyl Phenol	U		0.0110	0.352	1	02/27/2025 02:46	WG2457415
2-Nitrophenol	U		0.0126	0.352	1	02/27/2025 02:46	WG2457415
4-Nitrophenol	U		0.0110	0.352	1	02/27/2025 02:46	WG2457415
Pentachlorophenol	U		0.00948	0.352	1	02/27/2025 02:46	WG2457415
Pyridine	U		0.0233	0.352	1	02/27/2025 02:46	WG2457415
2,4,5-Trichlorophenol	U		0.0120	0.352	1	02/27/2025 02:46	WG2457415
2,4,6-Trichlorophenol	U		0.0113	0.352	1	02/27/2025 02:46	WG2457415
Phenol	U		0.0142	0.352	1	02/27/2025 02:46	WG2457415
(S) 2-Fluorophenol	*75.1*			*12.0-120*		*02/27/2025 02:46*	WG2457415
(S) Phenol-d5	*68.3*			*10.0-120*		*02/27/2025 02:46*	WG2457415
(S) Nitrobenzene-d5	*73.1*			*10.0-122*		*02/27/2025 02:46*	WG2457415
(S) 2-Fluorobiphenyl	*76.8*			*15.0-120*		*02/27/2025 02:46*	WG2457415
(S) 2,4,6-Tribromophenol	*70.8*			*10.0-127*		*02/27/2025 02:46*	WG2457415
(S) p-Terphenyl-d14	*79.8*			*10.0-120*		*02/27/2025 02:46*	WG2457415

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	U		0.0000700	0.000200	1	02/26/2025 12:19	WG2455895

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	U		0.000310	0.00400	1	02/26/2025 17:11	WG2457449
Arsenic,Dissolved	0.0109		0.000120	0.00200	1	02/26/2025 12:50	WG2457449
Barium,Dissolved	0.0390		0.000500	0.00200	1	02/26/2025 12:50	WG2457449
Beryllium,Dissolved	U		0.000200	0.00200	1	02/26/2025 17:11	WG2457449
Cadmium,Dissolved	U		0.000120	0.00100	1	02/26/2025 12:50	WG2457449
Chromium,Dissolved	0.00206		0.000900	0.00200	1	02/26/2025 12:50	WG2457449
Copper,Dissolved	0.00369	J	0.000700	0.00500	1	02/26/2025 12:50	WG2457449
Cobalt,Dissolved	U		0.000100	0.00200	1	02/26/2025 12:50	WG2457449
Lead,Dissolved	U		0.000500	0.00200	1	02/26/2025 12:50	WG2457449
Molybdenum,Dissolved	0.00846		0.000500	0.00500	1	02/26/2025 12:50	WG2457449
Nickel,Dissolved	U		0.000500	0.00200	1	02/26/2025 12:50	WG2457449
Selenium,Dissolved	0.000327	J	0.000250	0.00200	1	02/26/2025 12:50	WG2457449
Silver,Dissolved	U		0.000110	0.00200	1	02/26/2025 12:50	WG2457449
Thallium,Dissolved	U		0.000130	0.00200	1	02/26/2025 12:50	WG2457449
Vanadium,Dissolved	0.0136		0.000520	0.00500	1	02/26/2025 12:50	WG2457449
Zinc,Dissolved	0.0378		0.00400	0.0250	1	02/26/2025 12:50	WG2457449

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPHG C5 - C12	U		0.0304	0.100	1	02/21/2025 23:59	WG2456082
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*78.0-120*		*02/21/2025 23:59*	WG2456082

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	02/22/2025 17:47	WG2456282
Acrolein	U		0.00254	0.0500	1	02/22/2025 17:47	WG2456282
Acrylonitrile	U		0.000671	0.0100	1	02/22/2025 17:47	WG2456282
Benzene	U		0.0000941	0.00100	1	02/22/2025 17:47	WG2456282
Bromobenzene	U		0.000118	0.00100	1	02/22/2025 17:47	WG2456282
Bromodichloromethane	U		0.000136	0.00100	1	02/22/2025 17:47	WG2456282
Bromoform	U		0.000129	0.00100	1	02/22/2025 17:47	WG2456282
Bromomethane	U		0.000605	0.00500	1	02/22/2025 17:47	WG2456282
n-Butylbenzene	U		0.000157	0.00100	1	02/22/2025 17:47	WG2456282
sec-Butylbenzene	U		0.000125	0.00100	1	02/22/2025 17:47	WG2456282
tert-Butylbenzene	U		0.000127	0.00100	1	02/22/2025 17:47	WG2456282
Carbon tetrachloride	U		0.000128	0.00100	1	02/22/2025 17:47	WG2456282
Chlorobenzene	U		0.000116	0.00100	1	02/22/2025 17:47	WG2456282
Chlorodibromomethane	U		0.000140	0.00100	1	02/22/2025 17:47	WG2456282
Chloroethane	U		0.000192	0.00500	1	02/22/2025 17:47	WG2456282
Chloroform	U		0.000111	0.00500	1	02/22/2025 17:47	WG2456282
Chloromethane	U		0.000960	0.00250	1	02/22/2025 17:47	WG2456282
2-Chlorotoluene	U		0.000106	0.00100	1	02/22/2025 17:47	WG2456282
4-Chlorotoluene	U		0.000114	0.00100	1	02/22/2025 17:47	WG2456282
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	02/22/2025 17:47	WG2456282
1,2-Dibromoethane	U		0.000126	0.00100	1	02/22/2025 17:47	WG2456282
Dibromomethane	U		0.000122	0.00100	1	02/22/2025 17:47	WG2456282
1,2-Dichlorobenzene	U		0.000107	0.00100	1	02/22/2025 17:47	WG2456282

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	U		0.000110	0.00100	1	02/22/2025 17:47	WG2456282
1,4-Dichlorobenzene	U		0.000120	0.00100	1	02/22/2025 17:47	WG2456282
Dichlorodifluoromethane	U		0.000374	0.00500	1	02/22/2025 17:47	WG2456282
1,1-Dichloroethane	U		0.000100	0.00100	1	02/22/2025 17:47	WG2456282
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/22/2025 17:47	WG2456282
1,1-Dichloroethene	U		0.000188	0.00100	1	02/22/2025 17:47	WG2456282
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	02/22/2025 17:47	WG2456282
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	02/22/2025 17:47	WG2456282
1,2-Dichloropropane	U		0.000149	0.00100	1	02/22/2025 17:47	WG2456282
1,1-Dichloropropene	U		0.000142	0.00100	1	02/22/2025 17:47	WG2456282
1,3-Dichloropropane	U		0.000110	0.00100	1	02/22/2025 17:47	WG2456282
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	02/22/2025 17:47	WG2456282
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	02/22/2025 17:47	WG2456282
2,2-Dichloropropane	U		0.000161	0.00100	1	02/22/2025 17:47	WG2456282
Di-isopropyl ether	U		0.000105	0.00100	1	02/22/2025 17:47	WG2456282
Ethylbenzene	U		0.000137	0.00100	1	02/25/2025 01:13	WG2457113
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	02/22/2025 17:47	WG2456282
Isopropylbenzene	U		0.000105	0.00100	1	02/22/2025 17:47	WG2456282
p-Isopropyltoluene	U		0.000120	0.00100	1	02/22/2025 17:47	WG2456282
2-Butanone (MEK)	U		0.00119	0.0100	1	02/22/2025 17:47	WG2456282
Methylene Chloride	U		0.000430	0.00500	1	02/22/2025 17:47	WG2456282
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	02/22/2025 17:47	WG2456282
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/22/2025 17:47	WG2456282
Naphthalene	U	C3	0.00100	0.00500	1	02/25/2025 01:13	WG2457113
n-Propylbenzene	U		0.0000993	0.00100	1	02/22/2025 17:47	WG2456282
Styrene	U		0.000118	0.00100	1	02/22/2025 17:47	WG2456282
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	02/22/2025 17:47	WG2456282
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	02/22/2025 17:47	WG2456282
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	02/22/2025 17:47	WG2456282
Tetrachloroethene	U		0.000300	0.00100	1	02/22/2025 17:47	WG2456282
Toluene	U		0.000278	0.00100	1	02/25/2025 01:13	WG2457113
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	02/22/2025 17:47	WG2456282
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	02/22/2025 17:47	WG2456282
1,1,1-Trichloroethane	U		0.000149	0.00100	1	02/22/2025 17:47	WG2456282
1,1,2-Trichloroethane	U		0.000158	0.00100	1	02/22/2025 17:47	WG2456282
Trichloroethene	U		0.000190	0.00100	1	02/22/2025 17:47	WG2456282
Trichlorofluoromethane	U		0.000160	0.00500	1	02/22/2025 17:47	WG2456282
1,2,3-Trichloropropane	U		0.000237	0.00250	1	02/22/2025 17:47	WG2456282
1,2,4-Trimethylbenzene	0.000637	J	0.000322	0.00100	1	02/22/2025 17:47	WG2456282
1,2,3-Trimethylbenzene	0.000223	J	0.000104	0.00100	1	02/22/2025 17:47	WG2456282
1,3,5-Trimethylbenzene	0.000244	J	0.000104	0.00100	1	02/22/2025 17:47	WG2456282
Vinyl chloride	U		0.000234	0.00100	1	02/22/2025 17:47	WG2456282
Xylenes, Total	U		0.000174	0.00300	1	02/25/2025 01:13	WG2457113
(S) Toluene-d8	*102*			*80.0-120*		*02/22/2025 17:47*	WG2456282
(S) Toluene-d8	*105*			*80.0-120*		*02/25/2025 01:13*	WG2457113
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*02/22/2025 17:47*	WG2456282
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*02/25/2025 01:13*	WG2457113
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*		*02/22/2025 17:47*	WG2456282
(S) 1,2-Dichloroethane-d4	*85.2*			*70.0-130*		*02/25/2025 01:13*	WG2457113

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.0670	0.100	1	02/27/2025 13:37	WG2457404
C22-C32 Hydrocarbons	U		0.0670	0.100	1	02/27/2025 13:37	WG2457404
C32-C40 Hydrocarbons	U		0.0670	0.100	1	02/27/2025 13:37	WG2457404

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*148*			*52.0-156*		*02/27/2025 13:37*	WG2457404

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acenaphthene	U		0.0000886	0.00100	1	02/28/2025 08:54	WG2456497
Acenaphthylene	U		0.0000921	0.00100	1	02/28/2025 08:54	WG2456497
Anthracene	U		0.0000804	0.00100	1	02/28/2025 08:54	WG2456497
Benzidine	U	J4	0.00374	0.0100	1	02/28/2025 08:54	WG2456497
Benzo(a)anthracene	U		0.000199	0.00100	1	02/28/2025 08:54	WG2456497
Benzo(b)fluoranthene	U		0.000130	0.00100	1	02/28/2025 08:54	WG2456497
Benzo(k)fluoranthene	U		0.000120	0.00100	1	02/28/2025 08:54	WG2456497
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	02/28/2025 08:54	WG2456497
Benzo(a)pyrene	U		0.0000381	0.00100	1	02/28/2025 08:54	WG2456497
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	02/28/2025 08:54	WG2456497
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	02/28/2025 08:54	WG2456497
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	02/28/2025 08:54	WG2456497
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	02/28/2025 08:54	WG2456497
2-Chloronaphthalene	U		0.0000648	0.00100	1	02/28/2025 08:54	WG2456497
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	02/28/2025 08:54	WG2456497
Chrysene	U		0.000130	0.00100	1	02/28/2025 08:54	WG2456497
Dibenz(a,h)anthracene	U		0.0000644	0.00100	1	02/28/2025 08:54	WG2456497
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	02/28/2025 08:54	WG2456497
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	02/28/2025 08:54	WG2456497
2,6-Dinitrotoluene	U		0.000250	0.0100	1	02/28/2025 08:54	WG2456497
Fluoranthene	U		0.000102	0.00100	1	02/28/2025 08:54	WG2456497
Fluorene	U		0.0000844	0.00100	1	02/28/2025 08:54	WG2456497
Hexachlorobenzene	U		0.0000755	0.00100	1	02/28/2025 08:54	WG2456497
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	02/28/2025 08:54	WG2456497
Hexachlorocyclopentadiene	U	C3	0.0000598	0.0100	1	02/28/2025 08:54	WG2456497
Hexachloroethane	U		0.000127	0.0100	1	02/28/2025 08:54	WG2456497
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	02/28/2025 08:54	WG2456497
Isophorone	U		0.000143	0.0100	1	02/28/2025 08:54	WG2456497
Naphthalene	U		0.000159	0.00100	1	02/28/2025 08:54	WG2456497
Nitrobenzene	U		0.000297	0.0100	1	02/28/2025 08:54	WG2456497
n-Nitrosodimethylamine	U		0.000998	0.0100	1	02/28/2025 08:54	WG2456497
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	02/28/2025 08:54	WG2456497
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	02/28/2025 08:54	WG2456497
Phenanthrene	U		0.000112	0.00100	1	02/28/2025 08:54	WG2456497
Benzylbutyl phthalate	U		0.000765	0.00300	1	02/28/2025 08:54	WG2456497
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	02/28/2025 08:54	WG2456497
Di-n-butyl phthalate	U		0.000453	0.00300	1	02/28/2025 08:54	WG2456497
Diethyl phthalate	U		0.000287	0.00300	1	02/28/2025 08:54	WG2456497
Dimethyl phthalate	U		0.000260	0.00300	1	02/28/2025 08:54	WG2456497
Di-n-octyl phthalate	U		0.000932	0.00300	1	02/28/2025 08:54	WG2456497
Pyrene	U		0.000107	0.00100	1	02/28/2025 08:54	WG2456497
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	02/28/2025 08:54	WG2456497
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	02/28/2025 08:54	WG2456497
2-Chlorophenol	U		0.000133	0.0100	1	02/28/2025 08:54	WG2456497
2,4-Dichlorophenol	U		0.000102	0.0100	1	02/28/2025 08:54	WG2456497
2,4-Dimethylphenol	U		0.0000636	0.0100	1	02/28/2025 08:54	WG2456497
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	02/28/2025 08:54	WG2456497
2,4-Dinitrophenol	U		0.00593	0.0100	1	02/28/2025 08:54	WG2456497
2-Nitrophenol	U		0.000117	0.0100	1	02/28/2025 08:54	WG2456497
4-Nitrophenol	U		0.000143	0.0100	1	02/28/2025 08:54	WG2456497
Pentachlorophenol	U		0.000313	0.0100	1	02/28/2025 08:54	WG2456497

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Phenol	U		0.00433	0.0100	1	02/28/2025 08:54	WG2456497
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	02/28/2025 08:54	WG2456497
(S) 2-Fluorophenol	*22.4*			*10.0-120*		*02/28/2025 08:54*	WG2456497
(S) Phenol-d5	*17.3*			*10.0-120*		*02/28/2025 08:54*	WG2456497
(S) Nitrobenzene-d5	*47.2*			*10.0-127*		*02/28/2025 08:54*	WG2456497
(S) 2-Fluorobiphenyl	*48.4*			*10.0-130*		*02/28/2025 08:54*	WG2456497
(S) 2,4,6-Tribromophenol	*62.5*			*10.0-155*		*02/28/2025 08:54*	WG2456497
(S) p-Terphenyl-d14	*87.6*			*10.0-128*		*02/28/2025 08:54*	WG2456497

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	U		0.0000700	0.000200	1	02/26/2025 12:22	WG2455895

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	U		0.000310	0.00400	1	02/26/2025 17:24	WG2457449
Arsenic,Dissolved	0.00779		0.000120	0.00200	1	02/26/2025 13:03	WG2457449
Barium,Dissolved	0.0446		0.000500	0.00200	1	02/26/2025 13:03	WG2457449
Beryllium,Dissolved	U		0.000200	0.00200	1	02/26/2025 17:24	WG2457449
Cadmium,Dissolved	U		0.000120	0.00100	1	02/26/2025 13:03	WG2457449
Chromium,Dissolved	0.00179	J	0.000900	0.00200	1	02/26/2025 13:03	WG2457449
Copper,Dissolved	0.00933		0.000700	0.00500	1	02/26/2025 13:03	WG2457449
Cobalt,Dissolved	U		0.000100	0.00200	1	02/26/2025 13:03	WG2457449
Lead,Dissolved	U		0.000500	0.00200	1	02/26/2025 13:03	WG2457449
Molybdenum,Dissolved	0.00788		0.000500	0.00500	1	02/26/2025 13:03	WG2457449
Nickel,Dissolved	U		0.000500	0.00200	1	02/26/2025 13:03	WG2457449
Selenium,Dissolved	0.000663	J	0.000250	0.00200	1	02/26/2025 13:03	WG2457449
Silver,Dissolved	U		0.000110	0.00200	1	02/26/2025 13:03	WG2457449
Thallium,Dissolved	U		0.000130	0.00200	1	02/26/2025 13:03	WG2457449
Vanadium,Dissolved	0.0152		0.000520	0.00500	1	02/26/2025 13:03	WG2457449
Zinc,Dissolved	0.126		0.00400	0.0250	1	02/26/2025 13:03	WG2457449

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPHG C5 - C12	U		0.0304	0.100	1	02/22/2025 00:21	WG2456082
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*78.0-120*		*02/22/2025 00:21*	WG2456082

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	02/22/2025 18:09	WG2456282
Acrolein	U		0.00254	0.0500	1	02/22/2025 18:09	WG2456282
Acrylonitrile	U		0.000671	0.0100	1	02/22/2025 18:09	WG2456282
Benzene	U		0.0000941	0.00100	1	02/22/2025 18:09	WG2456282
Bromobenzene	U		0.000118	0.00100	1	02/22/2025 18:09	WG2456282
Bromodichloromethane	U		0.000136	0.00100	1	02/22/2025 18:09	WG2456282
Bromoform	U		0.000129	0.00100	1	02/22/2025 18:09	WG2456282
Bromomethane	U		0.000605	0.00500	1	02/22/2025 18:09	WG2456282
n-Butylbenzene	U		0.000157	0.00100	1	02/22/2025 18:09	WG2456282
sec-Butylbenzene	U		0.000125	0.00100	1	02/22/2025 18:09	WG2456282
tert-Butylbenzene	U		0.000127	0.00100	1	02/22/2025 18:09	WG2456282
Carbon tetrachloride	U		0.000128	0.00100	1	02/22/2025 18:09	WG2456282
Chlorobenzene	U		0.000116	0.00100	1	02/22/2025 18:09	WG2456282
Chlorodibromomethane	U		0.000140	0.00100	1	02/22/2025 18:09	WG2456282
Chloroethane	U		0.000192	0.00500	1	02/22/2025 18:09	WG2456282
Chloroform	U		0.000111	0.00500	1	02/22/2025 18:09	WG2456282
Chloromethane	U		0.000960	0.00250	1	02/22/2025 18:09	WG2456282
2-Chlorotoluene	U		0.000106	0.00100	1	02/22/2025 18:09	WG2456282
4-Chlorotoluene	U		0.000114	0.00100	1	02/22/2025 18:09	WG2456282
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	02/22/2025 18:09	WG2456282
1,2-Dibromoethane	U		0.000126	0.00100	1	02/22/2025 18:09	WG2456282
Dibromomethane	U		0.000122	0.00100	1	02/22/2025 18:09	WG2456282
1,2-Dichlorobenzene	U		0.000107	0.00100	1	02/22/2025 18:09	WG2456282

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	U		0.000110	0.00100	1	02/22/2025 18:09	WG2456282
1,4-Dichlorobenzene	U		0.000120	0.00100	1	02/22/2025 18:09	WG2456282
Dichlorodifluoromethane	U		0.000374	0.00500	1	02/22/2025 18:09	WG2456282
1,1-Dichloroethane	U		0.000100	0.00100	1	02/22/2025 18:09	WG2456282
1,2-Dichloroethane	U		0.0000819	0.00100	1	02/22/2025 18:09	WG2456282
1,1-Dichloroethene	U		0.000188	0.00100	1	02/22/2025 18:09	WG2456282
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	02/22/2025 18:09	WG2456282
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	02/22/2025 18:09	WG2456282
1,2-Dichloropropane	U		0.000149	0.00100	1	02/22/2025 18:09	WG2456282
1,1-Dichloropropene	U		0.000142	0.00100	1	02/22/2025 18:09	WG2456282
1,3-Dichloropropane	U		0.000110	0.00100	1	02/22/2025 18:09	WG2456282
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	02/22/2025 18:09	WG2456282
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	02/22/2025 18:09	WG2456282
2,2-Dichloropropane	U		0.000161	0.00100	1	02/22/2025 18:09	WG2456282
Di-isopropyl ether	U		0.000105	0.00100	1	02/22/2025 18:09	WG2456282
Ethylbenzene	U		0.000137	0.00100	1	02/25/2025 01:35	WG2457113
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	02/22/2025 18:09	WG2456282
Isopropylbenzene	U		0.000105	0.00100	1	02/22/2025 18:09	WG2456282
p-Isopropyltoluene	U		0.000120	0.00100	1	02/22/2025 18:09	WG2456282
2-Butanone (MEK)	U		0.00119	0.0100	1	02/22/2025 18:09	WG2456282
Methylene Chloride	U		0.000430	0.00500	1	02/22/2025 18:09	WG2456282
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	02/22/2025 18:09	WG2456282
Methyl tert-butyl ether	U		0.000101	0.00100	1	02/22/2025 18:09	WG2456282
Naphthalene	U		0.00100	0.00500	1	02/22/2025 18:09	WG2456282
n-Propylbenzene	U		0.0000993	0.00100	1	02/22/2025 18:09	WG2456282
Styrene	U		0.000118	0.00100	1	02/22/2025 18:09	WG2456282
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	02/22/2025 18:09	WG2456282
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	02/22/2025 18:09	WG2456282
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	02/22/2025 18:09	WG2456282
Tetrachloroethene	U		0.000300	0.00100	1	02/22/2025 18:09	WG2456282
Toluene	U		0.000278	0.00100	1	02/25/2025 01:35	WG2457113
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	02/22/2025 18:09	WG2456282
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	02/22/2025 18:09	WG2456282
1,1,1-Trichloroethane	U		0.000149	0.00100	1	02/22/2025 18:09	WG2456282
1,1,2-Trichloroethane	U		0.000158	0.00100	1	02/22/2025 18:09	WG2456282
Trichloroethene	U		0.000190	0.00100	1	02/22/2025 18:09	WG2456282
Trichlorofluoromethane	U		0.000160	0.00500	1	02/22/2025 18:09	WG2456282
1,2,3-Trichloropropane	U		0.000237	0.00250	1	02/22/2025 18:09	WG2456282
1,2,4-Trimethylbenzene	0.000484	J	0.000322	0.00100	1	02/22/2025 18:09	WG2456282
1,2,3-Trimethylbenzene	0.000138	J	0.000104	0.00100	1	02/22/2025 18:09	WG2456282
1,3,5-Trimethylbenzene	0.000163	J	0.000104	0.00100	1	02/22/2025 18:09	WG2456282
Vinyl chloride	U		0.000234	0.00100	1	02/22/2025 18:09	WG2456282
Xylenes, Total	U		0.000174	0.00300	1	02/25/2025 01:35	WG2457113
(S) Toluene-d8	*101*			*80.0-120*		*02/22/2025 18:09*	WG2456282
(S) Toluene-d8	*106*			*80.0-120*		*02/25/2025 01:35*	WG2457113
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*02/22/2025 18:09*	WG2456282
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*02/25/2025 01:35*	WG2457113
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*02/22/2025 18:09*	WG2456282
(S) 1,2-Dichloroethane-d4	*85.9*			*70.0-130*		*02/25/2025 01:35*	WG2457113

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.0670	0.100	1	02/27/2025 13:57	WG2457404
C22-C32 Hydrocarbons	U		0.0670	0.100	1	02/27/2025 13:57	WG2457404
C32-C40 Hydrocarbons	U		0.0670	0.100	1	02/27/2025 13:57	WG2457404

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*145*			*52.0-156*		*02/27/2025 13:57*	WG2457404

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acenaphthene	U		0.0000886	0.00100	1	02/28/2025 09:16	WG2456497
Acenaphthylene	U		0.0000921	0.00100	1	02/28/2025 09:16	WG2456497
Anthracene	U		0.0000804	0.00100	1	02/28/2025 09:16	WG2456497
Benzidine	U	J4	0.00374	0.0100	1	02/28/2025 09:16	WG2456497
Benzo(a)anthracene	U		0.000199	0.00100	1	02/28/2025 09:16	WG2456497
Benzo(b)fluoranthene	U		0.000130	0.00100	1	02/28/2025 09:16	WG2456497
Benzo(k)fluoranthene	U		0.000120	0.00100	1	02/28/2025 09:16	WG2456497
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	02/28/2025 09:16	WG2456497
Benzo(a)pyrene	U		0.0000381	0.00100	1	02/28/2025 09:16	WG2456497
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	02/28/2025 09:16	WG2456497
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	02/28/2025 09:16	WG2456497
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	02/28/2025 09:16	WG2456497
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	02/28/2025 09:16	WG2456497
2-Chloronaphthalene	U		0.0000648	0.00100	1	02/28/2025 09:16	WG2456497
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	02/28/2025 09:16	WG2456497
Chrysene	U		0.000130	0.00100	1	02/28/2025 09:16	WG2456497
Dibenz(a,h)anthracene	U		0.0000644	0.00100	1	02/28/2025 09:16	WG2456497
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	02/28/2025 09:16	WG2456497
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	02/28/2025 09:16	WG2456497
2,6-Dinitrotoluene	U		0.000250	0.0100	1	02/28/2025 09:16	WG2456497
Fluoranthene	U		0.000102	0.00100	1	02/28/2025 09:16	WG2456497
Fluorene	U		0.0000844	0.00100	1	02/28/2025 09:16	WG2456497
Hexachlorobenzene	U		0.0000755	0.00100	1	02/28/2025 09:16	WG2456497
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	02/28/2025 09:16	WG2456497
Hexachlorocyclopentadiene	U	C3	0.0000598	0.0100	1	02/28/2025 09:16	WG2456497
Hexachloroethane	U		0.000127	0.0100	1	02/28/2025 09:16	WG2456497
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	02/28/2025 09:16	WG2456497
Isophorone	U		0.000143	0.0100	1	02/28/2025 09:16	WG2456497
Naphthalene	U		0.000159	0.00100	1	02/28/2025 09:16	WG2456497
Nitrobenzene	U		0.000297	0.0100	1	02/28/2025 09:16	WG2456497
n-Nitrosodimethylamine	U		0.000998	0.0100	1	02/28/2025 09:16	WG2456497
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	02/28/2025 09:16	WG2456497
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	02/28/2025 09:16	WG2456497
Phenanthrene	U		0.000112	0.00100	1	02/28/2025 09:16	WG2456497
Benzylbutyl phthalate	U		0.000765	0.00300	1	02/28/2025 09:16	WG2456497
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	02/28/2025 09:16	WG2456497
Di-n-butyl phthalate	U		0.000453	0.00300	1	02/28/2025 09:16	WG2456497
Diethyl phthalate	U		0.000287	0.00300	1	02/28/2025 09:16	WG2456497
Dimethyl phthalate	U		0.000260	0.00300	1	02/28/2025 09:16	WG2456497
Di-n-octyl phthalate	U		0.000932	0.00300	1	02/28/2025 09:16	WG2456497
Pyrene	U		0.000107	0.00100	1	02/28/2025 09:16	WG2456497
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	02/28/2025 09:16	WG2456497
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	02/28/2025 09:16	WG2456497
2-Chlorophenol	U		0.000133	0.0100	1	02/28/2025 09:16	WG2456497
2,4-Dichlorophenol	U		0.000102	0.0100	1	02/28/2025 09:16	WG2456497
2,4-Dimethylphenol	U		0.0000636	0.0100	1	02/28/2025 09:16	WG2456497
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	02/28/2025 09:16	WG2456497
2,4-Dinitrophenol	U		0.00593	0.0100	1	02/28/2025 09:16	WG2456497
2-Nitrophenol	U		0.000117	0.0100	1	02/28/2025 09:16	WG2456497
4-Nitrophenol	U		0.000143	0.0100	1	02/28/2025 09:16	WG2456497
Pentachlorophenol	U		0.000313	0.0100	1	02/28/2025 09:16	WG2456497

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Phenol	U		0.00433	0.0100	1	02/28/2025 09:16	WG2456497
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	02/28/2025 09:16	WG2456497
(S) 2-Fluorophenol	*28.1*			*10.0-120*		*02/28/2025 09:16*	WG2456497
(S) Phenol-d5	*21.5*			*10.0-120*		*02/28/2025 09:16*	WG2456497
(S) Nitrobenzene-d5	*53.0*			*10.0-127*		*02/28/2025 09:16*	WG2456497
(S) 2-Fluorobiphenyl	*49.7*			*10.0-130*		*02/28/2025 09:16*	WG2456497
(S) 2,4,6-Tribromophenol	*70.9*			*10.0-155*		*02/28/2025 09:16*	WG2456497
(S) p-Terphenyl-d14	*95.8*			*10.0-128*		*02/28/2025 09:16*	WG2456497

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.0		1	02/22/2025 10:42	WG2456122

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0214	0.0416	1	02/23/2025 18:31	WG2455969

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.719	2.08	1	02/24/2025 11:54	WG2456531
Arsenic	2.10		0.871	2.08	1	02/24/2025 11:54	WG2456531
Barium	24.6		0.0885	0.521	1	02/24/2025 11:54	WG2456531
Beryllium	0.140	J	0.0497	0.208	1	02/24/2025 11:54	WG2456531
Cadmium	0.0714	J	0.0680	0.521	1	02/24/2025 11:54	WG2456531
Chromium	5.63		0.223	1.04	1	02/24/2025 11:54	WG2456531
Cobalt	2.95		0.184	1.04	1	02/24/2025 11:54	WG2456531
Copper	6.00		0.372	2.08	1	02/24/2025 11:54	WG2456531
Lead	3.45		0.339	0.521	1	02/24/2025 11:54	WG2456531
Molybdenum	0.327	B J	0.0177	0.521	1	02/24/2025 11:54	WG2456531
Nickel	3.09		0.208	2.08	1	02/24/2025 11:54	WG2456531
Selenium	U		1.11	2.08	1	02/24/2025 11:54	WG2456531
Silver	U		0.132	1.04	1	02/24/2025 11:54	WG2456531
Thallium	U		0.539	2.08	1	02/24/2025 11:54	WG2456531
Vanadium	21.1		0.399	2.08	1	02/24/2025 11:54	WG2456531
Zinc	14.0		1.01	5.21	1	02/24/2025 11:54	WG2456531

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		0.900	2.71	25	02/23/2025 13:13	WG2456577
(S) a,a,a-Trifluorotoluene(FID)	*96.8*			*77.0-120*		*02/23/2025 13:13*	WG2456577

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0396	0.0542	1	02/23/2025 14:30	WG2456603
Acrylonitrile	U		0.00392	0.0136	1	02/23/2025 14:30	WG2456603
Benzene	U		0.000507	0.00108	1	02/23/2025 14:30	WG2456603
Bromobenzene	U		0.000976	0.0136	1	02/23/2025 14:30	WG2456603
Bromodichloromethane	U		0.000786	0.00271	1	02/23/2025 14:30	WG2456603
Bromoform	U		0.00127	0.0271	1	02/23/2025 14:30	WG2456603
Bromomethane	U	C3	0.00214	0.0136	1	02/23/2025 14:30	WG2456603
n-Butylbenzene	U		0.00569	0.0136	1	02/23/2025 14:30	WG2456603
sec-Butylbenzene	U		0.00312	0.0136	1	02/23/2025 14:30	WG2456603
tert-Butylbenzene	U		0.00212	0.00542	1	02/23/2025 14:30	WG2456603
Carbon tetrachloride	U		0.000974	0.00542	1	02/23/2025 14:30	WG2456603
Chlorobenzene	U		0.000228	0.00271	1	02/23/2025 14:30	WG2456603
Chlorodibromomethane	U		0.000664	0.00271	1	02/23/2025 14:30	WG2456603
Chloroethane	U		0.00184	0.00542	1	02/23/2025 14:30	WG2456603
Chloroform	U		0.00112	0.00271	1	02/23/2025 14:30	WG2456603
Chloromethane	U		0.00472	0.0136	1	02/23/2025 14:30	WG2456603
2-Chlorotoluene	U		0.000938	0.00271	1	02/23/2025 14:30	WG2456603

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorotoluene	U		0.000488	0.00542	1	02/23/2025 14:30	WG2456603
1,2-Dibromo-3-Chloropropane	U		0.00423	0.0271	1	02/23/2025 14:30	WG2456603
1,2-Dibromoethane	U		0.000703	0.00271	1	02/23/2025 14:30	WG2456603
Dibromomethane	U		0.000813	0.00542	1	02/23/2025 14:30	WG2456603
1,2-Dichlorobenzene	U		0.000461	0.00542	1	02/23/2025 14:30	WG2456603
1,3-Dichlorobenzene	U		0.000651	0.00542	1	02/23/2025 14:30	WG2456603
1,4-Dichlorobenzene	U		0.000759	0.00542	1	02/23/2025 14:30	WG2456603
Dichlorodifluoromethane	U	C3	0.00175	0.00542	1	02/23/2025 14:30	WG2456603
1,1-Dichloroethane	U		0.000533	0.00271	1	02/23/2025 14:30	WG2456603
1,2-Dichloroethane	U		0.000704	0.00271	1	02/23/2025 14:30	WG2456603
1,1-Dichloroethene	U		0.000657	0.00271	1	02/23/2025 14:30	WG2456603
cis-1,2-Dichloroethene	U		0.000796	0.00271	1	02/23/2025 14:30	WG2456603
trans-1,2-Dichloroethene	U		0.00113	0.00542	1	02/23/2025 14:30	WG2456603
1,2-Dichloropropane	U		0.00154	0.00542	1	02/23/2025 14:30	WG2456603
1,1-Dichloropropene	U		0.000877	0.00271	1	02/23/2025 14:30	WG2456603
1,3-Dichloropropane	U		0.000543	0.00542	1	02/23/2025 14:30	WG2456603
cis-1,3-Dichloropropene	U		0.000821	0.00271	1	02/23/2025 14:30	WG2456603
trans-1,3-Dichloropropene	U		0.00124	0.00542	1	02/23/2025 14:30	WG2456603
2,2-Dichloropropane	U		0.00150	0.00271	1	02/23/2025 14:30	WG2456603
Di-isopropyl ether	U		0.000445	0.00108	1	02/23/2025 14:30	WG2456603
Ethylbenzene	U		0.000799	0.00271	1	02/23/2025 14:30	WG2456603
Hexachloro-1,3-butadiene	U		0.00651	0.0271	1	02/23/2025 14:30	WG2456603
Isopropylbenzene	U		0.000461	0.00271	1	02/23/2025 14:30	WG2456603
p-Isopropyltoluene	U		0.00277	0.00542	1	02/23/2025 14:30	WG2456603
2-Butanone (MEK)	U		0.0689	0.108	1	02/23/2025 14:30	WG2456603
Methylene Chloride	U		0.00720	0.0271	1	02/23/2025 14:30	WG2456603
4-Methyl-2-pentanone (MIBK)	U		0.00247	0.0271	1	02/23/2025 14:30	WG2456603
Methyl tert-butyl ether	U		0.000380	0.00108	1	02/23/2025 14:30	WG2456603
Naphthalene	U		0.00529	0.0136	1	02/23/2025 14:30	WG2456603
n-Propylbenzene	U		0.00103	0.00542	1	02/23/2025 14:30	WG2456603
Styrene	U		0.000248	0.0136	1	02/23/2025 14:30	WG2456603
1,1,1,2-Tetrachloroethane	U		0.00103	0.00271	1	02/23/2025 14:30	WG2456603
1,1,2,2-Tetrachloroethane	U		0.000754	0.00271	1	02/23/2025 14:30	WG2456603
1,1,2-Trichlorotrifluoroethane	U		0.000818	0.00271	1	02/23/2025 14:30	WG2456603
Tetrachloroethene	U		0.000972	0.00271	1	02/23/2025 14:30	WG2456603
Toluene	U		0.00141	0.00542	1	02/23/2025 14:30	WG2456603
1,2,3-Trichlorobenzene	U	C3	0.00795	0.0136	1	02/23/2025 14:30	WG2456603
1,2,4-Trichlorobenzene	U	C3	0.00477	0.0136	1	02/23/2025 14:30	WG2456603
1,1,1-Trichloroethane	U		0.00100	0.00271	1	02/23/2025 14:30	WG2456603
1,1,2-Trichloroethane	U		0.000648	0.00271	1	02/23/2025 14:30	WG2456603
Trichloroethene	U		0.000633	0.00108	1	02/23/2025 14:30	WG2456603
Trichlorofluoromethane	U		0.000897	0.00271	1	02/23/2025 14:30	WG2456603
1,2,3-Trichloropropane	U		0.00176	0.0136	1	02/23/2025 14:30	WG2456603
1,2,4-Trimethylbenzene	U		0.00171	0.00542	1	02/23/2025 14:30	WG2456603
1,2,3-Trimethylbenzene	U		0.00171	0.00542	1	02/23/2025 14:30	WG2456603
Vinyl chloride	U	C3	0.00126	0.00271	1	02/23/2025 14:30	WG2456603
1,3,5-Trimethylbenzene	U		0.00217	0.00542	1	02/23/2025 14:30	WG2456603
Xylenes, Total	U		0.000954	0.00705	1	02/23/2025 14:30	WG2456603
(S) Toluene-d8	*95.3*			*75.0-131*		*02/23/2025 14:30*	WG2456603
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*		*02/23/2025 14:30*	WG2456603
(S) 1,2-Dichloroethane-d4	*87.3*			*70.0-130*		*02/23/2025 14:30*	WG2456603

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	158		5.27	8.33	2	02/28/2025 10:02	WG2458775
C22-C32 Hydrocarbons	55.2		5.27	8.33	2	02/28/2025 10:02	WG2458775
C32-C40 Hydrocarbons	23.7		5.27	8.33	2	02/28/2025 10:02	WG2458775
(S) o-Terphenyl	*70.5*			*18.0-148*		*02/28/2025 10:02*	WG2458775

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00561	0.0347	1	02/27/2025 03:09	WG2457415
Acenaphthylene	U		0.00488	0.0347	1	02/27/2025 03:09	WG2457415
Anthracene	U		0.00617	0.0347	1	02/27/2025 03:09	WG2457415
Benzidine	U	C3	0.0652	1.74	1	02/27/2025 03:09	WG2457415
Benzo(a)anthracene	U		0.00611	0.0347	1	02/27/2025 03:09	WG2457415
Benzo(b)fluoranthene	U		0.00647	0.0347	1	02/27/2025 03:09	WG2457415
Benzo(k)fluoranthene	U		0.00616	0.0347	1	02/27/2025 03:09	WG2457415
Benzo(g,h,i)perylene	U		0.00634	0.0347	1	02/27/2025 03:09	WG2457415
Benzo(a)pyrene	U		0.00644	0.0347	1	02/27/2025 03:09	WG2457415
Bis(2-chlorethoxy)methane	U		0.0104	0.347	1	02/27/2025 03:09	WG2457415
Bis(2-chloroethyl)ether	U		0.0115	0.347	1	02/27/2025 03:09	WG2457415
2,2-Oxybis(1-Chloropropane)	U		0.0150	0.347	1	02/27/2025 03:09	WG2457415
4-Bromophenyl-phenylether	U		0.0122	0.347	1	02/27/2025 03:09	WG2457415
2-Chloronaphthalene	U		0.00609	0.0347	1	02/27/2025 03:09	WG2457415
4-Chlorophenyl-phenylether	U		0.0121	0.347	1	02/27/2025 03:09	WG2457415
Chrysene	U		0.00689	0.0347	1	02/27/2025 03:09	WG2457415
Dibenz(a,h)anthracene	U		0.00961	0.0347	1	02/27/2025 03:09	WG2457415
3,3-Dichlorobenzidine	U		0.0128	0.347	1	02/27/2025 03:09	WG2457415
2,4-Dinitrotoluene	U		0.00994	0.347	1	02/27/2025 03:09	WG2457415
2,6-Dinitrotoluene	U		0.0113	0.347	1	02/27/2025 03:09	WG2457415
Fluoranthene	U		0.00626	0.0347	1	02/27/2025 03:09	WG2457415
Fluorene	U		0.00564	0.0347	1	02/27/2025 03:09	WG2457415
Hexachlorobenzene	U		0.0123	0.347	1	02/27/2025 03:09	WG2457415
Hexachloro-1,3-butadiene	U		0.0117	0.347	1	02/27/2025 03:09	WG2457415
Hexachlorocyclopentadiene	U		0.0182	0.347	1	02/27/2025 03:09	WG2457415
Hexachloroethane	U		0.0136	0.347	1	02/27/2025 03:09	WG2457415
Indeno(1,2,3-cd)pyrene	U		0.00980	0.0347	1	02/27/2025 03:09	WG2457415
Isophorone	U		0.0106	0.347	1	02/27/2025 03:09	WG2457415
Naphthalene	U		0.00870	0.0347	1	02/27/2025 03:09	WG2457415
Nitrobenzene	U		0.0121	0.347	1	02/27/2025 03:09	WG2457415
n-Nitrosodimethylamine	U		0.0514	0.347	1	02/27/2025 03:09	WG2457415
n-Nitrosodiphenylamine	U		0.0262	0.347	1	02/27/2025 03:09	WG2457415
n-Nitrosodi-n-propylamine	U		0.0116	0.347	1	02/27/2025 03:09	WG2457415
Phenanthrene	U		0.00688	0.0347	1	02/27/2025 03:09	WG2457415
Benzylbutyl phthalate	U		0.0108	0.347	1	02/27/2025 03:09	WG2457415
Bis(2-ethylhexyl)phthalate	U		0.0439	0.347	1	02/27/2025 03:09	WG2457415
Di-n-butyl phthalate	U		0.0119	0.347	1	02/27/2025 03:09	WG2457415
Diethyl phthalate	U		0.0115	0.347	1	02/27/2025 03:09	WG2457415
Dimethyl phthalate	U		0.0735	0.347	1	02/27/2025 03:09	WG2457415
Di-n-octyl phthalate	U		0.0234	0.347	1	02/27/2025 03:09	WG2457415
Pyrene	U		0.00675	0.0347	1	02/27/2025 03:09	WG2457415
1,2,4-Trichlorobenzene	U		0.0108	0.347	1	02/27/2025 03:09	WG2457415
4-Chloro-3-methylphenol	U		0.0112	0.347	1	02/27/2025 03:09	WG2457415
2-Chlorophenol	U		0.0115	0.347	1	02/27/2025 03:09	WG2457415
2,4-Dichlorophenol	U		0.0101	0.347	1	02/27/2025 03:09	WG2457415
2,4-Dimethylphenol	U		0.00906	0.347	1	02/27/2025 03:09	WG2457415
4,6-Dinitro-2-methylphenol	U		0.0786	0.347	1	02/27/2025 03:09	WG2457415
2,4-Dinitrophenol	U		0.0811	0.347	1	02/27/2025 03:09	WG2457415

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	U		0.0104	0.347	1	02/27/2025 03:09	WG2457415
3&4-Methyl Phenol	U		0.0108	0.347	1	02/27/2025 03:09	WG2457415
2-Nitrophenol	U		0.0124	0.347	1	02/27/2025 03:09	WG2457415
4-Nitrophenol	U		0.0108	0.347	1	02/27/2025 03:09	WG2457415
Pentachlorophenol	U		0.00933	0.347	1	02/27/2025 03:09	WG2457415
Pyridine	U		0.0229	0.347	1	02/27/2025 03:09	WG2457415
2,4,5-Trichlorophenol	U		0.0118	0.347	1	02/27/2025 03:09	WG2457415
2,4,6-Trichlorophenol	U		0.0111	0.347	1	02/27/2025 03:09	WG2457415
Phenol	U		0.0140	0.347	1	02/27/2025 03:09	WG2457415
(S) 2-Fluorophenol	*80.4*			*12.0-120*		*02/27/2025 03:09*	WG2457415
(S) Phenol-d5	*74.8*			*10.0-120*		*02/27/2025 03:09*	WG2457415
(S) Nitrobenzene-d5	*79.4*			*10.0-122*		*02/27/2025 03:09*	WG2457415
(S) 2-Fluorobiphenyl	*81.3*			*15.0-120*		*02/27/2025 03:09*	WG2457415
(S) 2,4,6-Tribromophenol	*94.8*			*10.0-127*		*02/27/2025 03:09*	WG2457415
(S) p-Terphenyl-d14	*86.5*			*10.0-120*		*02/27/2025 03:09*	WG2457415

Method Blank (MB)

(MB) R4179097-1 02/21/25 17:27

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1828468-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1828468-01 02/21/25 17:27 • (DUP) R4179097-3 02/21/25 17:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.5	98.3	1	0.150		10

Laboratory Control Sample (LCS)

(LCS) R4179097-2 02/21/25 17:27

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.1	100	90.0-110	

Method Blank (MB)

(MB) R4179381-1 02/22/25 10:42

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1828473-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1828473-01 02/22/25 10:42 • (DUP) R4179381-3 02/22/25 10:42

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.8	93.7	1	1.18		10

Laboratory Control Sample (LCS)

(LCS) R4179381-2 02/22/25 10:42

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4180473-1 02/26/25 11:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4180473-2 02/26/25 11:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00319	106	80.0-120	

L1828595-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828595-10 02/26/25 11:51 • (MS) R4180473-4 02/26/25 11:56 • (MSD) R4180473-5 02/26/25 11:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00309	0.00306	103	102	1	75.0-125			1.23	20

Method Blank (MB)

(MB) R4179325-1 02/23/25 18:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0206	0.0400

Laboratory Control Sample (LCS)

(LCS) R4179325-2 02/23/25 18:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.480	95.9	80.0-120	

L1828473-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828473-01 02/23/25 18:08 • (MS) R4179325-4 02/23/25 18:13 • (MSD) R4179325-5 02/23/25 18:15

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.527	U	0.509	0.544	96.5	103	1	75.0-125			6.59	20

Method Blank (MB)

(MB) R4179310-1 02/23/25 15:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0206	0.0400

Laboratory Control Sample (LCS)

(LCS) R4179310-2 02/23/25 15:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.507	101	80.0-120	

L1828604-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828604-07 02/23/25 15:26 • (MS) R4179310-4 02/23/25 15:32 • (MSD) R4179310-5 02/23/25 15:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.500	0.336	0.808	0.920	94.5	117	1	75.0-125			12.9	20

Method Blank (MB)

(MB) R4180148-1 02/25/25 20:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0206	0.0400

Laboratory Control Sample (LCS)

(LCS) R4180148-2 02/25/25 20:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.498	99.6	80.0-120	

L1828709-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828709-04 02/25/25 20:12 • (MS) R4180148-4 02/25/25 20:17 • (MSD) R4180148-5 02/25/25 20:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.614	U	0.554	0.576	90.2	93.8	1	75.0-125			3.88	20

Method Blank (MB)

(MB) R4179284-1 02/23/25 08:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.691	2.00
Arsenic	U		0.837	2.00
Barium	U		0.0850	0.500
Beryllium	U		0.0477	0.200
Cadmium	U		0.0653	0.500
Chromium	U		0.214	1.00
Cobalt	U		0.177	1.00
Copper	U		0.357	2.00
Lead	U		0.326	0.500
Molybdenum	U		0.0170	0.500
Nickel	U		0.200	2.00
Selenium	U		1.07	2.00
Silver	U		0.127	1.00
Thallium	U		0.518	2.00
Vanadium	U		0.383	2.00
Zinc	U		0.974	5.00

Laboratory Control Sample (LCS)

(LCS) R4179284-2 02/23/25 08:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	100	100	80.0-120	
Arsenic	100	100	100	80.0-120	
Barium	100	103	103	80.0-120	
Beryllium	100	104	104	80.0-120	
Cadmium	100	98.9	98.9	80.0-120	
Chromium	100	103	103	80.0-120	
Cobalt	100	97.5	97.5	80.0-120	
Copper	100	106	106	80.0-120	
Lead	100	98.5	98.5	80.0-120	
Molybdenum	100	103	103	80.0-120	
Nickel	100	97.5	97.5	80.0-120	
Selenium	100	98.0	98.0	80.0-120	
Silver	20.0	22.2	111	80.0-120	
Thallium	100	102	102	80.0-120	
Vanadium	100	101	101	80.0-120	
Zinc	100	101	101	80.0-120	

L1828473-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828473-01 02/23/25 08:43 • (MS) R4179284-5 02/23/25 08:48 • (MSD) R4179284-6 02/23/25 08:49

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg				%	%		%			%	%
Antimony	105	0.805	92.2	92.2	86.7	86.7	1	75.0-125			0.00908	20
Arsenic	105	3.22	104	106	95.1	97.1	1	75.0-125			1.93	20
Barium	105	68.5	157	185	83.6	111	1	75.0-125			16.7	20
Beryllium	105	0.278	103	106	97.5	100	1	75.0-125			2.74	20
Cadmium	105	U	101	104	96.0	98.8	1	75.0-125			2.83	20
Chromium	105	9.85	112	115	96.8	99.5	1	75.0-125			2.47	20
Cobalt	105	5.44	108	109	96.9	98.6	1	75.0-125			1.70	20
Copper	105	8.77	113	117	99.3	102	1	75.0-125			2.78	20
Lead	105	4.19	106	108	96.4	98.5	1	75.0-125			2.07	20
Molybdenum	105	0.254	103	105	97.2	99.4	1	75.0-125			2.30	20
Nickel	105	6.24	109	111	97.1	99.2	1	75.0-125			2.01	20
Selenium	105	U	100	103	94.8	97.4	1	75.0-125			2.75	20
Silver	21.1	U	22.4	23.0	106	109	1	75.0-125			2.83	20
Thallium	105	U	102	105	96.8	100	1	75.0-125			3.20	20
Vanadium	105	29.7	129	131	94.2	96.4	1	75.0-125			1.76	20
Zinc	105	26.3	126	128	94.6	96.5	1	75.0-125			1.55	20

Method Blank (MB)

(MB) R4179530-1 02/24/25 11:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.691	2.00
Arsenic	U		0.837	2.00
Barium	U		0.0850	0.500
Beryllium	U		0.0477	0.200
Cadmium	U		0.0653	0.500
Chromium	U		0.214	1.00
Cobalt	U		0.177	1.00
Copper	U		0.357	2.00
Lead	U		0.326	0.500
Molybdenum	0.140	J	0.0170	0.500
Nickel	U		0.200	2.00
Selenium	U		1.07	2.00
Silver	U		0.127	1.00
Thallium	U		0.518	2.00
Vanadium	U		0.383	2.00
Zinc	U		0.974	5.00

Laboratory Control Sample (LCS)

(LCS) R4179530-2 02/24/25 11:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	89.7	89.7	80.0-120	
Arsenic	100	92.3	92.3	80.0-120	
Barium	100	97.2	97.2	80.0-120	
Beryllium	100	93.1	93.1	80.0-120	
Cadmium	100	91.5	91.5	80.0-120	
Chromium	100	96.4	96.4	80.0-120	
Cobalt	100	89.3	89.3	80.0-120	
Copper	100	96.6	96.6	80.0-120	
Lead	100	90.8	90.8	80.0-120	
Molybdenum	100	96.3	96.3	80.0-120	
Nickel	100	90.1	90.1	80.0-120	
Selenium	100	88.1	88.1	80.0-120	
Silver	20.0	18.9	94.4	80.0-120	
Thallium	100	95.6	95.6	80.0-120	
Vanadium	100	90.7	90.7	80.0-120	
Zinc	100	92.9	92.9	80.0-120	

L1828505-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828505-01 02/24/25 11:32 • (MS) R4179530-5 02/24/25 11:37 • (MSD) R4179530-6 02/24/25 11:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	107	U	82.6	96.5	77.2	90.1	1	75.0-125			15.5	20
Arsenic	107	2.53	92.0	108	83.5	98.5	1	75.0-125			16.0	20
Barium	107	51.7	141	157	83.5	98.5	1	75.0-125			10.8	20
Beryllium	107	0.192	90.6	106	84.4	99.0	1	75.0-125			15.8	20
Cadmium	107	0.0787	86.9	100	81.1	93.6	1	75.0-125			14.2	20
Chromium	107	8.66	101	119	86.5	103	1	75.0-125			16.0	20
Cobalt	107	4.76	91.2	107	80.7	95.9	1	75.0-125			16.4	20
Copper	107	6.87	100	118	87.1	103	1	75.0-125			16.0	20
Lead	107	4.59	91.5	106	81.2	95.0	1	75.0-125			15.0	20
Molybdenum	107	0.681	92.7	109	85.9	101	1	75.0-125			16.2	20
Nickel	107	4.67	90.8	107	80.4	95.4	1	75.0-125			16.2	20
Selenium	107	U	86.2	101	80.5	94.7	1	75.0-125			16.2	20
Silver	21.4	U	18.8	22.0	87.8	103	1	75.0-125			15.5	20
Thallium	107	U	91.0	105	85.0	98.3	1	75.0-125			14.5	20
Vanadium	107	27.4	114	131	80.6	97.0	1	75.0-125			14.3	20
Zinc	107	25.9	112	131	80.8	98.0	1	75.0-125			15.1	20

Method Blank (MB)

(MB) R4180458-1 02/26/25 12:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000120	0.00200
Barium,Dissolved	U		0.000500	0.00200
Cadmium,Dissolved	U		0.000120	0.00100
Chromium,Dissolved	U		0.000900	0.00200
Copper,Dissolved	U		0.000700	0.00500
Cobalt,Dissolved	U		0.000100	0.00200
Lead,Dissolved	U		0.000500	0.00200
Molybdenum,Dissolved	U		0.000500	0.00500
Nickel,Dissolved	U		0.000500	0.00200
Selenium,Dissolved	U		0.000250	0.00200
Silver,Dissolved	U		0.000110	0.00200
Thallium,Dissolved	U		0.000130	0.00200
Vanadium,Dissolved	U		0.000520	0.00500
Zinc,Dissolved	U		0.00400	0.0250

Method Blank (MB)

(MB) R4180571-1 02/26/25 17:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony,Dissolved	U		0.000310	0.00400
Beryllium,Dissolved	U		0.000200	0.00200

Laboratory Control Sample (LCS)

(LCS) R4180458-2 02/26/25 12:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0469	93.8	80.0-120	
Barium,Dissolved	0.0500	0.0437	87.4	80.0-120	
Cadmium,Dissolved	0.0500	0.0496	99.1	80.0-120	
Chromium,Dissolved	0.0500	0.0490	97.9	80.0-120	
Copper,Dissolved	0.0500	0.0471	94.2	80.0-120	
Cobalt,Dissolved	0.0500	0.0484	96.8	80.0-120	
Lead,Dissolved	0.0500	0.0469	93.9	80.0-120	
Molybdenum,Dissolved	0.0500	0.0464	92.9	80.0-120	
Nickel,Dissolved	0.0500	0.0500	100	80.0-120	
Selenium,Dissolved	0.0500	0.0465	93.0	80.0-120	
Silver,Dissolved	0.0500	0.0456	91.3	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4180458-2 02/26/25 12:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Thallium,Dissolved	0.0500	0.0463	92.6	80.0-120	
Vanadium,Dissolved	0.0500	0.0478	95.5	80.0-120	
Zinc,Dissolved	0.0500	0.0483	96.6	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4180571-2 02/26/25 17:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	0.0500	0.0517	103	80.0-120	
Beryllium,Dissolved	0.0500	0.0475	95.0	80.0-120	

L1828468-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828468-11 02/26/25 12:50 • (MS) R4180458-4 02/26/25 12:56 • (MSD) R4180458-5 02/26/25 12:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0109	0.0578	0.0576	93.8	93.3	1	75.0-125			0.424	20
Barium,Dissolved	0.0500	0.0390	0.0831	0.0834	88.1	88.8	1	75.0-125			0.405	20
Cadmium,Dissolved	0.0500	U	0.0493	0.0490	98.6	98.0	1	75.0-125			0.699	20
Chromium,Dissolved	0.0500	0.00206	0.0494	0.0482	94.6	92.4	1	75.0-125			2.29	20
Copper,Dissolved	0.0500	0.00369	0.0504	0.0488	93.4	90.2	1	75.0-125			3.21	20
Cobalt,Dissolved	0.0500	U	0.0482	0.0470	96.4	93.9	1	75.0-125			2.60	20
Lead,Dissolved	0.0500	U	0.0460	0.0452	92.0	90.4	1	75.0-125			1.76	20
Molybdenum,Dissolved	0.0500	0.00846	0.0551	0.0551	93.2	93.2	1	75.0-125			0.000563	20
Nickel,Dissolved	0.0500	U	0.0484	0.0469	96.9	93.7	1	75.0-125			3.30	20
Selenium,Dissolved	0.0500	0.000327	0.0475	0.0449	94.4	89.2	1	75.0-125			5.62	20
Silver,Dissolved	0.0500	U	0.0460	0.0455	91.9	91.0	1	75.0-125			1.04	20
Thallium,Dissolved	0.0500	U	0.0448	0.0444	89.6	88.8	1	75.0-125			0.900	20
Vanadium,Dissolved	0.0500	0.0136	0.0601	0.0598	93.0	92.4	1	75.0-125			0.469	20
Zinc,Dissolved	0.0500	0.0378	0.0851	0.0838	94.7	92.2	1	75.0-125			1.50	20

L1828468-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828468-11 02/26/25 17:11 • (MS) R4180571-4 02/26/25 17:17 • (MSD) R4180571-5 02/26/25 17:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	0.0500	U	0.0519	0.0522	104	104	1	75.0-125			0.442	20
Beryllium,Dissolved	0.0500	U	0.0478	0.0463	95.5	92.6	1	75.0-125			3.08	20

Method Blank (MB)

(MB) R4179126-2 02/21/25 21:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPHG C5 - C12	U		0.0304	0.100
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179126-1 02/21/25 19:59 • (LCSD) R4179126-3 02/21/25 22:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	5.28	5.10	106	102	71.0-127			3.47	20
(S) a,a,a-Trifluorotoluene(FID)				*105*	*104*	*78.0-120*				

Method Blank (MB)

(MB) R4179852-3 02/23/25 10:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179852-1 02/23/25 09:11 • (LCSD) R4179852-2 02/23/25 09:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	5.05	4.30	101	86.0	72.0-125			16.0	20
(S) a,a,a-Trifluorotoluene(FID)				*97.7*	*97.2*	*77.0-120*				

Method Blank (MB)

(MB) R4179647-3 02/23/25 10:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179647-1 02/23/25 09:18 • (LCSD) R4179647-2 02/23/25 09:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	4.87	5.00	97.4	100	72.0-125			2.63	20
(S) a,a,a-Trifluorotoluene(FID)				*101*	*98.9*	*77.0-120*				

Method Blank (MB)

(MB) R4179499-3 02/22/25 11:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100
Isopropylbenzene	U		0.000105	0.00100

Method Blank (MB)

(MB) R4179499-3 02/22/25 11:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
Tetrachloroethene	U		0.000300	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
(S) Toluene-d8	*99.2*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179499-1 02/22/25 10:22 • (LCSD) R4179499-2 02/22/25 10:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0376	0.0293	150	117	19.0-160	J	J	24.8	27
Acrolein	0.0250	0.0295	0.0276	118	110	10.0-160	J	J	6.65	26
Acrylonitrile	0.0250	0.0320	0.0280	128	112	55.0-149			13.3	20
Benzene	0.00500	0.00504	0.00504	101	101	70.0-123			0.000	20
Bromobenzene	0.00500	0.00524	0.00508	105	102	73.0-121			3.10	20
Bromodichloromethane	0.00500	0.00498	0.00493	99.6	98.6	75.0-120			1.01	20
Bromoform	0.00500	0.00499	0.00495	99.8	99.0	68.0-132			0.805	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179499-1 02/22/25 10:22 • (LCSD) R4179499-2 02/22/25 10:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.00500	0.00504	0.00517	101	103	10.0-160			2.55	25
n-Butylbenzene	0.00500	0.00502	0.00512	100	102	73.0-125			1.97	20
sec-Butylbenzene	0.00500	0.00533	0.00531	107	106	75.0-125			0.376	20
tert-Butylbenzene	0.00500	0.00515	0.00520	103	104	76.0-124			0.966	20
Carbon tetrachloride	0.00500	0.00507	0.00520	101	104	68.0-126			2.53	20
Chlorobenzene	0.00500	0.00490	0.00491	98.0	98.2	80.0-121			0.204	20
Chlorodibromomethane	0.00500	0.00499	0.00472	99.8	94.4	77.0-125			5.56	20
Chloroethane	0.00500	0.00531	0.00508	106	102	47.0-150			4.43	20
Chloroform	0.00500	0.00494	0.00490	98.8	98.0	73.0-120	J	J	0.813	20
Chloromethane	0.00500	0.00482	0.00499	96.4	99.8	41.0-142			3.47	20
2-Chlorotoluene	0.00500	0.00506	0.00522	101	104	76.0-123			3.11	20
4-Chlorotoluene	0.00500	0.00518	0.00515	104	103	75.0-122			0.581	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00521	0.00506	104	101	58.0-134			2.92	20
1,2-Dibromoethane	0.00500	0.00493	0.00489	98.6	97.8	80.0-122			0.815	20
Dibromomethane	0.00500	0.00509	0.00501	102	100	80.0-120			1.58	20
1,2-Dichlorobenzene	0.00500	0.00510	0.00506	102	101	79.0-121			0.787	20
1,3-Dichlorobenzene	0.00500	0.00535	0.00514	107	103	79.0-120			4.00	20
1,4-Dichlorobenzene	0.00500	0.00510	0.00496	102	99.2	79.0-120			2.78	20
Dichlorodifluoromethane	0.00500	0.00416	0.00446	83.2	89.2	51.0-149	J	J	6.96	20
1,1-Dichloroethane	0.00500	0.00518	0.00527	104	105	70.0-126			1.72	20
1,2-Dichloroethane	0.00500	0.00530	0.00517	106	103	70.0-128			2.48	20
1,1-Dichloroethene	0.00500	0.00494	0.00470	98.8	94.0	71.0-124			4.98	20
cis-1,2-Dichloroethene	0.00500	0.00509	0.00490	102	98.0	73.0-120			3.80	20
trans-1,2-Dichloroethene	0.00500	0.00489	0.00498	97.8	99.6	73.0-120			1.82	20
1,2-Dichloropropane	0.00500	0.00521	0.00499	104	99.8	77.0-125			4.31	20
1,1-Dichloropropene	0.00500	0.00556	0.00549	111	110	74.0-126			1.27	20
1,3-Dichloropropane	0.00500	0.00486	0.00499	97.2	99.8	80.0-120			2.64	20
cis-1,3-Dichloropropene	0.00500	0.00510	0.00499	102	99.8	80.0-123			2.18	20
trans-1,3-Dichloropropene	0.00500	0.00495	0.00481	99.0	96.2	78.0-124			2.87	20
2,2-Dichloropropane	0.00500	0.00522	0.00503	104	101	58.0-130			3.71	20
Di-isopropyl ether	0.00500	0.00510	0.00504	102	101	58.0-138			1.18	20
Hexachloro-1,3-butadiene	0.00500	0.00523	0.00488	105	97.6	54.0-138			6.92	20
Isopropylbenzene	0.00500	0.00452	0.00453	90.4	90.6	76.0-127			0.221	20
p-Isopropyltoluene	0.00500	0.00512	0.00507	102	101	76.0-125			0.981	20
2-Butanone (MEK)	0.0250	0.0284	0.0261	114	104	44.0-160			8.44	20
Methylene Chloride	0.00500	0.00462	0.00462	92.4	92.4	67.0-120	J	J	0.000	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0276	0.0261	110	104	68.0-142			5.59	20
Methyl tert-butyl ether	0.00500	0.00510	0.00502	102	100	68.0-125			1.58	20
Naphthalene	0.00500	0.00474	0.00442	94.8	88.4	54.0-135	J	J	6.99	20
n-Propylbenzene	0.00500	0.00510	0.00510	102	102	77.0-124			0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179499-1 02/22/25 10:22 • (LCSD) R4179499-2 02/22/25 10:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Styrene	0.00500	0.00482	0.00491	96.4	98.2	73.0-130			1.85	20
1,1,1,2-Tetrachloroethane	0.00500	0.00491	0.00505	98.2	101	75.0-125			2.81	20
1,1,2,2-Tetrachloroethane	0.00500	0.00491	0.00478	98.2	95.6	65.0-130			2.68	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00485	0.00435	97.0	87.0	69.0-132			10.9	20
Tetrachloroethene	0.00500	0.00511	0.00484	102	96.8	72.0-132			5.43	20
1,2,3-Trichlorobenzene	0.00500	0.00490	0.00494	98.0	98.8	50.0-138			0.813	20
1,2,4-Trichlorobenzene	0.00500	0.00504	0.00507	101	101	57.0-137			0.593	20
1,1,1-Trichloroethane	0.00500	0.00519	0.00510	104	102	73.0-124			1.75	20
1,1,2-Trichloroethane	0.00500	0.00485	0.00518	97.0	104	80.0-120			6.58	20
Trichloroethene	0.00500	0.00536	0.00524	107	105	78.0-124			2.26	20
Trichlorofluoromethane	0.00500	0.00497	0.00537	99.4	107	59.0-147	J		7.74	20
1,2,3-Trichloropropane	0.00500	0.00565	0.00518	113	104	73.0-130			8.68	20
1,2,4-Trimethylbenzene	0.00500	0.00506	0.00517	101	103	76.0-121			2.15	20
1,2,3-Trimethylbenzene	0.00500	0.00524	0.00512	105	102	77.0-120			2.32	20
1,3,5-Trimethylbenzene	0.00500	0.00525	0.00520	105	104	76.0-122			0.957	20
Vinyl chloride	0.00500	0.00510	0.00502	102	100	67.0-131			1.58	20
(S) Toluene-d8				*99.4*	*97.7*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*97.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*108*	*104*	*70.0-130*				

Method Blank (MB)

(MB) R4179793-3 02/24/25 22:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ethylbenzene	U		0.000137	0.00100
Naphthalene	U		0.00100	0.00500
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*82.7*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179793-1 02/24/25 21:12 • (LCSD) R4179793-2 02/24/25 21:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00570	0.00559	114	112	79.0-123			1.95	20
Naphthalene	0.00500	0.00382	0.00338	76.4	67.6	54.0-135	J	J	12.2	20
Toluene	0.00500	0.00550	0.00549	110	110	79.0-120			0.182	20
Xylenes, Total	0.0150	0.0172	0.0176	115	117	79.0-123			2.30	20
(S) Toluene-d8				*104*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*83.3*	*85.8*	*70.0-130*				

Method Blank (MB)

(MB) R4179974-2 02/23/25 11:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4179974-2 02/23/25 11:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
Vinyl chloride	U		0.00116	0.00250
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*94.3*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179974-1 02/23/25 10:04 • (LCSD) R4179974-3 02/23/25 11:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.775	0.848	124	136	10.0-160			9.00	31
Acrylonitrile	0.625	0.877	0.836	140	134	45.0-153			4.79	22
Benzene	0.125	0.118	0.107	94.4	85.6	70.0-123			9.78	20
Bromobenzene	0.125	0.111	0.112	88.8	89.6	73.0-121			0.897	20
Bromodichloromethane	0.125	0.123	0.108	98.4	86.4	73.0-121			13.0	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179974-1 02/23/25 10:04 • (LCSD) R4179974-3 02/23/25 11:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.106	0.0912	84.8	73.0	64.0-132			15.0	20
Bromomethane	0.125	0.0961	0.0874	76.9	69.9	56.0-147			9.48	20
n-Butylbenzene	0.125	0.115	0.107	92.0	85.6	68.0-135			7.21	20
sec-Butylbenzene	0.125	0.118	0.108	94.4	86.4	74.0-130			8.85	20
tert-Butylbenzene	0.125	0.115	0.106	92.0	84.8	75.0-127			8.14	20
Carbon tetrachloride	0.125	0.100	0.0891	80.0	71.3	66.0-128			11.5	20
Chlorobenzene	0.125	0.110	0.105	88.0	84.0	76.0-128			4.65	20
Chlorodibromomethane	0.125	0.114	0.104	91.2	83.2	74.0-127			9.17	20
Chloroethane	0.125	0.115	0.0986	92.0	78.9	61.0-134			15.4	20
Chloroform	0.125	0.116	0.111	92.8	88.8	72.0-123			4.41	20
Chloromethane	0.125	0.109	0.102	87.2	81.6	51.0-138			6.64	20
2-Chlorotoluene	0.125	0.116	0.114	92.8	91.2	75.0-124			1.74	20
4-Chlorotoluene	0.125	0.127	0.122	102	97.6	75.0-124			4.02	20
1,2-Dibromo-3-Chloropropane	0.125	0.108	0.0940	86.4	75.2	59.0-130			13.9	20
1,2-Dibromoethane	0.125	0.123	0.116	98.4	92.8	74.0-128			5.86	20
Dibromomethane	0.125	0.128	0.118	102	94.4	75.0-122			8.13	20
1,2-Dichlorobenzene	0.125	0.116	0.115	92.8	92.0	76.0-124			0.866	20
1,3-Dichlorobenzene	0.125	0.108	0.106	86.4	84.8	76.0-125			1.87	20
1,4-Dichlorobenzene	0.125	0.119	0.112	95.2	89.6	77.0-121			6.06	20
Dichlorodifluoromethane	0.125	0.0927	0.0778	74.2	62.2	43.0-156			17.5	20
1,1-Dichloroethane	0.125	0.119	0.108	95.2	86.4	70.0-127			9.69	20
1,2-Dichloroethane	0.125	0.121	0.118	96.8	94.4	65.0-131			2.51	20
1,1-Dichloroethene	0.125	0.105	0.0929	84.0	74.3	65.0-131			12.2	20
cis-1,2-Dichloroethene	0.125	0.119	0.112	95.2	89.6	73.0-125			6.06	20
trans-1,2-Dichloroethene	0.125	0.102	0.0946	81.6	75.7	71.0-125			7.53	20
1,2-Dichloropropane	0.125	0.131	0.119	105	95.2	74.0-125			9.60	20
1,1-Dichloropropene	0.125	0.130	0.113	104	90.4	73.0-125			14.0	20
1,3-Dichloropropane	0.125	0.121	0.115	96.8	92.0	80.0-125			5.08	20
cis-1,3-Dichloropropene	0.125	0.131	0.116	105	92.8	76.0-127			12.1	20
trans-1,3-Dichloropropene	0.125	0.115	0.108	92.0	86.4	73.0-127			6.28	20
2,2-Dichloropropane	0.125	0.124	0.115	99.2	92.0	59.0-135			7.53	20
Di-isopropyl ether	0.125	0.132	0.126	106	101	60.0-136			4.65	20
Ethylbenzene	0.125	0.113	0.106	90.4	84.8	74.0-126			6.39	20
Hexachloro-1,3-butadiene	0.125	0.101	0.0874	80.8	69.9	57.0-150			14.4	20
Isopropylbenzene	0.125	0.0996	0.0940	79.7	75.2	72.0-127			5.79	20
p-Isopropyltoluene	0.125	0.105	0.0974	84.0	77.9	72.0-133			7.51	20
2-Butanone (MEK)	0.625	0.776	0.811	124	130	30.0-160			4.41	24
Methylene Chloride	0.125	0.115	0.108	92.0	86.4	68.0-123			6.28	20
4-Methyl-2-pentanone (MIBK)	0.625	0.726	0.707	116	113	56.0-143			2.65	20
Methyl tert-butyl ether	0.125	0.114	0.110	91.2	88.0	66.0-132			3.57	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179974-1 02/23/25 10:04 • (LCSD) R4179974-3 02/23/25 11:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.108	0.101	86.4	80.8	59.0-130			6.70	20
n-Propylbenzene	0.125	0.122	0.115	97.6	92.0	74.0-126			5.91	20
Styrene	0.125	0.111	0.103	88.8	82.4	72.0-127			7.48	20
1,1,1,2-Tetrachloroethane	0.125	0.106	0.102	84.8	81.6	74.0-129			3.85	20
1,1,2,2-Tetrachloroethane	0.125	0.115	0.114	92.0	91.2	68.0-128			0.873	20
1,1,2-Trichlorotrifluoroethane	0.125	0.105	0.0896	84.0	71.7	61.0-139			15.8	20
Tetrachloroethene	0.125	0.102	0.0976	81.6	78.1	70.0-136			4.41	20
Toluene	0.125	0.112	0.105	89.6	84.0	75.0-121			6.45	20
1,2,3-Trichlorobenzene	0.125	0.0940	0.0839	75.2	67.1	59.0-139			11.4	20
1,2,4-Trichlorobenzene	0.125	0.0998	0.0879	79.8	70.3	62.0-137			12.7	20
1,1,1-Trichloroethane	0.125	0.106	0.0985	84.8	78.8	69.0-126			7.33	20
1,1,2-Trichloroethane	0.125	0.117	0.114	93.6	91.2	78.0-123			2.60	20
Trichloroethene	0.125	0.115	0.104	92.0	83.2	76.0-126			10.0	20
Trichlorofluoromethane	0.125	0.102	0.0939	81.6	75.1	61.0-142			8.27	20
1,2,3-Trichloropropane	0.125	0.122	0.111	97.6	88.8	67.0-129			9.44	20
1,2,4-Trimethylbenzene	0.125	0.114	0.110	91.2	88.0	70.0-126			3.57	20
1,2,3-Trimethylbenzene	0.125	0.114	0.109	91.2	87.2	74.0-124			4.48	20
Vinyl chloride	0.125	0.0982	0.0863	78.6	69.0	63.0-134			12.9	20
1,3,5-Trimethylbenzene	0.125	0.108	0.105	86.4	84.0	73.0-127			2.82	20
Xylenes, Total	0.375	0.353	0.333	94.1	88.8	72.0-127			5.83	20
(S) Toluene-d8				*97.8*	*97.5*	*75.0-131*				
(S) 4-Bromofluorobenzene				*98.8*	*99.6*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*104*	*97.8*	*70.0-130*				

Method Blank (MB)

(MB) R4179573-1 02/24/25 10:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		2.53	4.00
C22-C32 Hydrocarbons	U		2.53	4.00
C32-C40 Hydrocarbons	U		2.53	4.00
(S) o-Terphenyl	*74.2*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4179573-2 02/24/25 10:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	19.3	77.2	50.0-150	
C22-C32 Hydrocarbons	25.0	17.1	68.4	50.0-150	
(S) o-Terphenyl			*68.5*	*18.0-148*	

L1826221-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1826221-03 02/24/25 12:52 • (MS) R4179573-3 02/24/25 13:07 • (MSD) R4179573-4 02/24/25 13:21

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	24.6	217	217	192	0.000	0.000	20	50.0-150	V	V	12.2	20
C22-C32 Hydrocarbons	24.6	3130	2950	2590	0.000	0.000	20	50.0-150	V	V	13.1	20
(S) o-Terphenyl					*0.000*	*0.000*		*18.0-148*	J7	J7		

Method Blank (MB)

(MB) R4181095-1 02/27/25 20:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		2.53	4.00
C22-C32 Hydrocarbons	U		2.53	4.00
C32-C40 Hydrocarbons	U		2.53	4.00
(S) o-Terphenyl	*73.7*			*18.0-148*

Method Blank (MB)

(MB) R4181267-1 02/28/25 09:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		2.53	4.00
C22-C32 Hydrocarbons	U		2.53	4.00
C32-C40 Hydrocarbons	U		2.53	4.00
(S) o-Terphenyl	*95.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4181095-2 02/27/25 20:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	25.6	102	50.0-150	
C22-C32 Hydrocarbons	25.0	22.1	88.4	50.0-150	
(S) o-Terphenyl			*59.0*	*18.0-148*	

L1828473-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828473-14 02/28/25 00:23 • (MS) R4181095-3 02/28/25 00:38 • (MSD) R4181095-4 02/28/25 00:52

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	24.9	U	25.9	26.4	104	106	1	50.0-150			1.94	20
C22-C32 Hydrocarbons	24.9	U	22.0	23.3	88.6	93.5	1	50.0-150			5.38	20
(S) o-Terphenyl					*57.7*	*60.9*		*18.0-148*				

Method Blank (MB)

(MB) R4180682-1 02/26/25 18:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C12-C22 Hydrocarbons	U		0.0670	0.100
C22-C32 Hydrocarbons	U		0.0670	0.100
C32-C40 Hydrocarbons	U		0.0670	0.100
(S) o-Terphenyl	*141*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4180682-2 02/26/25 18:56 • (LCSD) R4180682-3 02/26/25 19:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	0.750	1.02	1.02	136	136	50.0-150			0.000	20
C22-C32 Hydrocarbons	0.750	0.772	0.787	103	105	50.0-150			1.92	20
(S) o-Terphenyl				*154*	*141*	*52.0-156*				

Method Blank (MB)

(MB) R4180225-2 02/25/25 23:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Anthracene	U		0.0000804	0.00100
Benzidine	U		0.00374	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.00100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.00100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodimethylamine	U		0.000998	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300

Method Blank (MB)

(MB) R4180225-2 02/25/25 23:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*35.8*			*10.0-120*
(S) Phenol-d5	*21.2*			*10.0-120*
(S) Nitrobenzene-d5	*66.3*			*10.0-127*
(S) 2-Fluorobiphenyl	*70.0*			*10.0-130*
(S) 2,4,6-Tribromophenol	*69.5*			*10.0-155*
(S) p-Terphenyl-d14	*87.5*			*10.0-128*

Laboratory Control Sample (LCS)

(LCS) R4180225-1 02/25/25 23:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0500	0.0430	86.0	41.0-120	
Acenaphthylene	0.0500	0.0391	78.2	43.0-120	
Anthracene	0.0500	0.0444	88.8	45.0-120	
Benzidine	0.100	0.000	0.000	10.0-120	J4
Benzo(a)anthracene	0.0500	0.0457	91.4	47.0-120	
Benzo(b)fluoranthene	0.0500	0.0479	95.8	46.0-120	
Benzo(k)fluoranthene	0.0500	0.0491	98.2	46.0-120	
Benzo(g,h,i)perylene	0.0500	0.0457	91.4	48.0-121	
Benzo(a)pyrene	0.0500	0.0466	93.2	47.0-120	
Bis(2-chlorethoxy)methane	0.0500	0.0359	71.8	33.0-120	
Bis(2-chloroethyl)ether	0.0500	0.0349	69.8	23.0-120	
2,2-Oxybis(1-Chloropropane)	0.0500	0.0323	64.6	28.0-120	
4-Bromophenyl-phenylether	0.0500	0.0507	101	45.0-120	
2-Chloronaphthalene	0.0500	0.0432	86.4	37.0-120	

Laboratory Control Sample (LCS)

(LCS) R4180225-1 02/25/25 23:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.0500	0.0437	87.4	44.0-120	
Chrysene	0.0500	0.0429	85.8	48.0-120	
Dibenz(a,h)anthracene	0.0500	0.0488	97.6	47.0-120	
3,3-Dichlorobenzidine	0.100	0.0853	85.3	44.0-120	
2,4-Dinitrotoluene	0.0500	0.0427	85.4	49.0-124	
2,6-Dinitrotoluene	0.0500	0.0415	83.0	46.0-120	
Fluoranthene	0.0500	0.0478	95.6	51.0-120	
Fluorene	0.0500	0.0438	87.6	47.0-120	
Hexachlorobenzene	0.0500	0.0490	98.0	44.0-120	
Hexachloro-1,3-butadiene	0.0500	0.0352	70.4	19.0-120	
Hexachlorocyclopentadiene	0.0500	0.0183	36.6	15.0-120	
Hexachloroethane	0.0500	0.0340	68.0	15.0-120	
Indeno(1,2,3-cd)pyrene	0.0500	0.0441	88.2	49.0-122	
Isophorone	0.0500	0.0347	69.4	36.0-120	
Naphthalene	0.0500	0.0333	66.6	27.0-120	
Nitrobenzene	0.0500	0.0361	72.2	27.0-120	
n-Nitrosodimethylamine	0.0500	0.0280	56.0	10.0-120	
n-Nitrosodiphenylamine	0.0500	0.0463	92.6	47.0-120	
n-Nitrosodi-n-propylamine	0.0500	0.0351	70.2	31.0-120	
Phenanthrene	0.0500	0.0441	88.2	46.0-120	
Benzylbutyl phthalate	0.0500	0.0412	82.4	43.0-121	
Bis(2-ethylhexyl)phthalate	0.0500	0.0380	76.0	43.0-122	
Di-n-butyl phthalate	0.0500	0.0471	94.2	49.0-121	
Diethyl phthalate	0.0500	0.0441	88.2	48.0-122	
Dimethyl phthalate	0.0500	0.0422	84.4	48.0-120	
Di-n-octyl phthalate	0.0500	0.0363	72.6	42.0-125	
Pyrene	0.0500	0.0467	93.4	47.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0337	67.4	24.0-120	
4-Chloro-3-methylphenol	0.0500	0.0335	67.0	40.0-120	
2-Chlorophenol	0.0500	0.0305	61.0	25.0-120	
2,4-Dichlorophenol	0.0500	0.0374	74.8	36.0-120	
2,4-Dimethylphenol	0.0500	0.0329	65.8	33.0-120	
4,6-Dinitro-2-methylphenol	0.0500	0.0445	89.0	38.0-138	
2,4-Dinitrophenol	0.0500	0.0383	76.6	10.0-120	
2-Nitrophenol	0.0500	0.0369	73.8	31.0-120	
4-Nitrophenol	0.0500	0.0153	30.6	10.0-120	
Pentachlorophenol	0.0500	0.0306	61.2	23.0-120	
Phenol	0.0500	0.0128	25.6	10.0-120	
2,4,6-Trichlorophenol	0.0500	0.0455	91.0	42.0-120	
(S) 2-Fluorophenol			*41.1*	*10.0-120*	

Laboratory Control Sample (LCS)

(LCS) R4180225-1 02/25/25 23:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*22.5*	*10.0-120*	
(S) Nitrobenzene-d5			*68.0*	*10.0-127*	
(S) 2-Fluorobiphenyl			*78.1*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*97.0*	*10.0-155*	
(S) p-Terphenyl-d14			*89.7*	*10.0-128*	

Method Blank (MB)

(MB) R4180822-2 02/26/25 20:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4180822-2 02/26/25 20:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Methylphenol	U		0.0100	0.333
3&4-Methyl Phenol	U		0.0104	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Pyridine	U		0.0220	0.333
2,4,5-Trichlorophenol	U		0.0113	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
Phenol	U		0.0134	0.333
(S) 2-Fluorophenol	*76.0*			*12.0-120*
(S) Phenol-d5	*70.4*			*10.0-120*
(S) Nitrobenzene-d5	*70.9*			*10.0-122*
(S) 2-Fluorobiphenyl	*77.8*			*15.0-120*
(S) 2,4,6-Tribromophenol	*70.7*			*10.0-127*
(S) p-Terphenyl-d14	*84.1*			*10.0-120*

Method Blank (MB)

(MB) R4181262-1 02/28/25 00:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333

Method Blank (MB)

(MB) R4181262-1 02/28/25 00:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Methylphenol	U		0.0100	0.333
3&4-Methyl Phenol	U		0.0104	0.333

Method Blank (MB)

(MB) R4181262-1 02/28/25 00:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Pyridine	U		0.0220	0.333
2,4,5-Trichlorophenol	U		0.0113	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
Phenol	U		0.0134	0.333
(S) 2-Fluorophenol	*74.3*			*12.0-120*
(S) Phenol-d5	*72.2*			*10.0-120*
(S) Nitrobenzene-d5	*67.9*			*10.0-122*
(S) 2-Fluorobiphenyl	*73.6*			*15.0-120*
(S) 2,4,6-Tribromophenol	*50.8*			*10.0-127*
(S) p-Terphenyl-d14	*83.2*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4180822-1 02/26/25 19:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.552	82.9	38.0-120	
Acenaphthylene	0.666	0.561	84.2	40.0-120	
Anthracene	0.666	0.562	84.4	42.0-120	
Benzidine	1.33	0.165	12.4	10.0-120	J
Benzo(a)anthracene	0.666	0.569	85.4	44.0-120	
Benzo(b)fluoranthene	0.666	0.549	82.4	43.0-120	
Benzo(k)fluoranthene	0.666	0.554	83.2	44.0-120	
Benzo(g,h,i)perylene	0.666	0.548	82.3	43.0-120	
Benzo(a)pyrene	0.666	0.576	86.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.392	58.9	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.537	80.6	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.399	59.9	23.0-120	
4-Bromophenyl-phenylether	0.666	0.593	89.0	40.0-120	
2-Chloronaphthalene	0.666	0.523	78.5	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.605	90.8	40.0-120	
Chrysene	0.666	0.534	80.2	43.0-120	
Dibenz(a,h)anthracene	0.666	0.557	83.6	44.0-120	
3,3-Dichlorobenzidine	1.33	1.07	80.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.613	92.0	45.0-120	
2,6-Dinitrotoluene	0.666	0.566	85.0	42.0-120	

Laboratory Control Sample (LCS)

(LCS) R4180822-1 02/26/25 19:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoranthene	0.666	0.571	85.7	44.0-120	
Fluorene	0.666	0.557	83.6	41.0-120	
Hexachlorobenzene	0.666	0.581	87.2	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.446	67.0	15.0-120	
Hexachlorocyclopentadiene	0.666	0.415	62.3	15.0-120	
Hexachloroethane	0.666	0.468	70.3	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.576	86.5	45.0-120	
Isophorone	0.666	0.428	64.3	23.0-120	
Naphthalene	0.666	0.426	64.0	18.0-120	
Nitrobenzene	0.666	0.420	63.1	17.0-120	
n-Nitrosodimethylamine	0.666	0.378	56.8	10.0-125	
n-Nitrosodiphenylamine	0.666	0.525	78.8	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.476	71.5	26.0-120	
Phenanthrene	0.666	0.532	79.9	42.0-120	
Benzylbutyl phthalate	0.666	0.520	78.1	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.522	78.4	41.0-120	
Di-n-butyl phthalate	0.666	0.541	81.2	43.0-120	
Diethyl phthalate	0.666	0.587	88.1	43.0-120	
Dimethyl phthalate	0.666	0.589	88.4	43.0-120	
Di-n-octyl phthalate	0.666	0.483	72.5	40.0-120	
Pyrene	0.666	0.550	82.6	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.447	67.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.431	64.7	28.0-120	
2-Chlorophenol	0.666	0.507	76.1	28.0-120	
2,4-Dichlorophenol	0.666	0.451	67.7	25.0-120	
2,4-Dimethylphenol	0.666	0.401	60.2	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.545	81.8	16.0-120	
2,4-Dinitrophenol	0.666	0.388	58.3	10.0-120	
2-Methylphenol	0.666	0.485	72.8	35.0-120	
3&4-Methyl Phenol	0.666	0.564	84.7	42.0-120	
2-Nitrophenol	0.666	0.487	73.1	20.0-120	
4-Nitrophenol	0.666	0.567	85.1	27.0-120	
Pentachlorophenol	0.666	0.461	69.2	29.0-120	
Pyridine	0.666	0.198	29.7	10.0-120	J
2,4,5-Trichlorophenol	0.666	0.549	82.4	38.0-120	
2,4,6-Trichlorophenol	0.666	0.532	79.9	37.0-120	
Phenol	0.666	0.469	70.4	28.0-120	
(S) 2-Fluorophenol			*85.1*	*12.0-120*	
(S) Phenol-d5			*75.8*	*10.0-120*	
(S) Nitrobenzene-d5			*62.2*	*10.0-122*	

Laboratory Control Sample (LCS)

(LCS) R4180822-1 02/26/25 19:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) 2-Fluorobiphenyl			*83.2*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*90.8*	*10.0-127*	
(S) p-Terphenyl-d14			*84.7*	*10.0-120*	

L1828473-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828473-10 02/27/25 01:34 • (MS) R4180822-3 02/27/25 01:58 • (MSD) R4180822-4 02/27/25 02:22

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.695	U	0.569	0.534	81.9	76.3	1	18.0-120			6.40	32
Acenaphthylene	0.695	U	0.577	0.546	83.0	78.1	1	25.0-120			5.50	32
Anthracene	0.695	U	0.584	0.557	84.1	79.7	1	22.0-120			4.83	29
Benzidine	1.39	U	0.362	0.428	26.0	30.6	1	10.0-120	J	J	16.8	40
Benzo(a)anthracene	0.695	U	0.614	0.576	88.4	82.3	1	25.0-120			6.49	29
Benzo(b)fluoranthene	0.695	U	0.561	0.530	80.8	75.9	1	19.0-122			5.66	31
Benzo(k)fluoranthene	0.695	U	0.557	0.525	80.2	75.1	1	23.0-120			5.91	30
Benzo(g,h,i)perylene	0.695	U	0.561	0.525	80.8	75.1	1	10.0-120			6.70	33
Benzo(a)pyrene	0.695	U	0.609	0.570	87.6	81.5	1	24.0-120			6.55	30
Bis(2-chlorethoxy)methane	0.695	U	0.393	0.377	56.5	53.9	1	10.0-120			4.01	34
Bis(2-chloroethyl)ether	0.695	U	0.559	0.373	80.5	53.3	1	10.0-120			40.0	40
2,2-Oxybis(1-Chloropropane)	0.695	U	0.382	0.367	54.9	52.5	1	10.0-120		J	3.83	40
4-Bromophenyl-phenylether	0.695	U	0.637	0.602	91.7	86.1	1	27.0-120			5.69	30
2-Chloronaphthalene	0.695	U	0.541	0.506	77.9	72.4	1	20.0-120			6.74	32
4-Chlorophenyl-phenylether	0.695	U	0.633	0.589	91.1	84.2	1	24.0-120			7.22	29
Chrysene	0.695	U	0.568	0.531	81.7	76.0	1	21.0-120			6.62	29
Dibenz(a,h)anthracene	0.695	U	0.562	0.526	81.0	75.2	1	10.0-120			6.69	32
3,3-Dichlorobenzidine	1.39	U	1.43	1.31	103	93.7	1	10.0-120			8.84	34
2,4-Dinitrotoluene	0.695	U	0.641	0.614	92.2	87.9	1	30.0-120			4.22	31
2,6-Dinitrotoluene	0.695	U	0.603	0.566	86.8	80.9	1	25.0-120			6.42	31
Fluoranthene	0.695	U	0.624	0.591	89.8	84.5	1	18.0-126			5.44	32
Fluorene	0.695	U	0.579	0.546	83.3	78.1	1	25.0-120			5.88	30
Hexachlorobenzene	0.695	U	0.608	0.578	87.5	82.6	1	27.0-120			5.02	28
Hexachloro-1,3-butadiene	0.695	U	0.453	0.432	65.2	61.8	1	10.0-120			4.73	38
Hexachlorocyclopentadiene	0.695	U	0.324	0.275	46.7	39.3	1	10.0-120	J	J	16.6	40
Hexachloroethane	0.695	U	0.464	0.432	66.8	61.8	1	10.0-120			7.13	40
Indeno(1,2,3-cd)pyrene	0.695	U	0.595	0.562	85.7	80.4	1	10.0-120			5.71	32
Isophorone	0.695	U	0.432	0.410	62.2	58.7	1	13.0-120			5.24	34
Naphthalene	0.695	U	0.428	0.413	61.6	59.1	1	10.0-120			3.41	35
Nitrobenzene	0.695	U	0.418	0.401	60.2	57.4	1	10.0-120			4.04	36

L1828473-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828473-10 02/27/25 01:34 • (MS) R4180822-3 02/27/25 01:58 • (MSD) R4180822-4 02/27/25 02:22

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Nitrosodimethylamine	0.695	U	0.401	0.0765	57.8	10.9	1	10.0-127		J J3	136	40
n-Nitrosodiphenylamine	0.695	U	0.578	0.541	83.2	77.4	1	17.0-120			6.50	29
n-Nitrosodi-n-propylamine	0.695	U	0.482	0.453	69.4	64.8	1	10.0-120			6.13	37
Phenanthrene	0.695	U	0.558	0.533	80.3	76.2	1	17.0-120			4.65	31
Benzylbutyl phthalate	0.695	U	0.613	0.574	88.3	82.2	1	23.0-120			6.50	30
Bis(2-ethylhexyl)phthalate	0.695	U	0.653	0.612	94.0	87.5	1	17.0-126			6.45	30
Di-n-butyl phthalate	0.695	U	0.603	0.576	86.8	82.3	1	30.0-120			4.68	29
Diethyl phthalate	0.695	U	0.617	0.582	88.9	83.3	1	26.0-120			5.88	28
Dimethyl phthalate	0.695	U	0.598	0.568	86.0	81.2	1	25.0-120			5.11	29
Di-n-octyl phthalate	0.695	U	0.615	0.572	88.6	81.9	1	21.0-123			7.24	29
Pyrene	0.695	U	0.587	0.546	84.4	78.1	1	16.0-121			7.21	32
1,2,4-Trichlorobenzene	0.695	U	0.456	0.432	65.7	61.8	1	12.0-120			5.46	37
4-Chloro-3-methylphenol	0.695	U	0.462	0.445	66.5	63.7	1	15.0-120			3.65	30
2-Chlorophenol	0.695	U	0.511	0.483	73.5	69.1	1	15.0-120			5.55	37
2,4-Dichlorophenol	0.695	U	0.479	0.453	68.9	64.8	1	20.0-120			5.44	31
2,4-Dimethylphenol	0.695	U	0.419	0.401	60.3	57.4	1	10.0-120			4.30	33
4,6-Dinitro-2-methylphenol	0.695	U	0.249	0.171	35.9	24.4	1	10.0-120	J	J	37.3	39
2,4-Dinitrophenol	0.695	U	0.165	0.129	23.8	18.5	1	10.0-121	J	J	24.7	40
2-Methylphenol	0.695	U	0.641	0.588	92.2	84.1	1	11.0-120			8.62	40
3&4-Methyl Phenol	0.695	U	0.613	0.590	88.3	84.4	1	12.0-123			3.85	38
2-Nitrophenol	0.695	U	0.528	0.481	76.0	68.8	1	12.0-120			9.40	39
4-Nitrophenol	0.695	U	0.554	0.527	79.7	75.4	1	10.0-137			4.90	32
Pentachlorophenol	0.695	U	0.291	0.182	41.9	26.0	1	10.0-160	J	J J3	46.2	31
Pyridine	0.695	U	0.256	0.249	36.8	35.6	1	10.0-120	J	J	2.62	40
2,4,5-Trichlorophenol	0.695	U	0.574	0.552	82.7	79.0	1	20.0-120			3.91	30
2,4,6-Trichlorophenol	0.695	U	0.523	0.495	75.2	70.8	1	19.0-120			5.42	32
Phenol	0.695	U	0.471	0.443	67.8	63.4	1	12.0-120			6.03	38
(S) 2-Fluorophenol					*78.1*	*75.1*		*12.0-120*				
(S) Phenol-d5					*72.4*	*68.3*		*10.0-120*				
(S) Nitrobenzene-d5					*58.7*	*56.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*79.0*	*74.1*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*86.8*	*79.7*		*10.0-127*				
(S) p-Terphenyl-d14					*84.8*	*79.8*		*10.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
TRC - BNSF Region 4

6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
Accounts Payable
6 Executive Circle, Suite 200
Irvine, CA 92614

Pres Chk

Report to:
Paul Kee 949-341-7447

Email To:
PKee@trccompanies.com;JMaldonado@trccom

Project Description:
BNSF - Gerald Depue

City/State Collected: BARSTOW, CA

Please Circle: (PT) MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
645787 / 00TA02

Lab Project #
BNSF4TRC-GERALD

Collected by (print):
ZACH ELEVARIO

Site/Facility ID #

P.O. #
227502

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed: STANDARD 10 DAY TAT

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 8ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 8ozClr-NoPres	SV8270 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
SB-3-10	G	SS	10	02/19/2025	0800	4	X	X	X	X	X		01
SB-3-15	G	SS	15		0815	4		HOLD				HOLD	02
SB-3-20	G	SS	20		0830	4	X	X	X	X	X		03
SB-1-10	G	SS	10		0915	4	X	X	X	X	X		04
SB-1-15	G	SS	15		0930	4		HOLD				HOLD	05
SB-1-20	G	SS	20		0945	4	X	X	X	X	X		06
SB-6-10	G	SS	10		1030	4	X	X	X	X	X		07
SB-6-15	G	SS	15		1045	4		HOLD				HOLD	08
SB-6-20	G	SS	20		1100	4	X	X	X	X	X		09
SP-4	Comp	SS	—		1230	4	X	X	X	X	X		10

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1827468
F180

Acctnum: BNSF4TRC
Template: T268432
Prelogin: P1131758
PM: 4089 - Andi R Jones
PB:

Shipped Via: Courier

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__UPS __FedEx __Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		X N
Bottles arrive intact:		X N
Correct bottles used:		X N
Sufficient volume sent:		X N
If Applicable		
VOA Zero Headspace:		X N
Preservation Correct/Checked:		X N
RAD Screen <0.5 mR/hr:		X N

	Date:	Time:		
Relinquished by: (Signature)	2/19/25	14:30	Received by: (Signature)	Trip Blank Received: Yes / No (HCL / MeoH TBR)
Relinquished by: (Signature)	2/20/25	9:24	Received by: (Signature) PACE	Temp: °C Bottles Received: 70 — If preservation required by Login: Date/Time
Relinquished by: (Signature) PACE	2/20	1030	Received for lab by: (Signature) CRODELO	Date: 02.21.25 Time: 0800 — Hold: — Condition: NCF / (OK)

Company Name/Address:
TRC - BNSF Region 4

6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
Accounts Payable
6 Executive Circle, Suite 200
Irvine, CA 92614

Pres Chk

Report to:
Paul Kee 949-341-7447

Email To:
PKee@trccompanies.com;JMaldonado@trccom

Project Description:
BNSF - Gerald Depue

City/State Collected: **BARSTOW, CA**

Please Circle: (PT) MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
645787 / 00TA02

Lab Project #
BNSF4TRC-GERALD

Collected by (print):
ZACH ELEVARIO

Site/Facility ID #
DEPUE, GERALD

P.O. #
227502

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed: **STANDARD 10 DAY TAT**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270 100ml Amb NoPres	DROCAERLVI 40mlAmb-HCl-BT	GROCA 40mlAmb HCl	M6020CAM17 250mlHDPE-HNO3	V8260 40mlAmb-HCl						Remarks	Sample # (lab only)
GW-1	G	GW	—	02/19/2025	1415	11	X	X	X	X	X							11
GW-2	G	GW	—	02/19/2025	1425	11	X	X	X	X	X							12
		GW																
SB-10-2	G	SS		02/19/2025	11:30	4	X	X	X	X	X							13
SB-10-5	G	SS		02/19/2025	11:35	4	HOLD										HOLD	14

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1823458

Table #

Acctnum: **BNSF4TRC**
Template: **T268433**
Prelogin: **P1131759**
PM: **4089 - Andi R Jones**
PB:

Shipped Via: **Courier**

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: TITLE 22 METALS TO BE FILTERED BY LAB AS SOON AS RECIEVED.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	2/19/25	14:30	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	2/20/25	9:24	PACE
Relinquished by : (Signature) PACE	Date: 2/20	Time: 1030	Received for lab by: (Signature) CROSLAND

Trip Blank Received: Yes / (No) HCL / MeoH TBR

Temp: °C Bottles Received: 10

Date: 02.21.25 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

L#_____

Fed Ex tracking #	Gun ID	Temperature
SWA	TLA9	2.6+0.4=3.0
〃	〃	2.7+0.4=3.1
〃	〃	0.7+0.4=1.1
〃	〃	1.7+0.4=2.1

_____ _____

Name Date

ANALYTICAL REPORT

March 03, 2025

TRC - BNSF Region 4

Sample Delivery Group:	L1828505
Samples Received:	02/21/2025
Project Number:	645787 / 00TA02
Description:	BNSF - Gerald Depue

Report To: Paul Kee
6 Executive Circle, Suite 200
Irvine, CA 92614

Entire Report Reviewed By:

Andi R Jones
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

IDW-1 L1828505-01 Solid

Collected by: Zach Elevario
Collected date/time: 02/19/25 14:00
Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2456124	1	02/22/25 11:02	02/22/25 11:17	CMB	Mt. Juliet, TN
Mercury by Method 7471B	WG2455969	1	02/21/25 21:01	02/23/25 19:19	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2456531	1	02/23/25 09:54	02/24/25 11:32	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2456803	25	02/19/25 14:00	02/24/25 14:51	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2456643	1	02/19/25 14:00	02/23/25 16:23	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015C	WG2458777	1	03/01/25 06:35	03/01/25 14:20	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2458768	1	02/27/25 16:21	02/28/25 21:24	EPF	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Andi R Jones
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	02/22/2025 11:17	WG2456124

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0221	0.0428	1	02/23/2025 19:19	WG2455969

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.740	2.14	1	02/24/2025 11:32	WG2456531
Arsenic	2.53		0.896	2.14	1	02/24/2025 11:32	WG2456531
Barium	51.7		0.0910	0.535	1	02/24/2025 11:32	WG2456531
Beryllium	0.192	J	0.0511	0.214	1	02/24/2025 11:32	WG2456531
Cadmium	0.0787	J	0.0699	0.535	1	02/24/2025 11:32	WG2456531
Chromium	8.66		0.229	1.07	1	02/24/2025 11:32	WG2456531
Cobalt	4.76		0.189	1.07	1	02/24/2025 11:32	WG2456531
Copper	6.87		0.382	2.14	1	02/24/2025 11:32	WG2456531
Lead	4.59		0.349	0.535	1	02/24/2025 11:32	WG2456531
Molybdenum	0.681	B	0.0182	0.535	1	02/24/2025 11:32	WG2456531
Nickel	4.67		0.214	2.14	1	02/24/2025 11:32	WG2456531
Selenium	U		1.15	2.14	1	02/24/2025 11:32	WG2456531
Silver	U		0.136	1.07	1	02/24/2025 11:32	WG2456531
Thallium	U		0.555	2.14	1	02/24/2025 11:32	WG2456531
Vanadium	27.4		0.410	2.14	1	02/24/2025 11:32	WG2456531
Zinc	25.9		1.04	5.35	1	02/24/2025 11:32	WG2456531

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		0.951	2.86	25	02/24/2025 14:51	WG2456803
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*		*02/24/2025 14:51*	WG2456803

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0418	0.0573	1	02/23/2025 16:23	WG2456643
Acrylonitrile	U		0.00414	0.0143	1	02/23/2025 16:23	WG2456643
Benzene	U		0.000535	0.00115	1	02/23/2025 16:23	WG2456643
Bromobenzene	U		0.00103	0.0143	1	02/23/2025 16:23	WG2456643
Bromodichloromethane	U		0.000831	0.00286	1	02/23/2025 16:23	WG2456643
Bromoform	U		0.00134	0.0286	1	02/23/2025 16:23	WG2456643
Bromomethane	0.00420	B J	0.00226	0.0143	1	02/23/2025 16:23	WG2456643
n-Butylbenzene	U		0.00601	0.0143	1	02/23/2025 16:23	WG2456643
sec-Butylbenzene	U		0.00330	0.0143	1	02/23/2025 16:23	WG2456643
tert-Butylbenzene	U		0.00223	0.00573	1	02/23/2025 16:23	WG2456643
Carbon tetrachloride	U		0.00103	0.00573	1	02/23/2025 16:23	WG2456643
Chlorobenzene	U		0.000241	0.00286	1	02/23/2025 16:23	WG2456643
Chlorodibromomethane	U		0.000701	0.00286	1	02/23/2025 16:23	WG2456643
Chloroethane	U		0.00195	0.00573	1	02/23/2025 16:23	WG2456643
Chloroform	U		0.00118	0.00286	1	02/23/2025 16:23	WG2456643
Chloromethane	U		0.00498	0.0143	1	02/23/2025 16:23	WG2456643
2-Chlorotoluene	U		0.000991	0.00286	1	02/23/2025 16:23	WG2456643

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chlorotoluene	U		0.000516	0.00573	1	02/23/2025 16:23	WG2456643
1,2-Dibromo-3-Chloropropane	U		0.00447	0.0286	1	02/23/2025 16:23	WG2456643
1,2-Dibromoethane	U		0.000742	0.00286	1	02/23/2025 16:23	WG2456643
Dibromomethane	U		0.000859	0.00573	1	02/23/2025 16:23	WG2456643
1,2-Dichlorobenzene	U		0.000487	0.00573	1	02/23/2025 16:23	WG2456643
1,3-Dichlorobenzene	U		0.000687	0.00573	1	02/23/2025 16:23	WG2456643
1,4-Dichlorobenzene	U		0.000802	0.00573	1	02/23/2025 16:23	WG2456643
Dichlorodifluoromethane	U		0.00184	0.00573	1	02/23/2025 16:23	WG2456643
1,1-Dichloroethane	U		0.000562	0.00286	1	02/23/2025 16:23	WG2456643
1,2-Dichloroethane	U		0.000744	0.00286	1	02/23/2025 16:23	WG2456643
1,1-Dichloroethene	U		0.000694	0.00286	1	02/23/2025 16:23	WG2456643
cis-1,2-Dichloroethene	U		0.000841	0.00286	1	02/23/2025 16:23	WG2456643
trans-1,2-Dichloroethene	U		0.00119	0.00573	1	02/23/2025 16:23	WG2456643
1,2-Dichloropropane	U		0.00163	0.00573	1	02/23/2025 16:23	WG2456643
1,1-Dichloropropene	U		0.000927	0.00286	1	02/23/2025 16:23	WG2456643
1,3-Dichloropropane	U		0.000574	0.00573	1	02/23/2025 16:23	WG2456643
cis-1,3-Dichloropropene	U		0.000867	0.00286	1	02/23/2025 16:23	WG2456643
trans-1,3-Dichloropropene	U		0.00131	0.00573	1	02/23/2025 16:23	WG2456643
2,2-Dichloropropane	U		0.00158	0.00286	1	02/23/2025 16:23	WG2456643
Di-isopropyl ether	U		0.000470	0.00115	1	02/23/2025 16:23	WG2456643
Ethylbenzene	U		0.000844	0.00286	1	02/23/2025 16:23	WG2456643
Hexachloro-1,3-butadiene	U	C3	0.00687	0.0286	1	02/23/2025 16:23	WG2456643
Isopropylbenzene	U		0.000487	0.00286	1	02/23/2025 16:23	WG2456643
p-Isopropyltoluene	U		0.00292	0.00573	1	02/23/2025 16:23	WG2456643
2-Butanone (MEK)	U		0.0727	0.115	1	02/23/2025 16:23	WG2456643
Methylene Chloride	U		0.00761	0.0286	1	02/23/2025 16:23	WG2456643
4-Methyl-2-pentanone (MIBK)	U		0.00261	0.0286	1	02/23/2025 16:23	WG2456643
Methyl tert-butyl ether	U		0.000401	0.00115	1	02/23/2025 16:23	WG2456643
Naphthalene	U		0.00559	0.0143	1	02/23/2025 16:23	WG2456643
n-Propylbenzene	U		0.00109	0.00573	1	02/23/2025 16:23	WG2456643
Styrene	U		0.000262	0.0143	1	02/23/2025 16:23	WG2456643
1,1,1,2-Tetrachloroethane	U		0.00109	0.00286	1	02/23/2025 16:23	WG2456643
1,1,2,2-Tetrachloroethane	U		0.000796	0.00286	1	02/23/2025 16:23	WG2456643
1,1,2-Trichlorotrifluoroethane	U		0.000864	0.00286	1	02/23/2025 16:23	WG2456643
Tetrachloroethene	U		0.00103	0.00286	1	02/23/2025 16:23	WG2456643
Toluene	U		0.00149	0.00573	1	02/23/2025 16:23	WG2456643
1,2,3-Trichlorobenzene	U	C3	0.00840	0.0143	1	02/23/2025 16:23	WG2456643
1,2,4-Trichlorobenzene	U		0.00504	0.0143	1	02/23/2025 16:23	WG2456643
1,1,1-Trichloroethane	U		0.00106	0.00286	1	02/23/2025 16:23	WG2456643
1,1,2-Trichloroethane	U		0.000684	0.00286	1	02/23/2025 16:23	WG2456643
Trichloroethene	U		0.000669	0.00115	1	02/23/2025 16:23	WG2456643
Trichlorofluoromethane	U		0.000947	0.00286	1	02/23/2025 16:23	WG2456643
1,2,3-Trichloropropane	U		0.00186	0.0143	1	02/23/2025 16:23	WG2456643
1,2,4-Trimethylbenzene	U		0.00181	0.00573	1	02/23/2025 16:23	WG2456643
1,2,3-Trimethylbenzene	U		0.00181	0.00573	1	02/23/2025 16:23	WG2456643
Vinyl chloride	U		0.00133	0.00286	1	02/23/2025 16:23	WG2456643
1,3,5-Trimethylbenzene	U		0.00229	0.00573	1	02/23/2025 16:23	WG2456643
Xylenes, Total	U		0.00101	0.00745	1	02/23/2025 16:23	WG2456643
(S) Toluene-d8	*102*			*75.0-131*		*02/23/2025 16:23*	WG2456643
(S) 4-Bromofluorobenzene	*93.3*			*67.0-138*		*02/23/2025 16:23*	WG2456643
(S) 1,2-Dichloroethane-d4	*87.4*			*70.0-130*		*02/23/2025 16:23*	WG2456643

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	14.1		2.71	4.28	1	03/01/2025 14:20	WG2458777
C22-C32 Hydrocarbons	10.5		2.71	4.28	1	03/01/2025 14:20	WG2458777
C32-C40 Hydrocarbons	3.07	J	2.71	4.28	1	03/01/2025 14:20	WG2458777
(S) o-Terphenyl	*43.1*			*18.0-148*		*03/01/2025 14:20*	WG2458777

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00577	0.0356	1	02/28/2025 21:24	WG2458768
Acenaphthylene	U		0.00502	0.0356	1	02/28/2025 21:24	WG2458768
Anthracene	U		0.00635	0.0356	1	02/28/2025 21:24	WG2458768
Benzidine	U		0.0670	1.79	1	02/28/2025 21:24	WG2458768
Benzo(a)anthracene	U		0.00628	0.0356	1	02/28/2025 21:24	WG2458768
Benzo(b)fluoranthene	U		0.00665	0.0356	1	02/28/2025 21:24	WG2458768
Benzo(k)fluoranthene	U		0.00634	0.0356	1	02/28/2025 21:24	WG2458768
Benzo(g,h,i)perylene	U		0.00652	0.0356	1	02/28/2025 21:24	WG2458768
Benzo(a)pyrene	U		0.00663	0.0356	1	02/28/2025 21:24	WG2458768
Bis(2-chlorethoxy)methane	U		0.0107	0.356	1	02/28/2025 21:24	WG2458768
Bis(2-chloroethyl)ether	U		0.0118	0.356	1	02/28/2025 21:24	WG2458768
2,2-Oxybis(1-Chloropropane)	U		0.0154	0.356	1	02/28/2025 21:24	WG2458768
4-Bromophenyl-phenylether	U		0.0125	0.356	1	02/28/2025 21:24	WG2458768
2-Chloronaphthalene	U		0.00626	0.0356	1	02/28/2025 21:24	WG2458768
4-Chlorophenyl-phenylether	U		0.0124	0.356	1	02/28/2025 21:24	WG2458768
Chrysene	U		0.00709	0.0356	1	02/28/2025 21:24	WG2458768
Dibenz(a,h)anthracene	U		0.00988	0.0356	1	02/28/2025 21:24	WG2458768
3,3-Dichlorobenzidine	U		0.0132	0.356	1	02/28/2025 21:24	WG2458768
2,4-Dinitrotoluene	U		0.0102	0.356	1	02/28/2025 21:24	WG2458768
2,6-Dinitrotoluene	U		0.0117	0.356	1	02/28/2025 21:24	WG2458768
Fluoranthene	U		0.00643	0.0356	1	02/28/2025 21:24	WG2458768
Fluorene	U		0.00580	0.0356	1	02/28/2025 21:24	WG2458768
Hexachlorobenzene	U		0.0126	0.356	1	02/28/2025 21:24	WG2458768
Hexachloro-1,3-butadiene	U		0.0120	0.356	1	02/28/2025 21:24	WG2458768
Hexachlorocyclopentadiene	U	C3	0.0187	0.356	1	02/28/2025 21:24	WG2458768
Hexachloroethane	U		0.0140	0.356	1	02/28/2025 21:24	WG2458768
Indeno(1,2,3-cd)pyrene	U		0.0101	0.0356	1	02/28/2025 21:24	WG2458768
Isophorone	U		0.0109	0.356	1	02/28/2025 21:24	WG2458768
Naphthalene	U		0.00895	0.0356	1	02/28/2025 21:24	WG2458768
Nitrobenzene	U		0.0124	0.356	1	02/28/2025 21:24	WG2458768
n-Nitrosodimethylamine	U		0.0529	0.356	1	02/28/2025 21:24	WG2458768
n-Nitrosodiphenylamine	U		0.0270	0.356	1	02/28/2025 21:24	WG2458768
n-Nitrosodi-n-propylamine	U		0.0119	0.356	1	02/28/2025 21:24	WG2458768
Phenanthrene	U		0.00708	0.0356	1	02/28/2025 21:24	WG2458768
Benzylbutyl phthalate	U		0.0111	0.356	1	02/28/2025 21:24	WG2458768
Bis(2-ethylhexyl)phthalate	U		0.0452	0.356	1	02/28/2025 21:24	WG2458768
Di-n-butyl phthalate	U		0.0122	0.356	1	02/28/2025 21:24	WG2458768
Diethyl phthalate	U		0.0118	0.356	1	02/28/2025 21:24	WG2458768
Dimethyl phthalate	U		0.0756	0.356	1	02/28/2025 21:24	WG2458768
Di-n-octyl phthalate	U		0.0241	0.356	1	02/28/2025 21:24	WG2458768
Pyrene	U		0.00694	0.0356	1	02/28/2025 21:24	WG2458768
1,2,4-Trichlorobenzene	U		0.0111	0.356	1	02/28/2025 21:24	WG2458768
4-Chloro-3-methylphenol	U		0.0116	0.356	1	02/28/2025 21:24	WG2458768
2-Chlorophenol	U		0.0118	0.356	1	02/28/2025 21:24	WG2458768
2,4-Dichlorophenol	U		0.0104	0.356	1	02/28/2025 21:24	WG2458768
2,4-Dimethylphenol	U		0.00931	0.356	1	02/28/2025 21:24	WG2458768
4,6-Dinitro-2-methylphenol	U		0.0808	0.356	1	02/28/2025 21:24	WG2458768
2,4-Dinitrophenol	U		0.0834	0.356	1	02/28/2025 21:24	WG2458768

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	U		0.0107	0.356	1	02/28/2025 21:24	WG2458768
3&4-Methyl Phenol	U		0.0111	0.356	1	02/28/2025 21:24	WG2458768
2-Nitrophenol	U		0.0127	0.356	1	02/28/2025 21:24	WG2458768
4-Nitrophenol	U		0.0111	0.356	1	02/28/2025 21:24	WG2458768
Pentachlorophenol	U	C3	0.00959	0.356	1	02/28/2025 21:24	WG2458768
Pyridine	U		0.0236	0.356	1	02/28/2025 21:24	WG2458768
2,4,5-Trichlorophenol	U		0.0121	0.356	1	02/28/2025 21:24	WG2458768
2,4,6-Trichlorophenol	U		0.0115	0.356	1	02/28/2025 21:24	WG2458768
Phenol	U		0.0143	0.356	1	02/28/2025 21:24	WG2458768
(S) 2-Fluorophenol	*69.5*			*12.0-120*		*02/28/2025 21:24*	WG2458768
(S) Phenol-d5	*64.0*			*10.0-120*		*02/28/2025 21:24*	WG2458768
(S) Nitrobenzene-d5	*58.1*			*10.0-122*		*02/28/2025 21:24*	WG2458768
(S) 2-Fluorobiphenyl	*60.5*			*15.0-120*		*02/28/2025 21:24*	WG2458768
(S) 2,4,6-Tribromophenol	*50.5*			*10.0-127*		*02/28/2025 21:24*	WG2458768
(S) p-Terphenyl-d14	*67.8*			*10.0-120*		*02/28/2025 21:24*	WG2458768

Method Blank (MB)

(MB) R4179389-1 02/22/25 11:17

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1828505-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1828505-01 02/22/25 11:17 • (DUP) R4179389-3 02/22/25 11:17

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.4	93.1	1	0.375		10

Laboratory Control Sample (LCS)

(LCS) R4179389-2 02/22/25 11:17

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4179325-1 02/23/25 18:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0206	0.0400

Laboratory Control Sample (LCS)

(LCS) R4179325-2 02/23/25 18:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.480	95.9	80.0-120	

L1828473-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828473-01 02/23/25 18:08 • (MS) R4179325-4 02/23/25 18:13 • (MSD) R4179325-5 02/23/25 18:15

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.527	U	0.509	0.544	96.5	103	1	75.0-125			6.59	20

Method Blank (MB)

(MB) R4179530-1 02/24/25 11:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.691	2.00
Arsenic	U		0.837	2.00
Barium	U		0.0850	0.500
Beryllium	U		0.0477	0.200
Cadmium	U		0.0653	0.500
Chromium	U		0.214	1.00
Cobalt	U		0.177	1.00
Copper	U		0.357	2.00
Lead	U		0.326	0.500
Molybdenum	0.140	J	0.0170	0.500
Nickel	U		0.200	2.00
Selenium	U		1.07	2.00
Silver	U		0.127	1.00
Thallium	U		0.518	2.00
Vanadium	U		0.383	2.00
Zinc	U		0.974	5.00

Laboratory Control Sample (LCS)

(LCS) R4179530-2 02/24/25 11:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	89.7	89.7	80.0-120	
Arsenic	100	92.3	92.3	80.0-120	
Barium	100	97.2	97.2	80.0-120	
Beryllium	100	93.1	93.1	80.0-120	
Cadmium	100	91.5	91.5	80.0-120	
Chromium	100	96.4	96.4	80.0-120	
Cobalt	100	89.3	89.3	80.0-120	
Copper	100	96.6	96.6	80.0-120	
Lead	100	90.8	90.8	80.0-120	
Molybdenum	100	96.3	96.3	80.0-120	
Nickel	100	90.1	90.1	80.0-120	
Selenium	100	88.1	88.1	80.0-120	
Silver	20.0	18.9	94.4	80.0-120	
Thallium	100	95.6	95.6	80.0-120	
Vanadium	100	90.7	90.7	80.0-120	
Zinc	100	92.9	92.9	80.0-120	

L1828505-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828505-01 02/24/25 11:32 • (MS) R4179530-5 02/24/25 11:37 • (MSD) R4179530-6 02/24/25 11:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	107	U	82.6	96.5	77.2	90.1	1	75.0-125			15.5	20
Arsenic	107	2.53	92.0	108	83.5	98.5	1	75.0-125			16.0	20
Barium	107	51.7	141	157	83.5	98.5	1	75.0-125			10.8	20
Beryllium	107	0.192	90.6	106	84.4	99.0	1	75.0-125			15.8	20
Cadmium	107	0.0787	86.9	100	81.1	93.6	1	75.0-125			14.2	20
Chromium	107	8.66	101	119	86.5	103	1	75.0-125			16.0	20
Cobalt	107	4.76	91.2	107	80.7	95.9	1	75.0-125			16.4	20
Copper	107	6.87	100	118	87.1	103	1	75.0-125			16.0	20
Lead	107	4.59	91.5	106	81.2	95.0	1	75.0-125			15.0	20
Molybdenum	107	0.681	92.7	109	85.9	101	1	75.0-125			16.2	20
Nickel	107	4.67	90.8	107	80.4	95.4	1	75.0-125			16.2	20
Selenium	107	U	86.2	101	80.5	94.7	1	75.0-125			16.2	20
Silver	21.4	U	18.8	22.0	87.8	103	1	75.0-125			15.5	20
Thallium	107	U	91.0	105	85.0	98.3	1	75.0-125			14.5	20
Vanadium	107	27.4	114	131	80.6	97.0	1	75.0-125			14.3	20
Zinc	107	25.9	112	131	80.8	98.0	1	75.0-125			15.1	20

Method Blank (MB)

(MB) R4179989-2 02/24/25 12:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179989-1 02/24/25 11:22 • (LCSD) R4179989-3 02/24/25 17:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	6.04	5.67	121	113	72.0-125			6.32	20
(S) a,a,a-Trifluorotoluene(FID)				*106*	*108*	*77.0-120*				

Method Blank (MB)

(MB) R4179563-3 02/23/25 11:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	0.00380	J	0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4179563-3 02/23/25 11:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	0.00680	J	0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
Vinyl chloride	U		0.00116	0.00250
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179563-1 02/23/25 10:10 • (LCSD) R4179563-2 02/23/25 10:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.567	0.565	90.7	90.4	10.0-160			0.353	31
Acrylonitrile	0.625	0.704	0.633	113	101	45.0-153			10.6	22
Benzene	0.125	0.126	0.118	101	94.4	70.0-123			6.56	20
Bromobenzene	0.125	0.121	0.112	96.8	89.6	73.0-121			7.73	20
Bromodichloromethane	0.125	0.118	0.112	94.4	89.6	73.0-121			5.22	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179563-1 02/23/25 10:10 • (LCSD) R4179563-2 02/23/25 10:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.112	0.105	89.6	84.0	64.0-132			6.45	20
Bromomethane	0.125	0.103	0.101	82.4	80.8	56.0-147			1.96	20
n-Butylbenzene	0.125	0.113	0.109	90.4	87.2	68.0-135			3.60	20
sec-Butylbenzene	0.125	0.115	0.109	92.0	87.2	74.0-130			5.36	20
tert-Butylbenzene	0.125	0.110	0.105	88.0	84.0	75.0-127			4.65	20
Carbon tetrachloride	0.125	0.124	0.113	99.2	90.4	66.0-128			9.28	20
Chlorobenzene	0.125	0.114	0.111	91.2	88.8	76.0-128			2.67	20
Chlorodibromomethane	0.125	0.111	0.110	88.8	88.0	74.0-127			0.905	20
Chloroethane	0.125	0.135	0.116	108	92.8	61.0-134			15.1	20
Chloroform	0.125	0.128	0.121	102	96.8	72.0-123			5.62	20
Chloromethane	0.125	0.123	0.109	98.4	87.2	51.0-138			12.1	20
2-Chlorotoluene	0.125	0.112	0.107	89.6	85.6	75.0-124			4.57	20
4-Chlorotoluene	0.125	0.109	0.105	87.2	84.0	75.0-124			3.74	20
1,2-Dibromo-3-Chloropropane	0.125	0.104	0.0909	83.2	72.7	59.0-130			13.4	20
1,2-Dibromoethane	0.125	0.113	0.108	90.4	86.4	74.0-128			4.52	20
Dibromomethane	0.125	0.119	0.112	95.2	89.6	75.0-122			6.06	20
1,2-Dichlorobenzene	0.125	0.109	0.101	87.2	80.8	76.0-124			7.62	20
1,3-Dichlorobenzene	0.125	0.110	0.105	88.0	84.0	76.0-125			4.65	20
1,4-Dichlorobenzene	0.125	0.110	0.107	88.0	85.6	77.0-121			2.76	20
Dichlorodifluoromethane	0.125	0.118	0.104	94.4	83.2	43.0-156			12.6	20
1,1-Dichloroethane	0.125	0.130	0.118	104	94.4	70.0-127			9.68	20
1,2-Dichloroethane	0.125	0.116	0.105	92.8	84.0	65.0-131			9.95	20
1,1-Dichloroethene	0.125	0.119	0.106	95.2	84.8	65.0-131			11.6	20
cis-1,2-Dichloroethene	0.125	0.137	0.129	110	103	73.0-125			6.02	20
trans-1,2-Dichloroethene	0.125	0.124	0.105	99.2	84.0	71.0-125			16.6	20
1,2-Dichloropropane	0.125	0.126	0.117	101	93.6	74.0-125			7.41	20
1,1-Dichloropropene	0.125	0.144	0.127	115	102	73.0-125			12.5	20
1,3-Dichloropropane	0.125	0.121	0.113	96.8	90.4	80.0-125			6.84	20
cis-1,3-Dichloropropene	0.125	0.117	0.111	93.6	88.8	76.0-127			5.26	20
trans-1,3-Dichloropropene	0.125	0.111	0.105	88.8	84.0	73.0-127			5.56	20
2,2-Dichloropropane	0.125	0.125	0.119	100	95.2	59.0-135			4.92	20
Di-isopropyl ether	0.125	0.131	0.121	105	96.8	60.0-136			7.94	20
Ethylbenzene	0.125	0.117	0.117	93.6	93.6	74.0-126			0.000	20
Hexachloro-1,3-butadiene	0.125	0.0942	0.101	75.4	80.8	57.0-150			6.97	20
Isopropylbenzene	0.125	0.102	0.101	81.6	80.8	72.0-127			0.985	20
p-Isopropyltoluene	0.125	0.111	0.109	88.8	87.2	72.0-133			1.82	20
2-Butanone (MEK)	0.625	0.627	0.594	100	95.0	30.0-160			5.41	24
Methylene Chloride	0.125	0.123	0.110	98.4	88.0	68.0-123			11.2	20
4-Methyl-2-pentanone (MIBK)	0.625	0.593	0.565	94.9	90.4	56.0-143			4.84	20
Methyl tert-butyl ether	0.125	0.122	0.112	97.6	89.6	66.0-132			8.55	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4179563-1 02/23/25 10:10 • (LCSD) R4179563-2 02/23/25 10:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.102	0.0994	81.6	79.5	59.0-130			2.58	20
n-Propylbenzene	0.125	0.115	0.110	92.0	88.0	74.0-126			4.44	20
Styrene	0.125	0.106	0.103	84.8	82.4	72.0-127			2.87	20
1,1,1,2-Tetrachloroethane	0.125	0.123	0.122	98.4	97.6	74.0-129			0.816	20
1,1,2,2-Tetrachloroethane	0.125	0.113	0.108	90.4	86.4	68.0-128			4.52	20
1,1,2-Trichlorotrifluoroethane	0.125	0.106	0.0990	84.8	79.2	61.0-139			6.83	20
Tetrachloroethene	0.125	0.116	0.111	92.8	88.8	70.0-136			4.41	20
Toluene	0.125	0.118	0.113	94.4	90.4	75.0-121			4.33	20
1,2,3-Trichlorobenzene	0.125	0.0972	0.0987	77.8	79.0	59.0-139			1.53	20
1,2,4-Trichlorobenzene	0.125	0.116	0.112	92.8	89.6	62.0-137			3.51	20
1,1,1-Trichloroethane	0.125	0.121	0.113	96.8	90.4	69.0-126			6.84	20
1,1,2-Trichloroethane	0.125	0.112	0.109	89.6	87.2	78.0-123			2.71	20
Trichloroethene	0.125	0.127	0.113	102	90.4	76.0-126			11.7	20
Trichlorofluoromethane	0.125	0.144	0.127	115	102	61.0-142			12.5	20
1,2,3-Trichloropropane	0.125	0.120	0.109	96.0	87.2	67.0-129			9.61	20
1,2,4-Trimethylbenzene	0.125	0.109	0.103	87.2	82.4	70.0-126			5.66	20
1,2,3-Trimethylbenzene	0.125	0.108	0.105	86.4	84.0	74.0-124			2.82	20
Vinyl chloride	0.125	0.139	0.125	111	100	63.0-134			10.6	20
1,3,5-Trimethylbenzene	0.125	0.105	0.102	84.0	81.6	73.0-127			2.90	20
Xylenes, Total	0.375	0.354	0.344	94.4	91.7	72.0-127			2.87	20
(S) Toluene-d8				*98.0*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*94.4*	*98.5*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*99.3*	*97.0*	*70.0-130*				

Method Blank (MB)

(MB) R4181646-1 03/01/25 13:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		2.53	4.00
C22-C32 Hydrocarbons	U		2.53	4.00
C32-C40 Hydrocarbons	U		2.53	4.00
(S) o-Terphenyl	*63.2*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4181646-2 03/01/25 14:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	21.6	86.4	50.0-150	
C22-C32 Hydrocarbons	25.0	17.0	68.0	50.0-150	
(S) o-Terphenyl			*56.2*	*18.0-148*	

L1828922-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828922-05 03/01/25 15:18 • (MS) R4181646-3 03/01/25 15:33 • (MSD) R4181646-4 03/01/25 15:47

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	25.1	U	19.9	21.6	79.5	86.6	1	50.0-150			8.08	20
C22-C32 Hydrocarbons	25.1	U	17.8	19.4	71.1	77.7	1	50.0-150			8.45	20
(S) o-Terphenyl					*38.1*	*37.9*		*18.0-148*				

Method Blank (MB)

(MB) R4181481-2 02/28/25 19:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4181481-2 02/28/25 19:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Methylphenol	U		0.0100	0.333
3&4-Methyl Phenol	U		0.0104	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Pyridine	U		0.0220	0.333
2,4,5-Trichlorophenol	U		0.0113	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
Phenol	U		0.0134	0.333
(S) 2-Fluorophenol	*70.7*			*12.0-120*
(S) Phenol-d5	*67.0*			*10.0-120*
(S) Nitrobenzene-d5	*60.1*			*10.0-122*
(S) 2-Fluorobiphenyl	*63.7*			*15.0-120*
(S) 2,4,6-Tribromophenol	*53.3*			*10.0-127*
(S) p-Terphenyl-d14	*70.6*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4181481-1 02/28/25 19:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.479	71.9	38.0-120	
Acenaphthylene	0.666	0.442	66.4	40.0-120	
Anthracene	0.666	0.474	71.2	42.0-120	
Benzidine	1.33	0.155	11.7	10.0-120	J
Benzo(a)anthracene	0.666	0.482	72.4	44.0-120	
Benzo(b)fluoranthene	0.666	0.503	75.5	43.0-120	
Benzo(k)fluoranthene	0.666	0.511	76.7	44.0-120	
Benzo(g,h,i)perylene	0.666	0.485	72.8	43.0-120	
Benzo(a)pyrene	0.666	0.498	74.8	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.367	55.1	20.0-120	

Laboratory Control Sample (LCS)

(LCS) R4181481-1 02/28/25 19:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bis(2-chloroethyl)ether	0.666	0.529	79.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.444	66.7	23.0-120	
4-Bromophenyl-phenylether	0.666	0.427	64.1	40.0-120	
2-Chloronaphthalene	0.666	0.441	66.2	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.434	65.2	40.0-120	
Chrysene	0.666	0.473	71.0	43.0-120	
Dibenz(a,h)anthracene	0.666	0.509	76.4	44.0-120	
3,3-Dichlorobenzidine	1.33	0.744	55.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.484	72.7	45.0-120	
2,6-Dinitrotoluene	0.666	0.480	72.1	42.0-120	
Fluoranthene	0.666	0.458	68.8	44.0-120	
Fluorene	0.666	0.469	70.4	41.0-120	
Hexachlorobenzene	0.666	0.366	55.0	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.301	45.2	15.0-120	J
Hexachlorocyclopentadiene	0.666	0.161	24.2	15.0-120	J
Hexachloroethane	0.666	0.449	67.4	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.477	71.6	45.0-120	
Isophorone	0.666	0.378	56.8	23.0-120	
Naphthalene	0.666	0.345	51.8	18.0-120	
Nitrobenzene	0.666	0.353	53.0	17.0-120	
n-Nitrosodimethylamine	0.666	0.547	82.1	10.0-125	
n-Nitrosodiphenylamine	0.666	0.450	67.6	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.499	74.9	26.0-120	
Phenanthrene	0.666	0.472	70.9	42.0-120	
Benzylbutyl phthalate	0.666	0.608	91.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.603	90.5	41.0-120	
Di-n-butyl phthalate	0.666	0.516	77.5	43.0-120	
Diethyl phthalate	0.666	0.483	72.5	43.0-120	
Dimethyl phthalate	0.666	0.477	71.6	43.0-120	
Di-n-octyl phthalate	0.666	0.610	91.6	40.0-120	
Pyrene	0.666	0.511	76.7	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.327	49.1	17.0-120	J
4-Chloro-3-methylphenol	0.666	0.327	49.1	28.0-120	J
2-Chlorophenol	0.666	0.432	64.9	28.0-120	
2,4-Dichlorophenol	0.666	0.328	49.2	25.0-120	J
2,4-Dimethylphenol	0.666	0.327	49.1	15.0-120	J
4,6-Dinitro-2-methylphenol	0.666	0.519	77.9	16.0-120	
2,4-Dinitrophenol	0.666	0.371	55.7	10.0-120	
2-Methylphenol	0.666	0.450	67.6	35.0-120	
3&4-Methyl Phenol	0.666	0.496	74.5	42.0-120	

Laboratory Control Sample (LCS)

(LCS) R4181481-1 02/28/25 19:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.381	57.2	20.0-120	
4-Nitrophenol	0.666	0.491	73.7	27.0-120	
Pentachlorophenol	0.666	0.329	49.4	29.0-120	J
Pyridine	0.666	0.182	27.3	10.0-120	J
2,4,5-Trichlorophenol	0.666	0.360	54.1	38.0-120	
2,4,6-Trichlorophenol	0.666	0.411	61.7	37.0-120	
Phenol	0.666	0.433	65.0	28.0-120	
(S) 2-Fluorophenol			*68.8*	*12.0-120*	
(S) Phenol-d5			*67.1*	*10.0-120*	
(S) Nitrobenzene-d5			*48.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*64.0*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*57.4*	*10.0-127*	
(S) p-Terphenyl-d14			*67.6*	*10.0-120*	

L1828604-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828604-07 02/28/25 22:46 • (MS) R4181481-3 02/28/25 23:07 • (MSD) R4181481-4 02/28/25 23:27

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.662	U	0.448	0.457	67.7	69.7	10	18.0-120			1.99	32
Acenaphthylene	0.662	U	0.420	0.446	63.4	68.0	10	25.0-120			6.00	32
Anthracene	0.662	U	0.455	0.681	68.7	104	10	22.0-120		J3	39.8	29
Benzidine	1.32	U	U	U	25.2	24.9	10	10.0-120	J6	J6	1.82	40
Benzo(a)anthracene	0.662	0.153	0.608	1.70	68.7	236	10	25.0-120		J3 J5	94.6	29
Benzo(b)fluoranthene	0.662	0.357	0.816	2.36	69.3	305	10	19.0-122		J3 J5	97.2	31
Benzo(k)fluoranthene	0.662	0.101	0.561	1.06	69.5	146	10	23.0-120		J3 J5	61.6	30
Benzo(g,h,i)perylene	0.662	0.133	0.529	1.04	59.8	138	10	10.0-120		J3 J5	65.1	33
Benzo(a)pyrene	0.662	0.188	0.626	1.71	66.2	232	10	24.0-120		J3 J5	92.8	30
Bis(2-chlorethoxy)methane	0.662	U	0.408	0.367	61.6	55.9	10	10.0-120	J	J	10.6	34
Bis(2-chloroethyl)ether	0.662	U	0.780	0.704	118	107	10	10.0-120	J	J	10.2	40
2,2-Oxybis(1-Chloropropane)	0.662	U	0.436	0.407	65.9	62.0	10	10.0-120	J	J	6.88	40
4-Bromophenyl-phenylether	0.662	U	0.394	0.365	59.5	55.6	10	27.0-120	J	J	7.64	30
2-Chloronaphthalene	0.662	U	0.404	0.389	61.0	59.3	10	20.0-120			3.78	32
4-Chlorophenyl-phenylether	0.662	U	0.374	0.401	56.5	61.1	10	24.0-120	J	J	6.97	29
Chrysene	0.662	0.142	0.626	1.41	73.1	193	10	21.0-120		J3 J5	77.0	29
Dibenz(a,h)anthracene	0.662	U	0.386	U	58.3	0.000	10	10.0-120		J3 J6	200	32
3,3-Dichlorobenzidine	1.32	U	0.544	0.488	41.2	37.3	10	10.0-120	J	J	10.9	34
2,4-Dinitrotoluene	0.662	U	0.393	0.380	59.4	57.9	10	30.0-120	J	J	3.36	31
2,6-Dinitrotoluene	0.662	U	0.393	0.389	59.4	59.3	10	25.0-120	J	J	1.02	31

L1828604-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828604-07 02/28/25 22:46 • (MS) R4181481-3 02/28/25 23:07 • (MSD) R4181481-4 02/28/25 23:27

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoranthene	0.662	0.229	0.658	2.71	64.8	378	10	18.0-126		J3 J5	122	32
Fluorene	0.662	U	0.439	0.460	66.3	70.1	10	25.0-120			4.67	30
Hexachlorobenzene	0.662	U	0.317	0.319	47.9	48.6	10	27.0-120	J	J	0.629	28
Hexachloro-1,3-butadiene	0.662	U	0.329	0.321	49.7	48.9	10	10.0-120	J	J	2.46	38
Hexachlorocyclopentadiene	0.662	U	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.662	U	0.402	0.401	60.7	61.1	10	10.0-120	J	J	0.249	40
Indeno(1,2,3-cd)pyrene	0.662	0.149	0.538	1.11	58.8	146	10	10.0-120		J3 J5	69.4	32
Isophorone	0.662	0.186	0.402	0.369	32.6	27.9	10	13.0-120	J	J	8.56	34
Naphthalene	0.662	U	0.401	0.520	60.6	79.3	10	10.0-120			25.8	35
Nitrobenzene	0.662	U	0.385	0.354	58.2	54.0	10	10.0-120	J	J	8.39	36
n-Nitrosodimethylamine	0.662	U	0.496	U	74.9	0.000	10	10.0-127	J	J3 J6	200	40
n-Nitrosodiphenylamine	0.662	U	0.410	0.401	61.9	61.1	10	17.0-120	J	J	2.22	29
n-Nitrosodi-n-propylamine	0.662	U	0.475	0.426	71.8	64.9	10	10.0-120	J	J	10.9	37
Phenanthrene	0.662	0.101	0.495	1.32	59.5	186	10	17.0-120		J3 J5	90.9	31
Benzylbutyl phthalate	0.662	U	0.590	0.577	89.1	88.0	10	23.0-120	J	J	2.23	30
Bis(2-ethylhexyl)phthalate	0.662	0.515	0.657	1.60	21.5	165	10	17.0-126	J	J J3 J5	83.6	30
Di-n-butyl phthalate	0.662	U	0.465	0.455	70.2	69.4	10	30.0-120	J	J	2.17	29
Diethyl phthalate	0.662	U	0.436	0.419	65.9	63.9	10	26.0-120	J	J	3.98	28
Dimethyl phthalate	0.662	U	ND	ND	63.0	63.4	10	25.0-120	J	J	0.240	29
Di-n-octyl phthalate	0.662	U	0.573	0.563	86.6	85.8	10	21.0-123	J	J	1.76	29
Pyrene	0.662	0.255	0.692	2.50	66.0	342	10	16.0-121		J3 J5	113	32
1,2,4-Trichlorobenzene	0.662	U	0.334	0.341	50.5	52.0	10	12.0-120	J	J	2.07	37
4-Chloro-3-methylphenol	0.662	U	0.357	0.362	53.9	55.2	10	15.0-120	J	J	1.39	30
2-Chlorophenol	0.662	U	0.379	0.367	57.3	55.9	10	15.0-120	J	J	3.22	37
2,4-Dichlorophenol	0.662	U	0.379	0.351	57.3	53.5	10	20.0-120	J	J	7.67	31
2,4-Dimethylphenol	0.662	U	0.377	0.362	56.9	55.2	10	10.0-120	J	J	4.06	33
4,6-Dinitro-2-methylphenol	0.662	U	ND	ND	36.1	34.0	10	10.0-120	J	J	6.93	39
2,4-Dinitrophenol	0.662	U	U	U	0.000	0.000	10	10.0-121	J6	J6	0.000	40
2-Methylphenol	0.662	U	0.474	0.480	71.6	73.2	10	11.0-120	J	J	1.26	40
3&4-Methyl Phenol	0.662	U	0.485	0.471	73.3	71.8	10	12.0-123	J	J	2.93	38
2-Nitrophenol	0.662	U	0.366	0.377	55.3	57.5	10	12.0-120	J	J	2.96	39
4-Nitrophenol	0.662	U	0.290	0.276	43.8	42.1	10	10.0-137	J	J	4.95	32
Pentachlorophenol	0.662	U	0.263	0.248	39.7	37.8	10	10.0-160	J	J	5.87	31
Pyridine	0.662	U	U	U	0.000	0.000	10	10.0-120	J6	J6	0.000	40
2,4,5-Trichlorophenol	0.662	U	0.381	0.327	57.6	49.8	10	20.0-120	J	J	15.3	30
2,4,6-Trichlorophenol	0.662	U	0.374	0.350	56.5	53.4	10	19.0-120	J	J	6.63	32
Phenol	0.662	U	0.382	0.423	57.7	64.5	10	12.0-120	J	J	10.2	38
(S) 2-Fluorophenol					*61.6*	*60.4*		*12.0-120*				
(S) Phenol-d5					*62.8*	*62.5*		*10.0-120*				
(S) Nitrobenzene-d5					*55.9*	*56.1*		*10.0-122*				

L1828604-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1828604-07 02/28/25 22:46 • (MS) R4181481-3 02/28/25 23:07 • (MSD) R4181481-4 02/28/25 23:27

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) 2-Fluorobiphenyl					*61.6*	*57.0*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*49.8*	*51.8*		*10.0-127*				
(S) p-Terphenyl-d14					*58.0*	*58.8*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix.

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
TRC - BNSF Region 4

6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
Accounts Payable
6 Executive Circle, Suite 200
Irvine, CA 92614

Pres Chk

Report to:
Paul Kee 949-341-7447

Email To:
PKee@trccompanies.com;JMaldonado@trccom

Project Description:
BNSF - Gerald Depue

City/State Collected: BARSTOW, CA

Please Circle: (PT) MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
645787 / 00TA02

Lab Project #
BNSF4TRC-GERALD

Collected by (print):
ZACH ELEVARIO

Site/Facility ID #
DEPUE GERALD

P.O. #
227502

Collected by (signature):

Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed
STANDARD 10 DAY TAT

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 8ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 8ozClr-NoPres	SV8270 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr						Remarks	Sample # (lab only)
IDW-1	Comp	SS	—	02/19/2025	1400	4	X	X	X	X	X							01
		SS																
		SS																
		SS																
		SS																

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1828505
F182

Acctnum: **BNSF4TRC**
Template: **T268432**
Prelogin: **P1131758**
PM: **4089 - Andi R Jones**
PB:
Shipped Via: **Courier**

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	2/19/25	14:30	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	2/20/25	9:25	PACE
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
PACE	2/20	1030	CRogers

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received: 4

Date: 02.21.25 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

L#_____

Fed Ex tracking #	Gun ID	Temperature
SWA	TLA9	2.6+0.4=3.0
〃	〃	2.7+0.4=3.1
〃	〃	0.7+0.4=1.1
〃	〃	1.7+0.4=2.1

_____ _____

Name Date

ANALYTICAL REPORT

March 06, 2025

TRC - BNSF Region 4

Sample Delivery Group:	L1831532
Samples Received:	02/21/2025
Project Number:	645787 / 00TA02
Description:	BNSF - Gerald Depue

Report To: Paul Kee
6 Executive Circle, Suite 200
Irvine, CA 92614

Entire Report Reviewed By:

Andi R Jones
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

SB-10-5 L1831532-01 Solid

Collected by: Zach Elevario
Collected date/time: 02/19/25 11:35
Received date/time: 02/21/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2462640	1	03/05/25 07:30	03/05/25 07:40	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2462603	25	02/19/25 11:35	03/05/25 11:46	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015C	WG2462731	1	03/04/25 16:20	03/05/25 09:45	KDB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015C	WG2462731	5	03/04/25 16:20	03/05/25 11:55	KDB	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Andi R Jones
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.3		1	03/05/2025 07:40	WG2462640

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.33	B J	0.913	2.75	25	03/05/2025 11:46	WG2462603
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*03/05/2025 11:46*	WG2462603

Semi-Volatile Organic Compounds (GC) by Method 8015C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	294		13.3	21.0	5	03/05/2025 11:55	WG2462731
C22-C32 Hydrocarbons	90.9		2.65	4.20	1	03/05/2025 09:45	WG2462731
C32-C40 Hydrocarbons	43.3		2.65	4.20	1	03/05/2025 09:45	WG2462731
(S) o-Terphenyl	*67.6*			*18.0-148*		*03/05/2025 11:55*	WG2462731
(S) o-Terphenyl	*38.7*			*18.0-148*		*03/05/2025 09:45*	WG2462731

Method Blank (MB)

(MB) R4182828-1 03/05/25 07:40

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00400			

L1831532-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1831532-01 03/05/25 07:40 • (DUP) R4182828-3 03/05/25 07:40

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.3	95.2	1	0.0861		10

Laboratory Control Sample (LCS)

(LCS) R4182828-2 03/05/25 07:40

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4183111-3 03/05/25 11:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.54	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4183111-1 03/05/25 09:24 • (LCSD) R4183111-2 03/05/25 09:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	5.61	5.96	112	119	72.0-125			6.05	20
(S) a,a,a-Trifluorotoluene(FID)				*110*	*111*	*77.0-120*				

Method Blank (MB)

(MB) R4182972-1 03/05/25 09:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		2.53	4.00
C22-C32 Hydrocarbons	U		2.53	4.00
C32-C40 Hydrocarbons	U		2.53	4.00
(S) o-Terphenyl	*78.5*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4182972-2 03/05/25 09:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	20.0	80.0	50.0-150	
C22-C32 Hydrocarbons	25.0	18.0	72.0	50.0-150	
(S) o-Terphenyl			*63.8*	*18.0-148*	

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
TRC - BNSF Region 4

6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
Accounts Payable
6 Executive Circle, Suite 200
Irvine, CA 92614

Pres Chk

Report to:
Paul Kee 949-341-7447

Email To:
PKee@trccompanies.com;JMaldonado@trccom

Project Description:
BNSF - Gerald Depue

City/State Collected: BARSTOW, CA

Please Circle: (PT) MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
645787 / 00TA02

Lab Project #
BNSF4TRC-GERALD

Collected by (print):
ZACH ELEVARIO

Site/Facility ID #
DEPUE, GERALD

P.O. #
227502

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Date Results Needed: STANDARD 10 DAY TAT

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270 100ml Amb NoPres	DROCAERLVI 40mlAmb-HCl-BT	GROCA 40mlAmb HCl	M6020CAM17 250mlHDPE-HNO3	V8260 40mlAmb-HCl					Remarks	Sample # (lab only)
GW-1	G	GW	—	02/19/2025	1415	11	X	X	X	X	X						11
GW-2	G	GW	—	02/19/2025	1425	11	X	X	X	X	X						12
		GW															
SB-10-2	G	SS		02/19/2025	11:30	4	X	X	X	X	X						13 -02
SB-10-5	G	SS		02/19/2025	11:35	4	HOLD									HOLD	14 -01

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: TITLE 22 METALS TO BE FILTERED BY LAB AS SOON AS RECIEVED.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	2/19/25	14:30	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	2/20/25	9:24	PACE
Relinquished by : (Signature) PACE	Date: 2/20	Time: 1030	Received for lab by: (Signature) CRODENA

Trip Blank Received: Yes / (No) HCL / MeoH TBR

Temp: °C Bottles Received: 70

Date: 02.21.25 Time: 0900

If preservation required by Login: Date/Time

Hold: Condition: NCF / (OK)

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1828468

Table # L1831532

Acctnum: **BNSF4TRC**

Template: **T268433**

Prelogin: **P1131759**

PM: **4089 - Andi R Jones**

PB:

Shipped Via: **Courier**

NJ 3/3/25

Outlook

BNSF Depue Gerald (L1828468-13)

From Kee, Paul <PKee@trccompanies.com>
Date Fri 2/28/25 4:12 PM
To Andi Jones <andi.jones@pacelabs.com>
Cc Fry, Gil <gfry@trccompanies.com>; Trompeter, John <jtrompeter@trccompanies.com>; Maldonado, Jose <JMaldonado@trccompanies.com>

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.
Hey Andi,

Based on the preliminary results for SB-10-2, please proceed with running the SB-10-5 sample for 8015 analyses.

Thanks,

Paul Kee
Project Geologist
TRCCOMPANIES.COM

6 Executive Circle, Suite 200
Irvine, CA 92614
m 949.433.2453
w 949.341.7447

6 Executive Circle
Suite 200
Irvine, CA 92614

T 949.727.9336
TRCcompanies.com

[illegible] [illegible]

[illegible]

Mr [illegible]
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[illegible] Mr [illegible]

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1.0 BACKGROUND

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2.0 PHASE II INVESTIGATION

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3.0 LABORATORY ANALYSES AND RESULTS

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4.0 CLOSING

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TABLE 1 - TOTAL PETROLEUM HYDOCARBONS (TPH) AND METALS
BARSTOW STRATEGIC - DE LA ROSA PROPERTY
25058 W MAIN STREET
BARSTOW CALIFONRIA

TPH - EPA Method 8015																
Metals - EPA Method 6010B																
M	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	4.58	4.43	3.89	3.84	3.99	4.18	3.93	6.44	3.65	4.47	5.42	3.89	4.36	6.73	4.13	5.73
M	41.9	40.3	53.1	32.0	41.7	42.3	46.1	51.4	24.8	43.1	43.9	68.8	63.4	83.0	37.3	62.0
M	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
M	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
M	9.11	14.2	11.3	8.42	10.6	9.13	9.68	14.2	7.56	12.1	10.5	9.69	7.12	13.2	9.37	12.8
	3.73	3.44	2.80	3.28	4.14	3.51	4.03	5.41	3.37	3.66	4.26	3.97	2.61	5.54	3.80	5.00
	11.2	8.93	8.21	7.45	9.15	8.68	9.48	12.8	6.61	10.3	10.2	8.54	8.08	14.9	8.42	11.8
	2.97	2.71	2.31	2.71	3.05	9.50	5.88	3.61	2.53	2.87	3.49	3.24	2.65	5.38	2.81	3.97
M	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.017	<0.01	0.030
M	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	4.53	4.56	3.88	3.99	4.92	4.19	5.10	6.61	3.20	5.07	5.02	4.24	3.70	7.58	4.31	6.88
M	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
M	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
M	22.9	22.3	18.1	20.6	26.6	26.0	23.1	35.0	24.4	23.7	25.9	27.8	17.0	28.9	26.1	30.9
	23.6	17.5	17.6	17.8	21.0	24.2	23.4	27.8	14.1	21.4	22.4	17.1	18.7	33.1	18.9	30.1

TABLE 2 - VOLATILE ORGANIC COMPOUNDS
BARSTOW STRATEGIC - DE LA ROSA PROPERTY
25058 W MAIN STREET
BARSTOW CALIFONRIA

VOCs- EPA METHOD 8260B																
Acetone	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Benzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromochloromethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone (MEK)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
n-Butylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
sec-Butylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
tert-Butylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Disulfide	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon tetrachloride	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chlorotoluene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chlorotoluene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-Chloropropane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromomethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,3-Dichlorobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cis 1,2-Dichloroethene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trans 1,2-dichloroethene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,3-Dichloropropane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2,2-Dichloropropane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloropropene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cis 1,3-Dichloropropene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trans 1,3-Dichloropropene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Hexachlorobutadiene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Isopropylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Isopropyltoluene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methyl-2-Pentanone (MIBK)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Methyl tert butyl ether (MTBE)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2 - VOLATILE ORGANIC COMPOUNDS
BARSTOW STRATEGIC - DE LA ROSA PROPERTY
25058 W MAIN STREET
BARSTOW CALIFONRIA

VOCs- EPA METHOD 8260B																
Methylene Chloride	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Naphthalene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
n-Propylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1,2-Tetrachloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene (PCE)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,3-Trichlorobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4-Trichlorobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane (TCA)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene (TCE)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,3-Trichloropropane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4-Trimethylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,3,5-Trimethylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m/p-Xylene	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
o-Xylene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 3 - SEMI-VOLATILE ORGANIC COMPOUNDS
BARSTOW STRATEGIC - DE LA ROSA PROPERTY
25058 W MAIN STREET
BARSTOW CALIFONRIA

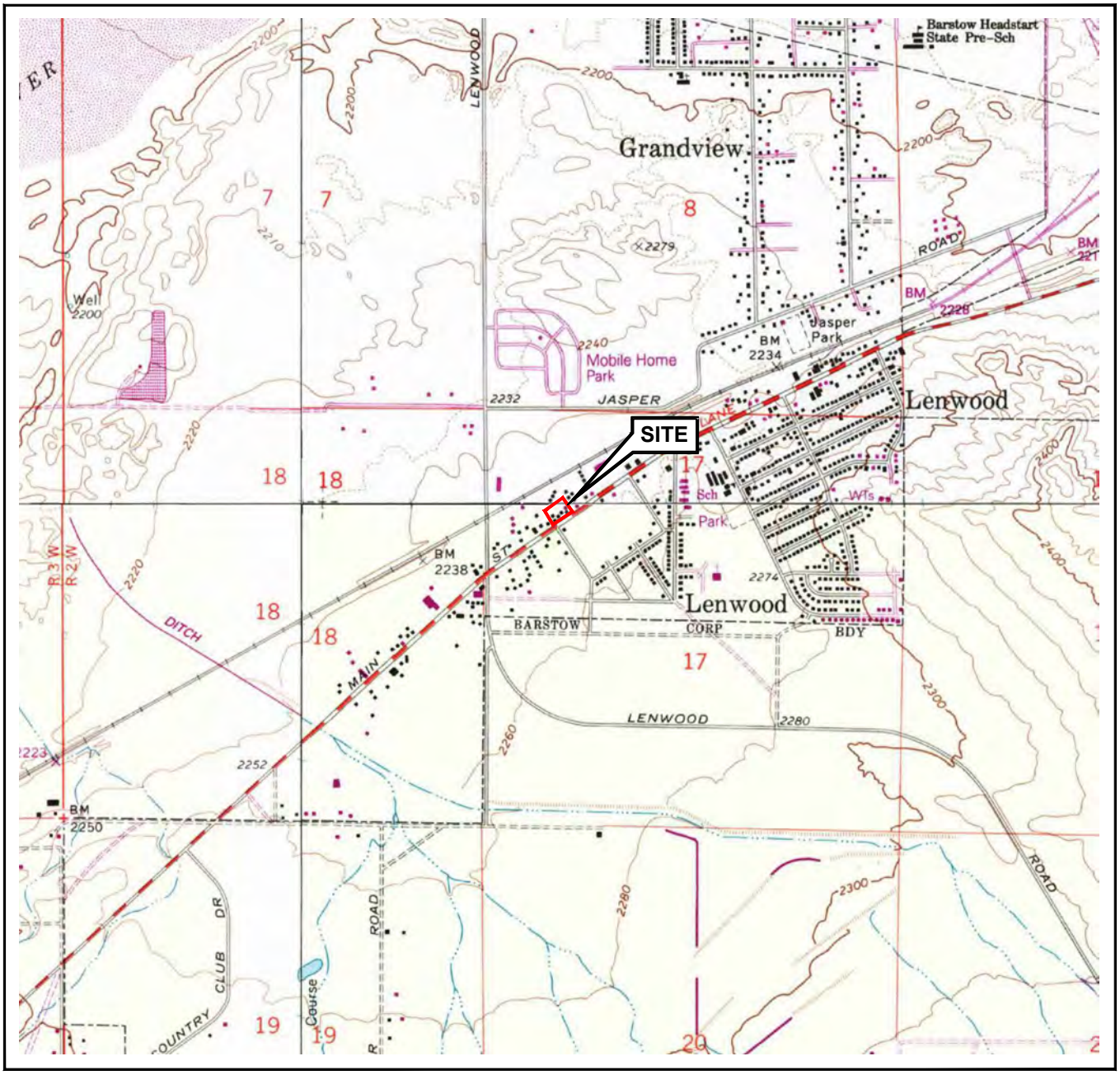
SVOCs - EPA Method 8270C	
Acenaphthene	<0.50
Acenaphthylene	<0.50
Anthracene	<0.50
Benzidine	<0.50
Benzo[a]anthacene	<0.50
Benzo[b]fluoranthene	<0.50
Benzo[a]pyrene	<0.50
Benzo[g,h,I]perylene	<0.50
Benzo[k]fluoranthene	<0.50
Benzoic acid	<2.50
Benzyl alcohol	<0.50
Bis(2-chloroethoxy)methane	<0.50
Bis(2-Chloroethyl)ether	<0.50
Bis(2-chloroisopropyl)ether	<0.50
Bis(2-ethylhexyl)phthalate	<0.50
4-Bromophenyl-phenylether	<0.50
Butylbenzylphthalate	<0.50
4-Chloro-3-methylphenol	<0.50
4-Chloroaniline	<0.50
2-Chloronaphthalene	<0.50
2-Chlorophenol	<0.50
4-Chlorophenyl-phenylether	<0.50
Chrysene	<0.50
Di-n-butylphthalate	<0.50
Di-n-Octylphthalate	<0.50
Dibenzo[a,h]anthracene	<0.50
Dibenzofuran	<0.50
1,2-Dichlorobenzene	<0.50
1,3-Dichlorobenzene	<0.50
1,4-Dichlorobenzene	<0.50
3,3-Dichlorobenzidine	<0.50
2,4-Dichlorophenol	<0.50
Diethylphthalate	<0.50
2,4-Dimethylphenol	<0.50
Dimethylphthalate	<0.50
4,6-Dinitro-2-methylphenol	<0.50
2,4-Dinitrotophenol	<0.50
2,4-Dinitrotoluene	<0.50
2,6-Dinitrotoluene	<0.50
Fluoranthene	<0.50
Fluorene	<0.50
Hexachlorobenzene	<0.50
Hexachlorobutadiene	<0.50

TABLE 3 - SEMI-VOLATILE ORGANIC COMPOUNDS
BARSTOW STRATEGIC - DE LA ROSA PROPERTY
25058 W MAIN STREET
BARSTOW CALIFONRIA

SVOCs - EPA Method 8270C																
Hexachlorocyclopentadiene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hexachloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Indeno[1,2,3-cd]pyrene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Isophorone	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Methylphenol	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3-Methylphenol	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4-Methylphenol	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Methylnaphthalene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
N-Nitro-di-n-propylamine	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
N-Nitrosodimethylamine	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
N-Nitrosodiphenylamine	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Naphthalene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Nitroaniline	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3-Nitroaniline	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4-Nitroaniline	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Nitrobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Nitrophenol	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4-Nitrophenol	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Pentachlorophenol	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Phenanthrene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Phenol	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Pyrene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Pyridine	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4,5-Trichlorophenol	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4,6-Trichlorophenol	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 4 - PESTICIDES / PCBs
BARSTOW STRATEGIC - DE LA ROSA PROPERTY
25058 W MAIN STREET
BARSTOW CALIFONRIA

PESTICIDES- EPA METHOD 8081																	
Aldrin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
alpha-BHC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
beta-BHC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
gamma-BHC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
delta-BHC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Alpha-chlordane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Gamma-chlordane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Chlordane (Technical)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4,4'-DDD	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4,4'-DDE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4,4'-DDT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dieldrin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Endosulfan I	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Endosulfan II	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Endosulfan Sulfate	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Endrin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Endrin Aldehyde	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Endrin Ketone	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Heptachlor Epoxide	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Heptachlor	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methoxychlor	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toxaphene	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PCBs- EPA METHOD 8082																	
PCB-1016	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
PCB-1221	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
PCB-1232	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
PCB-1242	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
PCB-1248	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
PCB-1254	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
PCB-1260	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010



0 1/4 1/2 3/4 1 MILE

SCALE 1" = 2,000'



SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
1993 Barstow SE, Barstow NE, Hodge SW, and Hinkley NW Quadrangles

TRC
6 Executive Circle
Suite 200
Irvine, CA 92614
Phone: 949.727.9336

PROJECT:

BNSF - DE LA ROSA
25058 WEST MAIN STREET
BARSTOW, CALIFORNIA

TITLE:

SITE VICINITY MAP

DRAWN BY:	R. Collins
CHECKED BY:	J. Maldonado
APPROVED BY:	M. Eaton
DATE:	September 2022
PROJ. NO.:	512976.0000.0000
FILE:	BNSF-DeLaRosa-VM.dwg

FIGURE 1

8.5x11 -- ATTACHED XREFS: -- ATTACHED IMAGES: DeLaRosa Topo, 1993;
DRAWING NAME: L:\Graphics\Projects\byName\BNSF - DeLaRosa\499280\ BNSF-DeLaRosa-VM.dwg -- PLOT DATE: September 14, 2022 - 10:48AM -- LAYOUT: 8.5x11



LEGEND

- Approximate Site Boundary
- Soil Boring Location
- Drop Inlet Drain

PROJECT:	De La Rosa Property 25058 West Main Street Barstow, California 92311
TITLE:	SITE PLAN
DRAWN BY: J.MALDONADO	PROJ. NO.: 512976.0000.0000
CHECKED BY: J.MALDONADO	
APPROVED BY: M.EATON	FIGURE 2
DATE: October 24, 2022	
TRC	6 Executive Circle Suite 200 Irvine, CA 92614
FILE NO.:	



Area of Investigation
EM-61 Anomaly
Reinforced Concrete
Electric
Product Line
Vent Line
Conduit
Trend Not Determined
Fence
Boring Location

SOURCE: Based on geophysical survey and interpretation by Spectrum Geophysics Inc.

N

APPROXIMATE SCALE (FEET)

0 25 50

TRC
6 Executive Circle
Suite 200
Irvine, CA 92614
Phone: 949.727.9336

PROJECT:

DE LA ROSA PROPERTY
25058 WEST MAIN STREET
BARSTOW, CALIFORNIA

TITLE:

GEOPHYSICAL INTERPRETATION MAP

DRAWN BY:	R. Collins
CHECKED BY:	M. Eaton
APPROVED BY:	M. Eaton
DATE:	October 2022
PROJ. NO.:	512976.0000.0000
FILE:	DeLaRosa_Geophysical_Map.dwg

FIGURE 3

8.5x11 -- ATTACHED XREFS: --
DRAWING NAME: L:\Graphics\ProjectsbyName\BNSF - DeLaRosa\512976\ DeLaRosa_Geophysical_Map.dwg -- PLOT DATE: October 25, 2022 - 10:08AM -- LAYOUT: 8.5X11P

Report of Geophysical Investigation

TRC Solutions, Inc.
Former Gas Station (BNSF)
25058 W. Main Street
Barstow, California
Project #7268

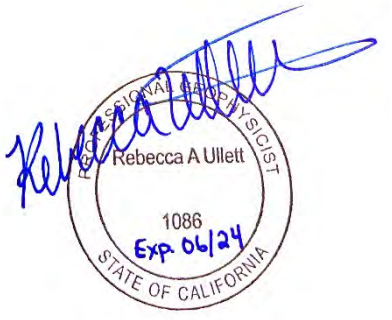
spectrum geophysics
REVEALING THE SUBSURFACE
8216 Lankeshim Blvd., #12
North Hollywood, California 91605
1-877-565-3595

Geophysical Investigation
Former Gas Station (BNSF)
25058 W. Main Street
Barstow, California

Prepared For:
TRC Solutions, Inc.
Irvine, California

Prepared By:
Spectrum Geophysics
8216 Lankershim Blvd., #12
North Hollywood, CA 91605

October 17th, 2022



Rebecca Ullett
License No. 1086
California Professional Geophysicist
Operations Manager

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LIST OF FIGURES

FIGURE	TITLE
1	Geophysical Interpretation Map
2	Contour Map of EM-61 Differential Data



1.0 INTRODUCTION

On September 28th, Spectrum Geophysics conducted a geophysical investigation at the site of a former gas station located at 25058 W. Main Street in Barstow, California.

The purpose of the investigation was to locate detectable steel underground storage tanks (USTs). The area of investigation, as designated by Jose Maldonado of TRC Solutions, Inc. was approximately 70 feet by 50 feet in size and was asphalt covered.

Site interferences in the area of investigation included the building, metallic fencing, a steel sign pole, reinforced concrete and two possible fill ports.

2.0 EQUIPMENT

The equipment used during this investigation consisted of a Geonics EM-61 high-sensitivity metal detector (EM-61), a Sensors & Software "Noggin Smart Cart" ground penetrating radar (GPR) unit coupled to a 500-MHz antenna, a Fisher TW-6 M-Scope shallow-focus metal detector (M-Scope) and a RadioDetection RD4000 electromagnetic utility locator (RD4000). A Trimble Pro 6H GPS unit and a digital field computer were used during EM-61 data acquisition.

3.0 METHODS AND FIELD PROCEDURES

3.1 EM-61 High Sensitivity Metal Detector

The EM-61 high-sensitivity metal detector was used in an effort to delineate areas where metallic objects (such as underground storage tanks and subsurface metal piping) may be buried. The EM-61 transmitter generates short pulses of a primary magnetic field that, in turn, induces electromagnetic currents in nearby metallic objects. Between pulses, the two receiver coils measure the decay of these electromagnetic currents in millivolts (mV). The measured values are proportional to the metal content (ferrous and non-ferrous) of the nearby objects.



EM-61 data acquisition (archive photo)

Prior to data acquisition the EM-61 battery level was checked and found to be at a proper level for data acquisition. After the EM-61 had a few minutes to warm up, the unit was nulled in a location with more than four meters of separation between the coils and any known metallic objects. A cable-shake test was performed to assure the cables were in good working condition and the connectors were fastened properly. Finally, a static test was performed in which the instrument response to soil and a metal bolt was monitored for amplitude and consistency of the readings. The EM-61 used for this investigation was found to be working as expected.

Once the EM-61 was found to be operating properly, EM-61 readings were collected along roughly parallel survey lines spaced approximately 5 feet apart within the area of the investigation. These measurements were recorded at a rate of 5 readings per second and stored in the Archer digital field computer. GPS positions were streamed into the field computer at one second intervals, and the EM-61 measurements were interpolated between GPS positions. This resulted in a 1-foot station spacing on average. Survey lines were displayed on the field computer in real time for navigation. If the submeter accuracy was lost during data acquisition an alarm from the field computer was sounded and data acquisition was paused until accuracy was regained. These data were processed in the field and used to generate contour maps to assist in identifying anomalies that may be caused by large buried metallic objects such as USTs. Linear EM-61 anomalies were relocated with the utility locating equipment in an attempt to determine their source.

Top or bottom coil EM-61 data can be useful for identifying near-surface metallic objects; although, the top coil generally has a larger response than the bottom coil to deeply buried objects. Top coil data are also useful for identifying buried utilities and other shallow linear features. The differential data (bottom coil data subtracted from the top coil data) was used during this survey to distinguish deeper targets (such as metallic USTs) from shallow ones such as a vault lid or scrap metal. Utilization of the differential data allows for the suppression of near surface targets that might mask the response from deeper targets of interest.

3.2 Ground Penetrating Radar (GPR)

EM-61 anomalies that could not be attributed to aboveground cultural features or detected underground utilities were further investigated using GPR methods. GPR data were collected over suspect areas and interpreted in the field for anomalies whose signatures might indicate the presence of utilities or other features of interest.

During GPR surveys, a high frequency (500 MHz) radio signal is transmitted into the ground via the antenna. As radio waves propagate into the ground, these signals are reflected off of structures with differing electrical properties. These reflected signals are then captured by the receiver and are presented as vertical profiles on the GPR unit. The profiles were then interpreted for the presence of buried utilities and other features of interest.



Data collection using the Noggin GPR (archive photo)

The areal extents and/or surface traces of detected features were marked on the ground with spray paint.

3.3 Electromagnetic Utility Location

During this investigation, active electromagnetic (EM) utility-locating methods were used to relocate linear EM-61 anomalies and to delineate the surface trace of detectable underground utilities.

Active locating was initiated by transmitting an alternating current at a known frequency (8 kHz for this site) on a street lighting line exposed at the surface. A receiver, tuned to 8 kHz, was then used to locate the signal maxima (or surface trace) of the applied signal. The street lighting did not pass through the area of investigation and was not mapped.

The Fisher M-Scope metal detector was used to relocate shallow buried metallic features identified in the EM-61 data. The M-Scope has a transmitter and a receiver at the ends of a short boom. The transmitter emits a radio-frequency source signal that induces a secondary magnetic field in metallic material in its immediate vicinity. The receiver measures the signal strength of this secondary magnetic field and emits an audible response, the volume and pitch of which increase in the presence of metallic material. The sensitivity of the M-Scope allows the operator to locate the lateral boundaries of a metallic object.

Detected utilities of known type were marked on the ground with surveyor's paint using the color code found below.

Table 1: APWA Color Code

Utility	Color
Electric	Red
Telephone/Communication	Orange
Storm Drain/Sanitary Sewer	Green
Natural Gas	Yellow
Water	Blue
Unknown Conduit	Pink

4.0 RESULTS

A geophysical interpretation map is presented in Figure 1 and a contour map of the EM-61 differential data is presented in Figure 2.

4.1 EM-61

The color scale in the contour map of the EM-61 differential data displays the magnitudes of the measured EM-61 values where blue and green colors represent negative readings (indicative of surface metal), light green to yellow colors represent background readings and orange to pink colors represent increasing values above background. Due to the sensitivity of the EM-61, anomalies are usually exaggerated compared to the actual dimensions of the source metal. It is common for a sheared fence post to produce a 7-foot by 7-foot EM-61 anomaly while a 500-gallon UST buried 4 feet below ground surface can produce an EM-61 anomaly with dimensions of 15 feet by 15 feet. The findings of the survey are discussed below.

One significant anomaly was detected in the contour map of EM-61 differential data that could not be attributed to above ground cultural features and/or detected utilities (Figure 2).

Anomaly A was observed as a high amplitude anomaly in both the EM-61 top coil and differential data, identified in Figure 1 as a purple dashed box. This anomaly is rectangular in shape and approximately 18 feet x 25 feet in size, centered at Easting 6827254 and Northing 2141883. Several conduits, vent lines, electric lines and product lines were detected along the edges of the anomaly, however, these could not be determined as the sole sources. Two possible fill ports were also observed within the bounds of the anomaly. Follow up with GPR provided no further information. The size and magnitude of this anomaly is consistent with those associated with abandoned steel USTs.



Possible Fill Ports

5.0 LIMITATIONS

The detection of subsurface objects and utilities is dependent upon acquiring reliable data with geophysical instruments above ground. These data may be interpreted as representative of subsurface objects. The electromagnetic waves or fields being measured, however, may be attenuated and/or distorted by a number of factors including soil moisture, corrosion, and proximity to other surface and subsurface structures. A discussion of the limitations of each method follows.

5.1 EM-61

The EM-61 is capable of detecting a 55-gallon drum up to a depth of 3 meters under favorable conditions. We recommended a minimum 10-foot buffer between the survey area and any metallic or metal bearing surface cultural features such as the building, metallic fencing, the steel sign pole, reinforced concrete and two possible fill ports, which could severely compromise the quality of the data. As a result, Spectrum cannot guarantee that metallic USTs are not present beneath or near these features.

5.2 GPR

The performance capability of GPR is dependent on the electrical conductivity of the soil at the site. If the soil conductivity is high, attenuation of the radar signal in the soil can severely restrict the maximum penetration depth of the radar signal. Under favorable conditions depth of penetration can be greater than 10 feet; however, average depths of GPR penetration in Southern California tend to range between 2-5 feet. Soils high in clay content and moisture will have higher signal attenuation. GPR surveys should be performed in the dry season if at all possible, especially at sites located in Southern California.

5.3 Positioning

The features identified in Figure 1 were located using GPS for positioning (sub-meter accuracy). In addition, because the site map and the EM-61 data contour maps were created using GPS for positioning, the anomalies identified may also contain some positioning error. As a result, all features depicted in Figure 1 may be in error with regards to their true GPS position by as much as 3 feet.



Area of Investigation

EM-61 Anomaly

Reinforced Concrete

Electric

Product Line

Vent Line

Conduit

Trend Not Determined

Fence

Proposed Boring Location

N

W E

S

North

Scale: (Feet)

0 10 20 40

***Note: Not all below ground utilities or features may be represented on this map

Know what's below. Call before you dig.

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REVEALING THE SUBSURFACE
8216 LANKERSHIM BLVD, #12
NORTH HOLLYWOOD, CA 91605
Phone: (818) 886-4500
www.spectrum-geophysics.com

MAP: **Geophysical Interpretation Map**

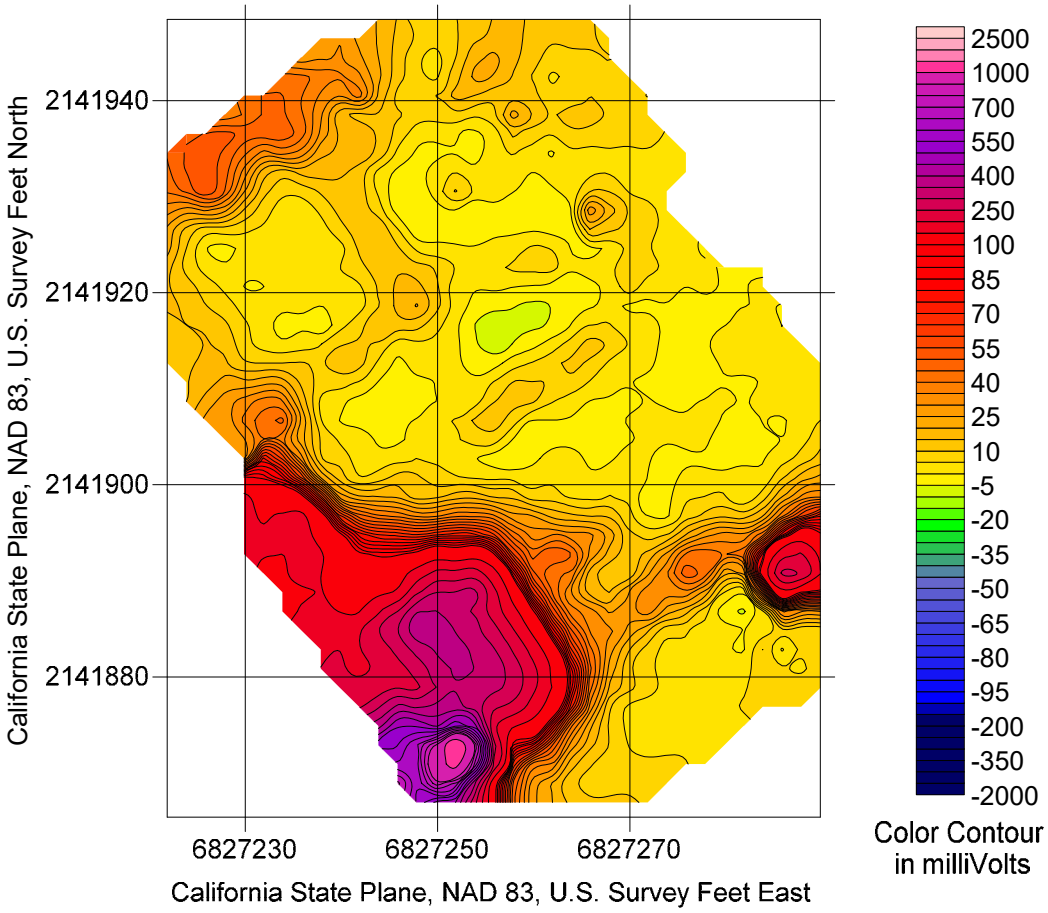
PROJECT: Former Gas Station (BNSF)
25058 W. Main Street
Barstow, California

FIGURE NO.: 1

PREPARED FOR: TRC Solutions, Inc.
Irvine, California

PROJECT NO.: 7268

SCALE	FIGURE BY	REVIEWED BY	DATE
1 inch = 20 feet	RJW	BAU	10/17/2022



N
W E
S

Scale in feet

0 10 20

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www.spectrum-geophysics.com

MAP
Contour Map of EM-61 Differential Data

FIGURE NO.
2

PROJECT
Former Gas Station (BNSF)
25058 W. Main Street
Barstow, California

PREPARED FOR
TRC Solutions, Inc.
Irvine, California

PROJECT NO.
6792

SCALE	FIGURE BY	REVIEWED BY	DATE
1 inch = 20 feet	RJW	BAU	10/17/2022

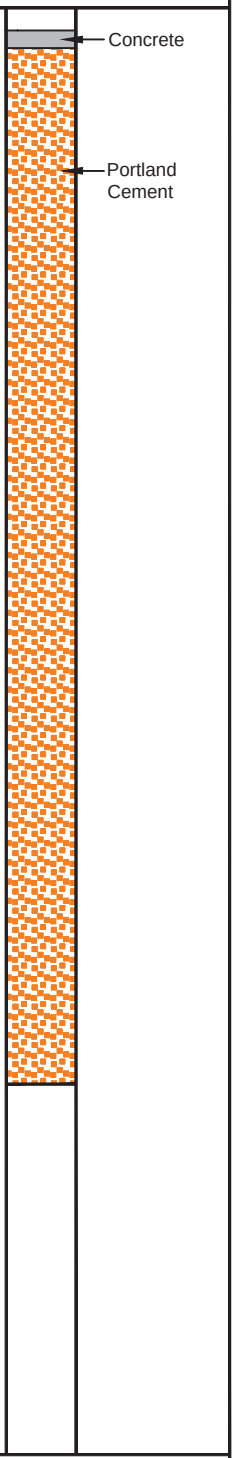
PROJECT NO.:	512976.0000.0000	DATE DRILLED:	September 29, 2022
LOCATION:	BNSF - De La Rosa Property	LOGGED BY:	J. Maldonado
	25058 West Main Street	APPROVED BY:	M. Eaton, PG
	Barstow, California	DRILLING CO./RIG:	MR Drilling / LAR

DRILLING METHOD: 8-inch Hollow Stem Auger
SAMPLER TYPE: California Modified Split Spoon
TOTAL DEPTH: 30 feet OBSERVED DEPTH TO WATER: NA

BLOWS PER 6 INCHES	PID (ppm)	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS
			0	Surface Material: ~4-inches of Asphalt. Air-knifed to 5 fbg.	
20/30/33	0		6	SILTY SAND: brownish yellow (10YR 6/8), very dense, dry, fine-grained, trace fine sub-angular gravel, poorly graded.	SM
18/24/30	0		10		
21/25/29	0.3		16	SAND: brownish yellow (10YR 6/8), very dense, dry, fine- to coarse-grained, trace fine sub-angular gravel, well graded.	SW
19/23/27	0.2		20	SAND: brownish yellow (10YR 6/8), very dense, fine- to medium-grained, trace fine sub-angular gravel, poorly graded.	SP
23/26/30	0.5		26		
30/35/38	0.6		30	Bottom of boring 30 fbg	
			40		

GRAPHIC LOG

BORING CONSTRUCTION DETAIL



TRC

LOG OF EXPLORATORY BORING

(SEE BORING LOG KEY FOR LEGEND)

B1

L:\Graphics\ProjectsbyName\BNSF – DeLaRosa\512976\DeLaRosa_BLOGs_B1–B6.dwg; B1, Oct 11, 2022–10:09am rcollins

PROJECT NO.:	512976.0000.0000	DATE DRILLED:	September 29, 2022
LOCATION:	BNSF - De La Rosa Property	LOGGED BY:	J. Maldonado
	25058 West Main Street	APPROVED BY:	M. Eaton, PG
	Barstow, California	DRILLING CO./RIG:	MR Drilling / Hand Auger

DRILLING METHOD: 4-inch Hand Auger

SAMPLER TYPE: Hand Auger

TOTAL DEPTH: 10 feet OBSERVED DEPTH TO WATER: NA

BLOWS PER 6 INCHES	PID (ppm)	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS	GRAPHIC LOG	BORING CONSTRUCTION DETAIL
			0	Surface Material: ~4-inches of Asphalt. Hand Augered to 10 fbg.			Concrete
	1.2		4	SILTY SAND: brownish yellow (10YR 6/8), loose, dry, fine-grained, poorly graded.	SM		Portland Cement
	0.2		10	Bottom of boring 10 fbg			

TRC

LOG OF EXPLORATORY BORING

(SEE BORING LOG KEY FOR LEGEND)

B2

L:\Graphics\ProjectsbyName\BNSF – DeLaRosa\512976\DeLaRosa_BLOGs_B1–B6.dwg; B2, Oct 11, 2022–10:09am rcollins

PROJECT NO.:	512976.0000.0000	DATE DRILLED:	September 29, 2022
LOCATION:	BNSF - De La Rosa Property	LOGGED BY:	J. Maldonado
	25058 West Main Street	APPROVED BY:	M. Eaton, PG
	Barstow, California	DRILLING CO./RIG:	MR Drilling / Hand Auger

DRILLING METHOD: 4-inch Hand Auger

SAMPLER TYPE: Hand Auger

TOTAL DEPTH: 8 feet OBSERVED DEPTH TO WATER: NA

BLOWS PER 6 INCHES	PID (ppm)	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS	GRAPHIC LOG	BORING CONSTRUCTION DETAIL
			0	Surface Material: 8-inches of Concrete. Hand Augered to 8 fbg.			Concrete
	0.1		4	SAND: yellowish brown (10YR 5/4), loose, dry, fine- to medium-grained, trace fine sub-angular gravel and cobbles, poorly graded.	SP		Portland Cement
	0.6		8	Refusal at 8 fbg.			
				Bottom of boring 8 fbg			

TRC

LOG OF EXPLORATORY BORING

(SEE BORING LOG KEY FOR LEGEND)

B3

L:\Graphics\ProjectsbyName\BNSF – DeLaRosa\512976\DeLaRosa_BLOGs_B1–B6.dwg; B3, Oct 11, 2022–10:09am rcollins

PROJECT NO.:	512976.0000.0000	DATE DRILLED:	September 29, 2022
LOCATION:	BNSF - De La Rosa Property	LOGGED BY:	J. Maldonado
	25058 West Main Street	APPROVED BY:	M. Eaton, PG
	Barstow, California	DRILLING CO./RIG:	MR Drilling / LAR

DRILLING METHOD: 8-inch Hollow Stem Auger

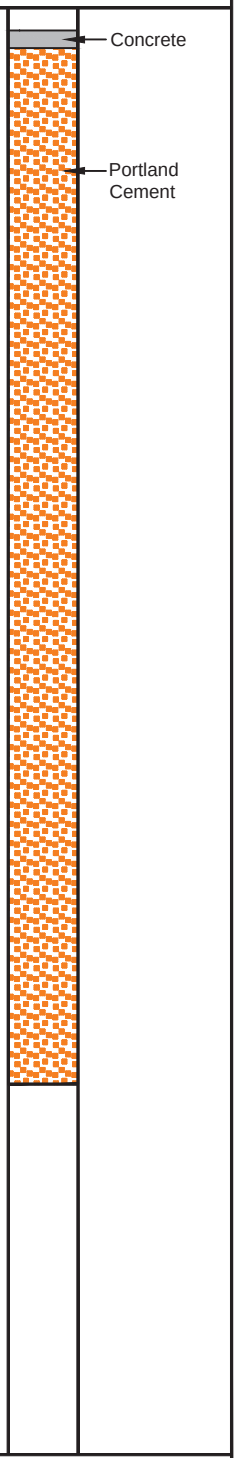
SAMPLER TYPE: California Modified Split Spoon

TOTAL DEPTH: 30 feet OBSERVED DEPTH TO WATER: NA

BLOWS PER 6 INCHES	PID (ppm)	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS
			0	Surface Material: ~2-inches of Asphalt. Air-knifed to 5 fbg.	
7/8/10	0		6	SILTY SAND: brownish yellow (10YR 6/8), medium dense, dry, fine-grained, trace fine sub-angular gravel, poorly graded.	SM
11/13/15	0		10	SAND: brownish yellow (10YR 6/8), medium dense, moist, fine- to medium-grained, trace fine sub-angular gravel, well graded.	SW
13/13/15	0.4		16		
15/17/20	0.3		20	SAND: brownish yellow (10YR 6/8), dense, moist, fine- to medium-grained, trace fine sub-angular gravel, poorly graded.	SP
14/16/18	1.7		26		
17/20/35	1.4		30	Very dense, fine-grained.	
				Bottom of boring 30 fbg	

GRAPHIC LOG

BORING CONSTRUCTION DETAIL



TRC

LOG OF EXPLORATORY BORING

(SEE BORING LOG KEY FOR LEGEND)

B4

L:\Graphics\ProjectsbyName\BNSF – DeLaRosa\512976\DeLaRosa_BLOGs_B1–B6.dwg; B4, Oct 11, 2022–10:09am rcollins

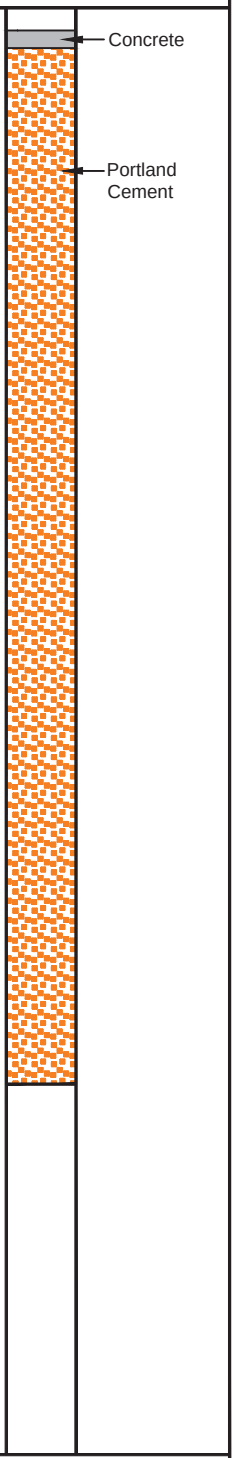
PROJECT NO.:	512976.0000.0000	DATE DRILLED:	September 30, 2022
LOCATION:	BNSF - De La Rosa Property	LOGGED BY:	J. Maldonado
	25058 West Main Street	APPROVED BY:	M. Eaton, PG
	Barstow, California	DRILLING CO./RIG:	MR Drilling / LAR

DRILLING METHOD: 8-inch Hollow Stem Auger
SAMPLER TYPE: California Modified Split Spoon
TOTAL DEPTH: 30 feet OBSERVED DEPTH TO WATER: NA

BLOWS PER 6 INCHES	PID (ppm)	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS
			0	Surface Material: Asphalt. Air-knifed to 5 fbg.	
13/13/15	0.6		6	SILTY SAND: pale brown (10YR 6/3), medium dense, dry, trace fine sub-angular gravel, fine-grained, poorly graded.	SM
13/16/20	0.9		10	SAND: brownish yellow (10YR 6/8), dense, dry, fine- to medium-grained, trace fine sub-angular gravel, poorly graded.	SP
12/13/17	0.3		16	SAND: brownish yellow (10YR 6/8), dense, dry, fine- to coarse-grained, trace fine sub-angular gravel, well graded.	SW
16/19/20	0.5		20	Moist.	
12/15/20	0.8		26	SAND: brownish yellow (10YR 6/8), dense, moist, fine- to medium-grained, trace fine sub-angular gravel, poorly graded.	SP
14/21/24	0.7		30	Bottom of boring 30 fbg	
			40		

GRAPHIC LOG

BORING CONSTRUCTION DETAIL



TRC

LOG OF EXPLORATORY BORING

(SEE BORING LOG KEY FOR LEGEND)

B5

L:\Graphics\ProjectsbyName\BNSF – DeLaRosa\512976\DeLaRosa_BLOGs_B1–B6.dwg; B5, Oct 11, 2022–10:10am rcollins

PROJECT NO.:	512976.0000.0000	DATE DRILLED:	September 30, 2022
LOCATION:	BNSF - De La Rosa Property	LOGGED BY:	J. Maldonado
	25058 West Main Street	APPROVED BY:	M. Eaton, PG
	Barstow, California	DRILLING CO./RIG:	MR Drilling / Hand Auger

DRILLING METHOD: 4-inch Hand Auger

SAMPLER TYPE: Hand Auger

TOTAL DEPTH: 10 feet OBSERVED DEPTH TO WATER: NA

BLOWS PER 6 INCHES	PID (ppm)	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS	GRAPHIC LOG	BORING CONSTRUCTION DETAIL
			0	Surface Material: Concrete. Hand Augered to 10 fbg.			Concrete
	0.8		4	SANDY SILT: pale brown (10YR 6/3), soft, dry, fine-grained, low plasticity.	ML		Portland Cement
			8	SAND: brownish yellow (10YR 6/8), loose, fine- to medium-grained, trace fine sub-angular gravel, poorly graded.	SP		
	0		10	Bottom of boring 10 fbg			

TRC

LOG OF EXPLORATORY BORING

(SEE BORING LOG KEY FOR LEGEND)

B6

L:\Graphics\ProjectsbyName\BNSF – DeLaRosa\512976\DeLaRosa_BLOGs_B1–B6.dwg; B6, Oct 11, 2022–10:10am rcollins

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/A

2. Page 1 of: 1

3. Emergency Response Phone: 909-322-0724

4. Waste Tracking Number: NHWM - M9882

GENERATOR

5. Generator's Name and Mailing Address
BNSF Railway Co
740 E Carnegie Dr
San Bernardino CA 92408
Generator's Phone: 909 386-4062

Att: Derek Brady

Generator's Site Address (if different than mailing address)
BNSF Railway Company
25058 West Main Street
Barstow CA 92311

6. Transporter 1 Company Name: Environmental Logistics, Inc.
U.S. EPA ID Number: CAR000172460

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Hazmat TSDF Inc.
180 W. Monte Avenue
Bloomington CA 92316
Facility's Phone: 909 421-2012
U.S. EPA ID Number: CAD982444481

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous Waste Solid (Soil Cuttings)	7	DM	4200	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
W/O# M9882

1)(S) Soil Cuttings - 22101103 Soil Cuttings 100% C4-C10-ND C10-C28-ND C28-C35-ND

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: MIKE FALCON AUTHORIZED AGENT FOR BNSF RAILWAY CO
Signature:
Month: 10 Day: 13 Year: 22

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MIKE FALCON
Signature:
Month: 10 Day: 13 Year: 22

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Rudy Herrera
Signature:
Month: 10 Day: 14 Year: 22

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: October 10, 2022

Mr. Jose Maldonado
TRC Solution, Inc.
6 Executive Circle, #200
Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

Project: **BNSF - De La Rosa**
Lab I.D.: **220930-31**

Dear Mr. Maldonado:

The **analytical results** for the soil sample, received by our laboratory on September 30, 2022, are attached. The sample was received chilled, intact, and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Pearl Wong
Quality Manager

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or Manager's Designee, as verified by the above signature which applies to this PDF File as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of ELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: Jmaldonado@ TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

TOTAL PETROLEUM HYDROCARBONS(TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C10-C28	C28-C35	DF
Waste Profile	220930-31	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

COMMENTS:
C4-C10 = GASOLINE RANGE
C10-C28 = DIESEL RANGE
C28-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 10/4/2022 **Units:** mg/Kg (ppm)

Matrix: Soil/Solid/Sludge/Liquid

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 220930-12 MS/MSD

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0.00	200	199	**100%**	203	**101%**	**2%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	%REC	ACP
C10~C28 Range	200	212	**106%**	**75-125**

Analyzed and Reviewed By: KL

Final Reviewer:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc.**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO
DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **Waste Profile** LAB I.D.: 220930-31

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	5.73	0.5	1	500	5.0	6010B
Barium(Ba)	62.0	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	12.8	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	5.00	1.0	1	8,000	80	6010B
Copper(Cu)	11.8	1.0	1	2,500	25	6010B
Lead(Pb)	3.97	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.030	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	6.88	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	30.9	5.0	1	2,400	24	6010B
Zinc(Zn)	30.1	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **TRC Solutions, Inc.**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

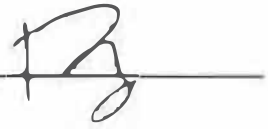
PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO
DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

METHOD BLANK LAB I.D.: 220930-31

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	ND	0.5	1	500	5.0	6010B
Barium(Ba)	ND	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	1	8,000	80	6010B
Copper(Cu)	ND	1.0	1	2,500	25	6010B
Lead(Pb)	ND	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	ND	5.0	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 10/2/2022

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	220930-8	50.0	107	PASS	4.43	50.0	53.5	98%	54.5	100%	2%
Chromium(Cr)	220930-8	50.0	105	PASS	14.2	50.0	59.2	90%	59.7	91%	1%
Lead(Pb)	220930-8	50.0	100	PASS	2.71	50.0	46.2	87%	47.4	89%	3%

ANALYSIS DATE. : 10/3/2022

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	220930-6	0.125	93	PASS	0	0.125	0.111	89%	0.109	87%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	PASS	PASS	PASS	PASS
Chromium(Cr)	PASS	PASS	PASS	PASS
Lead(Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF ~ De La Rosa**
MATRIX:SOIL DATE RECEIVED:09/30/22
SAMPLING DATE:09/30/22 DATE ANALYZED:10/04/22
REPORT TO:Mr. JOSE MALDONADO DATE REPORTED:10/10/22

SAMPLE I.D.: **Waste Profile** LAB I.D.: 220930-31

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **Waste Profile** LAB I.D.: 220930-31

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

METHOD BLANK LAB I.D.: 220930-31

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX: SOIL
SAMPLING DATE: 09/30/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE ANALYZED: 10/04/22
DATE REPORTED: 10/10/22

METHOD BLANK LAB I.D.: 220930-31

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 10/4-5/22 **Matrix:** Solid/Soil/Liquid
Machine: B **Unit:** mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 220930-29 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.046	92%	0.050	100%	8%	75-125	0-20
Chlorobenzene	0	0.050	0.044	88%	0.048	96%	8%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.038	76%	0.046	92%	16%	75-125	0-20
Toluene	0	0.050	0.044	88%	0.049	98%	10%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.058	116%	0.056	112%	4%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.049	98%	75-125
Chlorobenzene	0.050	0.048	96%	75-125
Chloroform	0.050	0.049	98%	75-125
1,1-Dichlorothene	0.050	0.045	90%	75-125
Ethylbenzene	0.050	0.050	100%	75-125
o-Xylene	0.050	0.050	100%	75-125
m,p-Xylene	0.100	0.079	79%	75-125
Toluene	0.050	0.048	96%	75-125
1,1,1-Trichloroethane	0.050	0.050	100%	75-125
Trichloroethene (TCE)	0.050	0.057	114%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**M-BLK**	**220930-29**	**220930-30**	**220930-31**	**220930-124**	**220930-125**	**220930-126**
Dibromofluoromethane	50.0	70-130	112%	113%	115%	112%	120%	115%	116%
Toluene-d8	50.0	70-130	104%	104%	104%	104%	104%	104%	103%
4-Bromofluorobenzene	50.0	70-130	94%	96%	97%	94%	95%	95%	94%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**220930-127**	**220930-128**	**220930-129**	**220930-130**	**220930-131**	**220930-132**	**220930-133**
Dibromofluoromethane	50.0	70-130	121%	122%	119%	121%	112%	123%	115%
Toluene-d8	50.0	70-130	105%	104%	105%	104%	106%	104%	99%
4-Bromofluorobenzene	50.0	70-130	94%	94%	95%	93%	93%	95%	83%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**220930-134**	**220930-135**	**220930-136**	**220930-137**	**220930-138**	**220930-139**	**220930-140**
Dibromofluoromethane	50.0	70-130	107%	126%	110%	111%	119%	120%	117%
Toluene-d8	50.0	70-130	104%	106%	104%	99%	106%	106%	102%
4-Bromofluorobenzene	50.0	70-130	86%	93%	84%	77%	92%	94%	93%

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By:

Final Reviewer:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **Waste Profile** LAB I.D.: 220930-31

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **Waste Profile** LAB I.D.: 220930-31

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

METHOD BLANK LAB I.D.: 220930-31

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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METHOD BLANK REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX: SOIL
SAMPLING DATE: 09/30/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE EXTRACTED: 10/03/22
DATE ANALYZED: 10/04/22
DATE REPORTED: 10/10/22

METHOD BLANK LAB I.D.: 220930-31

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8270C QA/QC Report

Matrix: **Soil/Solid/Sludge/Oil** Unit: mg/Kg (PPM)

Date Analyzed: **10/4/2022**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **220930-7 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
Phenol	0.0	2.00	2.30	**115%**	2.24	**112%**	**2%**	50-150	0-20
Pyrene	0.0	2.00	2.33	**116%**	2.20	**110%**	**6%**	50-150	0-20

Laboratory Control Spike (LCS):

Analyte	spk conc	LCS	% RC	ACP %RC
Phenol	2.00	2.32	**116%**	75-125
1,4-Dichlorobenzene	2.00	2.16	**108%**	75-125
2,4-Dichlorophenol	2.00	2.08	**104%**	75-125
Hexachlorobutadiene	2.00	2.02	**101%**	75-125
4-Chloro-3-methylphenol	2.00	2.46	**123%**	75-125
Fluoranthene	2.00	2.02	**101%**	75-125

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**MB**	**220930-7**	**220930-8**	**220930-12**	**220930-13**	**220930-14**	**220930-15**
2-Fluorophenol	40	25-121	53%	60%	56%	61%	51%	56%	65%
Phenol-d5	40	24-113	90%	91%	86%	97%	79%	85%	82%
Nitrobenzene-d5	40	23-120	89%	89%	87%	92%	78%	86%	83%
2-Fluorobiphenyl	40	30-115	104%	99%	98%	106%	93%	101%	95%
2,4,6-Tribromophenol	40	19-122	72%	66%	63%	63%	55%	57%	56%
Terphenyl-d14	40	18-137	111%	139*%	136%	131%	133*%	117%	107%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**220930-16**	**220930-17**	**220930-18**	**220930-22**	**220930-23**	**220930-24**	**220930-28**
2-Fluorophenol	40	25-121	62%	39%	59%	53%	56%	55%	61%
Phenol-d5	40	24-113	88%	78%	87%	81%	86%	78%	87%
Nitrobenzene-d5	40	23-120	86%	76%	87%	83%	87%	81%	87%
2-Fluorobiphenyl	40	30-115	100%	93%	106%	95%	105%	100%	106%
2,4,6-Tribromophenol	40	19-122	65%	48%	58%	51%	56%	50%	55%
Terphenyl-d14	40	18-137	128%	127%	108%	93%	129%	139*%	130%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**220930-29**	**220930-30**	**220930-31**				
2-Fluorophenol	40	25-121	55%	54%	59%				
Phenol-d5	40	24-113	78%	79%	81%				
Nitrobenzene-d5	40	23-120	78%	79%	81%				
2-Fluorobiphenyl	40	30-115	98%	101%	99%				
2,4,6-Tribromophenol	40	19-122	48%	47%	48%				
Terphenyl-d14	40	18-137	113%	115%	113%				

** = Surrogate fail due to matrix interference*

Note: LCS, MS, MSD are in control therefore results are in control.

Analyzed and Reviewed By:

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/03&04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **Waste Profile** LAB I.D.: 220930-31

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/03/22
DATE REPORTED:10/10/22

METHOD BLANK LAB I.D.: 220930-31

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081A QA/QC Report

Matrix: **Soil/Solid/Liquid(Oil)** Date Analyzed: **10/3/2022**

Unit: **mg/Kg (ppm)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 221003-LCS 3/4

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.00500	0.00480	**96%**	0.00484	**97%**	**1%**	**0-20%**	**70-130**
Aldrin	0.000	0.00500	0.00610	**122%**	0.00602	**120%**	**1%**	**0-20%**	**70-130**
4,4-DDE	0.000	0.00500	0.00565	**113%**	0.00514	**103%**	**9%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00384	**77%**	**75-125**
Aldrin	0.00500	0.00528	**106%**	**75-125**
4,4-DDE	0.00500	0.00514	**103%**	**75-125**
Dieldrin	0.00500	0.00480	**96%**	**75-125**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	220930-7	220930-8	220930-12	220930-13	220930-14	220930-15
Tetra-chloro-meta-xylene	50-150	100%	92%	83%	131%	86%	121%	100%
Decachlorobiphenyl	50-150	72%	83%	75%	59%	78%	76%	71%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		220930-16	220930-17	220930-18	220930-22	220930-23	220930-24	220930-28
Tetra-chloro-meta-xylene	50-150	102%	113%	136%	129%	111%	84%	140%
Decachlorobiphenyl	50-150	72%	63%	74%	68%	64%	82%	75%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		220930-29	220930-30	220930-31				
Tetra-chloro-meta-xylene	50-150	99%	85%	125%				
Decachlorobiphenyl	50-150	59%	79%	75%				

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: KL

Final Reviewer:

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Soil/Solid/Liquid** Date Analyzed: **10/3~4/2022**

Unit: mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 221003-LCS 1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	0.00	0.100	0.121	**121%**	0.122	**122%**	**1%**	**0-20%**	**70-130**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.077	**77%**	**75-125**

S.R. = Sample Result
spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: KL

Final Reviewer:

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Title 22 Metals	EPA 6010	TPH-g, D, O	EPA 8015	VOCs	EPA 8260B	SVOCs / PAHs	EPA 8270	Pesticides	PCBs	STLC / TCLP *	Misc./PO#	COMMENTS
								Analysis Required												
Waste Profile	220430-37	04/30/22	1100	S	6		Yes	x	x		x	x		x		x	x			* Run STLC/TCLP if needed

Company Name: TRC Solutions
Address: 6 Executive Circle, #200
City/State/Zip: Irvine, CA 92614

Project Contact: Matt Eaton
Jose Maldonado
949-679-1129
Tel: 661-520-8414
meaton@trccompanies.com
Fax/Email: jmaldonado@trccompanies.com

Sampler's Signature:
Project Name/ID: BNSF - De La Rosa

Relinquished by: Jose Maldonado	Received by:	Date & Time: 04/30/22 1705	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: October 10, 2022

Mr. Jose Maldonado
TRC Solution, Inc.
6 Executive Circle, #200
Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

Project: **BNSF - De La Rosa**
Lab I.D.: **220930-7 through -30, -30A**

Dear Mr. Maldonado:

The **analytical results** for the soil and water samples, received by our laboratory on September 30, 2022, are attached. The samples were received chilled, intact, and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Pearl Wong
Quality Manager

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or Manager's Designee, as verified by the above signature which applies to this PDF File as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of ELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX: SOIL
SAMPLING DATE: 09/29&30/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE EXTRACTED: 10/03/22
DATE ANALYZED: 10/04/22
DATE REPORTED: 10/10/22

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C10-C28	C28-C35	DF
B1-5	220930-7	ND	ND	ND	1
B1-10	220930-8	ND	ND	ND	1
B1-30	220930-12	ND	ND	ND	1
B2-5	220930-13	ND	ND	ND	1
B2-10	220930-14	ND	ND	ND	1
B3-5	220930-15	ND	ND	ND	1
B3-8	220930-16	ND	ND	ND	1
B4-5	220930-17	ND	ND	ND	1
B4-10	220930-18	ND	ND	ND	1
B4-30	220930-22	ND	ND	ND	1
B5-5	220930-23	ND	ND	ND	1
B5-10	220930-24	ND	ND	ND	1
B5-30	220930-28	ND	ND	ND	1
B6-5	220930-29	ND	ND	ND	1
B6-10	220930-30	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

COMMENTS:
C4-C10 = GASOLINE RANGE
C10-C28 = DIESEL RANGE
C28-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 10/4/2022 **Units:** mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 220930-12 MS/MSD

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0.00	200	199	**100%**	203	**101%**	**2%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	%REC	ACP
C10~C28 Range	200	212	**106%**	**75-125**

Analyzed and Reviewed By: KL

Final Reviewer:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL — DATE RECEIVED:09/30/22
SAMPLING DATE:09/29/22 — DATE ANALYZED:10/02&03/22
REPORT TO:Mr. JOSE MALDONADO — DATE REPORTED:10/10/22

SAMPLE I.D.: **B1-5** — LAB I.D.: 220930-7

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	4.58	0.5	1	500	5.0	6010B
Barium(Ba)	41.9	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	9.11	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	3.73	1.0	1	8,000	80	6010B
Copper(Cu)	11.2	1.0	1	2,500	25	6010B
Lead(Pb)	2.97	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	4.53	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	22.9	5.0	1	2,400	24	6010B
Zinc(Zn)	23.6	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B1-10**

LAB I.D.: 220930-8

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	4.43	0.5	1	500	5.0	6010B
Barium(Ba)	40.3	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	14.2	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	3.44	1.0	1	8,000	80	6010B
Copper(Cu)	8.93	1.0	1	2,500	25	6010B
Lead(Pb)	2.71	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	4.56	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	22.3	5.0	1	2,400	24	6010B
Zinc(Zn)	17.5	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL — DATE RECEIVED:09/30/22
SAMPLING DATE:09/29/22 — DATE ANALYZED:10/02&03/22
REPORT TO:Mr. JOSE MALDONADO — DATE REPORTED:10/10/22

SAMPLE I.D.: **B1-30** — LAB I.D.: 220930-12

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	3.89	0.5	1	500	5.0	6010B
Barium(Ba)	53.1	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	11.3	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	2.80	1.0	1	8,000	80	6010B
Copper(Cu)	8.21	1.0	1	2,500	25	6010B
Lead(Pb)	2.31	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	3.88	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	18.1	5.0	1	2,400	24	6010B
Zinc(Zn)	17.6	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B2-5**
LAB I.D.: 220930-13

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	3.84	0.5	1	500	5.0	6010B
Barium(Ba)	32.0	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	8.42	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	3.28	1.0	1	8,000	80	6010B
Copper(Cu)	7.45	1.0	1	2,500	25	6010B
Lead(Pb)	2.71	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	3.99	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	20.6	5.0	1	2,400	24	6010B
Zinc(Zn)	17.8	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B2-10**

LAB I.D.: 220930-14

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	3.99	0.5	1	500	5.0	6010B
Barium(Ba)	41.7	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	10.6	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	4.14	1.0	1	8,000	80	6010B
Copper(Cu)	9.15	1.0	1	2,500	25	6010B
Lead(Pb)	3.05	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	4.92	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	26.6	5.0	1	2,400	24	6010B
Zinc(Zn)	21.0	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B3-5**
LAB I.D.: 220930-15

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	4.18	0.5	1	500	5.0	6010B
Barium(Ba)	42.3	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	9.13	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	3.51	1.0	1	8,000	80	6010B
Copper(Cu)	8.68	1.0	1	2,500	25	6010B
Lead(Pb)	9.50	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	4.19	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	26.0	5.0	1	2,400	24	6010B
Zinc(Zn)	24.2	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B3-8**
LAB I.D.: 220930-16

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	3.93	0.5	1	500	5.0	6010B
Barium(Ba)	46.1	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	9.68	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	4.03	1.0	1	8,000	80	6010B
Copper(Cu)	9.48	1.0	1	2,500	25	6010B
Lead(Pb)	5.88	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	5.10	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	23.1	5.0	1	2,400	24	6010B
Zinc(Zn)	23.4	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-5** LAB I.D.: 220930-17

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	6.44	0.5	1	500	5.0	6010B
Barium(Ba)	51.4	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	14.2	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	5.41	1.0	1	8,000	80	6010B
Copper(Cu)	12.8	1.0	1	2,500	25	6010B
Lead(Pb)	3.61	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	6.61	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	35.0	5.0	1	2,400	24	6010B
Zinc(Zn)	27.8	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-10**
LAB I.D.: 220930-18

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	3.65	0.5	1	500	5.0	6010B
Barium(Ba)	24.8	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	7.56	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	3.37	1.0	1	8,000	80	6010B
Copper(Cu)	6.61	1.0	1	2,500	25	6010B
Lead(Pb)	2.53	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	3.20	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	24.4	5.0	1	2,400	24	6010B
Zinc(Zn)	14.1	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
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STLC = Soluble Threshold Limit Concentration
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-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-30**

LAB I.D.: 220930-22

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	4.47	0.5	1	500	5.0	6010B
Barium(Ba)	43.1	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	12.1	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	3.66	1.0	1	8,000	80	6010B
Copper(Cu)	10.3	1.0	1	2,500	25	6010B
Lead(Pb)	2.87	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	5.07	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	23.7	5.0	1	2,400	24	6010B
Zinc(Zn)	21.4	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
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STLC = Soluble Threshold Limit Concentration
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*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX: SOIL
SAMPLING DATE: 09/30/22
REPORT TO: Mr. JOSE MALDONADO
DATE RECEIVED: 09/30/22
DATE ANALYZED: 10/02&03/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B5-5**
LAB I.D.: 220930-23

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	5.42	0.5	1	500	5.0	6010B
Barium(Ba)	43.9	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	10.5	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	4.26	1.0	1	8,000	80	6010B
Copper(Cu)	10.2	1.0	1	2,500	25	6010B
Lead(Pb)	3.49	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	5.02	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	25.9	5.0	1	2,400	24	6010B
Zinc(Zn)	22.4	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO
DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B5-10** LAB I.D.: 220930-24

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	3.89	0.5	1	500	5.0	6010B
Barium(Ba)	68.8	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	9.69	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	3.97	1.0	1	8,000	80	6010B
Copper(Cu)	8.54	1.0	1	2,500	25	6010B
Lead(Pb)	3.24	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	4.24	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	27.8	5.0	1	2,400	24	6010B
Zinc(Zn)	17.1	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL — DATE RECEIVED:09/30/22
SAMPLING DATE:09/30/22 — DATE ANALYZED:10/02&03/22
REPORT TO:Mr. JOSE MALDONADO — DATE REPORTED:10/10/22

SAMPLE I.D.: **B5-30** — LAB I.D.: 220930-28

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	4.36	0.5	1	500	5.0	6010B
Barium(Ba)	63.4	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	7.12	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	2.61	1.0	1	8,000	80	6010B
Copper(Cu)	8.08	1.0	1	2,500	25	6010B
Lead(Pb)	2.65	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	3.70	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	17.0	5.0	1	2,400	24	6010B
Zinc(Zn)	18.7	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1559

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B6-5**

LAB I.D.: 220930-29

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	6.73	0.5	1	500	5.0	6010B
Barium(Ba)	83.0	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	13.2	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	5.54	1.0	1	8,000	80	6010B
Copper(Cu)	14.9	1.0	1	2,500	25	6010B
Lead(Pb)	5.38	0.5	1	1,000	5.0	6010B
Mercury(Hg)	0.017	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	7.58	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	28.9	5.0	1	2,400	24	6010B
Zinc(Zn)	33.1	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B6-10**

LAB I.D.: 220930-30

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	4.13	0.5	1	500	5.0	6010B
Barium(Ba)	37.3	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	9.37	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	-	500	5.0	7196A
Cobalt(Co)	3.80	1.0	1	8,000	80	6010B
Copper(Cu)	8.42	1.0	1	2,500	25	6010B
Lead(Pb)	2.81	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	4.31	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	26.1	5.0	1	2,400	24	6010B
Zinc(Zn)	18.9	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29&30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02&03/22
DATE REPORTED:10/10/22

METHOD BLANK LAB I.D.:
220930-7, -8, -12 THROUGH -18, -22, -23, -24, -28 THROUGH -30

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	1	500	15	6010B
Arsenic(As)	ND	0.5	1	500	5.0	6010B
Barium(Ba)	ND	5.0	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	1.0	--	500	5.0	7196A
Cobalt(Co)	ND	1.0	1	8,000	80	6010B
Copper(Cu)	ND	1.0	1	2,500	25	6010B
Lead(Pb)	ND	0.5	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	1	2,000	20	6010B
Selenium(Se)	ND	1.0	1	100	1.0	6010B
Silver(Ag)	ND	1.0	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	1	700	7.0	6010B
Vanadium(V)	ND	5.0	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis needed, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
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DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 10/2/2022 — **Unit : mg/Kg(ppm)**

Analysis	Spk.Sample ID	CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	220930-8	50.0	107	PASS	4.43	50.0	53.5	98%	54.5	100%	2%
Chromium(Cr)	220930-8	50.0	105	PASS	14.2	50.0	59.2	90%	59.7	91%	1%
Lead(Pb)	220930-8	50.0	100	PASS	2.71	50.0	46.2	87%	47.4	89%	3%

ANALYSIS DATE. : 10/3/2022

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	220930-6	0.125	93	PASS	0	0.125	0.111	89%	0.109	87%	1%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	PASS	PASS	PASS	PASS
Chromium(Cr)	PASS	PASS	PASS	PASS
Lead(Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	**75 ~ 125**	**75 ~ 125**	**85 ~ 115**	**0 ~ 20**

ANALYST: _____

FINAL REVIEWER: _____

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX: SOIL
SAMPLING DATE: 09/29/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE ANALYZED: 10/02/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B1-5**
LAB I.D.: 220930-7

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX: SOIL
SAMPLING DATE: 09/29/22
REPORT TO: Mr. JOSE MALDONADO
DATE RECEIVED: 09/30/22
DATE ANALYZED: 10/02/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B1-5** LAB I.D.: 220930-7

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B1-10**
LAB I.D.: 220930-8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

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PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
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SAMPLE I.D.: **B1-10**

LAB I.D.: 220930-8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B1-30**

LAB I.D.: 220930-12

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B1-30**
LAB I.D.: 220930-12

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B2-5**
LAB I.D.: 220930-13

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL DATE RECEIVED:09/30/22
SAMPLING DATE:09/29/22 DATE ANALYZED:10/02/22
REPORT TO:Mr. JOSE MALDONADO DATE REPORTED:10/10/22

SAMPLE I.D.: **B2-5** LAB I.D.: 220930-13

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX: SOIL
SAMPLING DATE: 09/29/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE ANALYZED: 10/02/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B2-10**
LAB I.D.: 220930-14

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B2-10**
LAB I.D.: 220930-14

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO
DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B3-5** LAB I.D.: 220930-15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

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PROJECT: **BNSF - De La Rosa**
MATRIX: SOIL
SAMPLING DATE: 09/29/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE ANALYZED: 10/02/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B3-5**
LAB I.D.: 220930-15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B3-8**

LAB I.D.: 220930-16

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B3-8**
LAB I.D.: 220930-16

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX: SOIL
SAMPLING DATE: 09/29/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE ANALYZED: 10/02/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B4-5**
LAB I.D.: 220930-17

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-5**
LAB I.D.: 220930-17

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO
DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-10** LAB I.D.: 220930-18

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL DATE RECEIVED:09/30/22
SAMPLING DATE:09/29/22 DATE ANALYZED:10/02/22
REPORT TO:Mr. JOSE MALDONADO DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-10** LAB I.D.: 220930-18

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO
DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-30** LAB I.D.: 220930-22

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO
DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-30** LAB I.D.: 220930-22

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B5-5**
LAB I.D.: 220930-23

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
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Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO
DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B5-5** LAB I.D.: 220930-23

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B5-10**
LAB I.D.: 220930-24

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO
DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B5-10** LAB I.D.: 220930-24

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL DATE RECEIVED:09/30/22
SAMPLING DATE:09/30/22 DATE ANALYZED:10/02/22
REPORT TO:Mr. JOSE MALDONADO DATE REPORTED:10/10/22

SAMPLE I.D.: **B5-30** LAB I.D.: 220930-28

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX: SOIL
SAMPLING DATE: 09/30/22
REPORT TO: Mr. JOSE MALDONADO
DATE RECEIVED: 09/30/22
DATE ANALYZED: 10/02/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B5-30** LAB I.D.: 220930-28

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX: SOIL
SAMPLING DATE: 09/29&30/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE ANALYZED: 10/02/22
DATE REPORTED: 10/10/22

METHOD BLANK LAB I.D.:
220930-7, -8, -12 THROUGH -18, -22, -23, -24, -28

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/29&30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

METHOD BLANK LAB I.D.:
220930-7, -8, -12 THROUGH -18, -22, -23, -24, -28

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Envlro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 10/2/2022 **Matrix:** Solid/Soil/Liquid
Machine: B **Unit:** mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 220930-7 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.048	96%	0.048	96%	0%	75-125	0-20
Chlorobenzene	0	0.050	0.048	96%	0.046	92%	4%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.043	86%	0.042	84%	2%	75-125	0-20
Toluene	0	0.050	0.048	96%	0.047	94%	2%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.055	110%	0.061	122%	12%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.049	98%	75-125
Chlorobenzene	0.050	0.047	94%	75-125
Chloroform	0.050	0.049	98%	75-125
1,1-Dichlorothene	0.050	0.046	92%	75-125
Ethylbenzene	0.050	0.050	100%	75-125
o-Xylene	0.050	0.051	102%	75-125
m,p-Xylene	0.100	0.079	79%	75-125
Toluene	0.050	0.048	96%	75-125
1,1,1-Trichloroethane	0.050	0.051	102%	75-125
Trichloroethene (TCE)	0.050	0.059	118%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	220930-153	220930-154	220930-155	220930-156	220930-157	220930-158
Dibromofluoromethane	50.0	70-130	110%	112%	114%	112%	114%	117%	113%
Toluene-d8	50.0	70-130	103%	103%	102%	102%	103%	103%	102%
4-Bromofluorobenzene	50.0	70-130	94%	96%	95%	93%	96%	95%	95%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			220930-159	220930-7	220930-8	220930-12	220930-13	220930-14	220930-15
Dibromofluoromethane	50.0	70-130	117%	117%	119%	112%	116%	115%	116%
Toluene-d8	50.0	70-130	104%	104%	104%	103%	105%	104%	103%
4-Bromofluorobenzene	50.0	70-130	94%	95%	96%	95%	94%	94%	95%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			220930-16	220930-17	220930-18	220930-22	220930-23	220930-24	220930-28
Dibromofluoromethane	50.0	70-130	115%	117%	119%	119%	119%	108%	123%
Toluene-d8	50.0	70-130	105%	105%	105%	103%	104%	103%	106%
4-Bromofluorobenzene	50.0	70-130	96%	94%	95%	95%	94%	87%	94%

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B6-5**
LAB I.D.: 220930-29

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B6-5**

LAB I.D.: 220930-29

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B6-10**

LAB I.D.: 220930-30

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
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PROJECT: **BNSF – De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
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SAMPLE I.D.: **B6-10**

LAB I.D.: 220930-30

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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METHOD BLANK REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

METHOD BLANK LAB I.D.: 220930-29, -30

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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PROJECT: **BNSF - De La Rosa**
MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

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DATE ANALYZED:10/04/22
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METHOD BLANK LAB I.D.: 220930-29, -30

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5035/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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8260B QA/QC Report

Date Analyzed: 10/4-5/22 **Matrix:** Solid/Soil/Liquid
Machine: B **Unit:** mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 220930-29 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.046	92%	0.050	100%	8%	75-125	0-20
Chlorobenzene	0	0.050	0.044	88%	0.048	96%	8%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.038	76%	0.046	92%	16%	75-125	0-20
Toluene	0	0.050	0.044	88%	0.049	98%	10%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.058	116%	0.056	112%	4%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.049	98%	75-125
Chlorobenzene	0.050	0.048	96%	75-125
Chloroform	0.050	0.049	98%	75-125
1,1-Dichlorothene	0.050	0.045	90%	75-125
Ethylbenzene	0.050	0.050	100%	75-125
o-Xylene	0.050	0.050	100%	75-125
m,p-Xylene	0.100	0.079	79%	75-125
Toluene	0.050	0.048	96%	75-125
1,1,1-Trichloroethane	0.050	0.050	100%	75-125
Trichloroethene (TCE)	0.050	0.057	114%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	220930-29	220930-30	220930-31	220930-124	220930-125	220930-126
Dibromofluoromethane	50.0	70-130	112%	113%	115%	112%	120%	115%	116%
Toluene-d8	50.0	70-130	104%	104%	104%	104%	104%	104%	103%
4-Bromofluorobenzene	50.0	70-130	94%	96%	97%	94%	95%	95%	94%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			220930-127	220930-128	220930-129	220930-130	220930-131	220930-132	220930-133
Dibromofluoromethane	50.0	70-130	121%	122%	119%	121%	112%	123%	115%
Toluene-d8	50.0	70-130	105%	104%	105%	104%	106%	104%	99%
4-Bromofluorobenzene	50.0	70-130	94%	94%	95%	93%	93%	95%	83%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			220930-134	220930-135	220930-136	220930-137	220930-138	220930-139	220930-140
Dibromofluoromethane	50.0	70-130	107%	126%	110%	111%	119%	120%	117%
Toluene-d8	50.0	70-130	104%	106%	104%	99%	106%	106%	102%
4-Bromofluorobenzene	50.0	70-130	86%	93%	84%	77%	92%	94%	93%

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

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LABORATORY REPORT

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Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B1-5** LAB I.D.: 220930-7

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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SAMPLE I.D.: **B1-5** LAB I.D.: 220930-7

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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SAMPLE I.D.: **B1-10**

LAB I.D.: 220930-8

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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PROJECT: **BNSF - De La Rosa**

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REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
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SAMPLE I.D.: **B1-10** LAB I.D.: 220930-8

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B1-30** LAB I.D.: 220930-12

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

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Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
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DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B1-30** LAB I.D.: 220930-12

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
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CAL-DHS ELAP CERTIFICATE No.: 1555

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Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX: SOIL
SAMPLING DATE: 09/29/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE EXTRACTED: 10/03/22
DATE ANALYZED: 10/04/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B2-5** LAB I.D.: 220930-13

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
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SAMPLE I.D.: **B2-5** LAB I.D.: 220930-13

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
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PROJECT: **BNSF - De La Rosa**

MATRIX: SOIL
SAMPLING DATE: 09/29/22
REPORT TO: Mr. JOSE MALDONADO

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SAMPLE I.D.: **B2-10** LAB I.D.: 220930-14

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

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CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
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SAMPLE I.D.: **B2-10** LAB I.D.: 220930-14

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
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DATA REVIEWED AND APPROVED BY: 
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PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
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DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B3-5** LAB I.D.: 220930-15

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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LABORATORY REPORT

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PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
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SAMPLE I.D.: **B3-5** LAB I.D.: 220930-15

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
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PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
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SAMPLE I.D.: **B3-8**

LAB I.D.: 220930-16

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
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SAMPLE I.D.: **B3-8** LAB I.D.: 220930-16

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-5** LAB I.D.: 220930-17

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-5** LAB I.D.: 220930-17

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
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PROJECT: **BNSF - De La Rosa**

MATRIX: SOIL
SAMPLING DATE: 09/29/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
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DATE ANALYZED: 10/04/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B4-10** LAB I.D.: 220930-18

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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PROJECT: **BNSF - De La Rosa**

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SAMPLE I.D.: **B4-10** LAB I.D.: 220930-18

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
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DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-30** LAB I.D.: 220930-22

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

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Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
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DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-30** LAB I.D.: 220930-22

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B5-5** LAB I.D.: 220930-23

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

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PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
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SAMPLE I.D.: **B5-5** LAB I.D.: 220930-23

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
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SAMPLE I.D.: **B5-10** LAB I.D.: 220930-24

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX: SOIL
SAMPLING DATE: 09/30/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE EXTRACTED: 10/03/22
DATE ANALYZED: 10/04/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B5-10** LAB I.D.: 220930-24

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B5-30** LAB I.D.: 220930-28

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B5-30** LAB I.D.: 220930-28

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B6-5**

LAB I.D.: 220930-29

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

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PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
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DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B6-5**

LAB I.D.: 220930-29

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B6-10** LAB I.D.: 220930-30

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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PROJECT: **BNSF - De La Rosa**

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SAMPLE I.D.: **B6-10** LAB I.D.: 220930-30

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **TRC Solutions, Inc**
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Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29&30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

METHOD BLANK LAB I.D.:
220930-7, -8, -12 THROUGH -18, -22, -23, -24, -28 THROUGH -30

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzidine	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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METHOD BLANK REPORT

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PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29&30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
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DATE ANALYZED:10/04/22
DATE REPORTED:10/10/22

METHOD BLANK LAB I.D.:
220930-7, -8, -12 THROUGH -18, -22, -23, -24, -28 THROUGH -30

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8270C QA/QC Report

Matrix: **Soil/Solid/Sludge/Oil** Unit: mg/Kg (PPM)
Date Analyzed: **10/4/2022**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **220930-7 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
Phenol	0.0	2.00	2.30	**115%**	2.24	**112%**	**2%**	50-150	0-20
Pyrene	0.0	2.00	2.33	**116%**	2.20	**110%**	**6%**	50-150	0-20

Laboratory Control Spike (LCS):

Analyte	spk conc	LCS	% RC	ACP %RC
Phenol	2.00	2.32	**116%**	75-125
1,4-Dichlorobenzene	2.00	2.16	**108%**	75-125
2,4-Dichlorophenol	2.00	2.08	**104%**	75-125
Hexachlorobutadiene	2.00	2.02	**101%**	75-125
4-Chloro-3-methylphenol	2.00	2.46	**123%**	75-125
Fluoranthene	2.00	2.02	**101%**	75-125

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**MB**	**220930-7**	**220930-8**	**220930-12**	**220930-13**	**220930-14**	**220930-15**
2-Fluorophenol	40	25-121	53%	60%	56%	61%	51%	56%	65%
Phenol-d5	40	24-113	90%	91%	86%	97%	79%	85%	82%
Nitrobenzene-d5	40	23-120	89%	89%	87%	92%	78%	86%	83%
2-Fluorobiphenyl	40	30-115	104%	99%	98%	106%	93%	101%	95%
2,4,6-Tribromophenol	40	19-122	72%	66%	63%	63%	55%	57%	56%
Terphenyl-d14	40	18-137	111%	139*%	136%	131%	133*%	117%	107%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**220930-16**	**220930-17**	**220930-18**	**220930-22**	**220930-23**	**220930-24**	**220930-28**
2-Fluorophenol	40	25-121	62%	39%	59%	53%	56%	55%	61%
Phenol-d5	40	24-113	88%	78%	87%	81%	86%	78%	87%
Nitrobenzene-d5	40	23-120	86%	76%	87%	83%	87%	81%	87%
2-Fluorobiphenyl	40	30-115	100%	93%	106%	95%	105%	100%	106%
2,4,6-Tribromophenol	40	19-122	65%	48%	58%	51%	56%	50%	55%
Terphenyl-d14	40	18-137	128%	127%	108%	93%	129%	139*%	130%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**220930-29**	**220930-30**	**220930-31**				
2-Fluorophenol	40	25-121	55%	54%	59%				
Phenol-d5	40	24-113	78%	79%	81%				
Nitrobenzene-d5	40	23-120	78%	79%	81%				
2-Fluorobiphenyl	40	30-115	98%	101%	99%				
2,4,6-Tribromophenol	40	19-122	48%	47%	48%				
Terphenyl-d14	40	18-137	113%	115%	113%				

** = Surrogate fail due to matrix interference*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By:

Final Reviewer:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B1-5** LAB I.D.: 220930-7

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX: SOIL
SAMPLING DATE: 09/29/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE EXTRACTED: 10/03/22
DATE ANALYZED: 10/03/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B1-10** LAB I.D.: 220930-8

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B1-30** LAB I.D.: 220930-12

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

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Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
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DATE ANALYZED:10/03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B2-5**

LAB I.D.: 220930-13

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX: SOIL
SAMPLING DATE: 09/29/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE EXTRACTED: 10/03/22
DATE ANALYZED: 10/03/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B2-10** LAB I.D.: 220930-14

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B3-5** LAB I.D.: 220930-15

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
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Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX: SOIL
SAMPLING DATE: 09/29/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE EXTRACTED: 10/03/22
DATE ANALYZED: 10/03/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B3-8** LAB I.D.: 220930-16

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
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Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-5** LAB I.D.: 220930-17

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-10** LAB I.D.: 220930-18

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B4-30** LAB I.D.: 220930-22

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B5-5** LAB I.D.: 220930-23

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel: (661) 520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX: SOIL
SAMPLING DATE: 09/30/22
REPORT TO: Mr. JOSE MALDONADO

DATE RECEIVED: 09/30/22
DATE EXTRACTED: 10/03/22
DATE ANALYZED: 10/03/22
DATE REPORTED: 10/10/22

SAMPLE I.D.: **B5-10** LAB I.D.: 220930-24

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/03/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B5-30** LAB I.D.: 220930-28

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/03&04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B6-5** LAB I.D.: 220930-29

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/03&04/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **B6-10**

LAB I.D.: 220930-30

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **TRC Solutions, Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**

MATRIX:SOIL
SAMPLING DATE:09/29&30/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE EXTRACTED:10/03/22
DATE ANALYZED:10/03/22
DATE REPORTED:10/10/22

METHOD BLANK LAB I.D.:
220930-7, -8, -12 THROUGH -18, -22, -23, -24, -28 THROUGH -30

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1
PCB-1016	ND	0.010	1
PCB-1221	ND	0.010	1
PCB-1232	ND	0.010	1
PCB-1242	ND	0.010	1
PCB-1248	ND	0.010	1
PCB-1254	ND	0.010	1
PCB-1260	ND	0.010	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081A QA/QC Report

Matrix: **Soil/Solid/Liquid(Oil)** Date Analyzed: **10/3/2022**

Unit: **mg/Kg (ppm)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 221003-LCS 3/4

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.00500	0.00480	**96%**	0.00484	**97%**	**1%**	**0-20%**	**70-130**
Aldrin	0.000	0.00500	0.00610	**122%**	0.00602	**120%**	**1%**	**0-20%**	**70-130**
4,4-DDE	0.000	0.00500	0.00565	**113%**	0.00514	**103%**	**9%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00384	**77%**	**75-125**
Aldrin	0.00500	0.00528	**106%**	**75-125**
4,4-DDE	0.00500	0.00514	**103%**	**75-125**
Dieldrin	0.00500	0.00480	**96%**	**75-125**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	220930-7	220930-8	220930-12	220930-13	220930-14	220930-15
Tetra-chloro-meta-xylene	50-150	100%	92%	83%	131%	86%	121%	100%
Decachlorobiphenyl	50-150	72%	83%	75%	59%	78%	76%	71%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		220930-16	220930-17	220930-18	220930-22	220930-23	220930-24	220930-28
Tetra-chloro-meta-xylene	50-150	102%	113%	136%	129%	111%	84%	140%
Decachlorobiphenyl	50-150	72%	63%	74%	68%	64%	82%	75%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		220930-29	220930-30	220930-31				
Tetra-chloro-meta-xylene	50-150	99%	85%	125%				
Decachlorobiphenyl	50-150	59%	79%	75%				

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

* = *Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: KL

Final Reviewer:

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Soil/Solid/Liquid** Date Analyzed: **10/3~4/2022**

Unit: mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 221003-LCS 1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	0.00	0.100	0.121	**121%**	0.122	**122%**	**1%**	**0-20%**	**70-130**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.077	**77%**	**75-125**

S.R. = Sample Result
spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:WATER
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO
DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **Trip Blank** LAB I.D.: 220930-30A

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:WATER
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

SAMPLE I.D.: **Trip Blank** LAB I.D.: 220930-30A

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:WATER
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO

DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

METHOD BLANK LAB I.D.: 220930-30A

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **TRC Solutions Inc**
6 Executive Circle, #200, Irvine, CA 92614
Tel:(661)520-8414 E-Mail: JMaldonado@TRCCompanies.com

PROJECT: **BNSF - De La Rosa**
MATRIX:WATER
SAMPLING DATE:09/29/22
REPORT TO:Mr. JOSE MALDONADO
DATE RECEIVED:09/30/22
DATE ANALYZED:10/02/22
DATE REPORTED:10/10/22

METHOD BLANK LAB I.D.: 220930-30A

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	ND	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	ND	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 10/2/2022 **Matrix:** Water/Liquid
Machine: B **Unit:** ug/L (PPB)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 220930-30A MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	25.0	27.2	109%	23.3	93%	16%	75-125	0-20
Chlorobenzene	0	25.0	28.0	112%	23.5	94%	18%	75-125	0-20
1,1-Dichloroethene	0	25.0	26.0	104%	21.6	86%	18%	75-125	0-20
Toluene	0	25.0	29.0	116%	24.1	96%	20%	75-125	0-20
Trichloroethene (TCE)	0	25.0	27.3	109%	23.3	93%	16%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	25.0	26.5	106%	75-125
Chlorobenzene	25.0	26.5	106%	75-125
Chloroform	25.0	26.9	108%	75-125
1,1-Dichloroethene	25.0	24.7	99%	75-125
Ethylbenzene	25.0	27.9	112%	75-125
o-Xylene	25.0	28.2	113%	75-125
m,p-Xylene	50.0	46.3	93%	75-125
Toluene	25.0	27.6	110%	75-125
1,1,1-Trichloroethane	25.0	27.4	110%	75-125
Trichloroethene (TCE)	25.0	26.2	105%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	220930-30A	220929-4	220929-5	220929-6	220929-7	220928-9D
Dibromofluoromethane	25.0	70-130	111%	116%	115%	112%	115%	116%	120%
Toluene-d8	25.0	70-130	105%	104%	105%	107%	106%	109%	103%
4-Bromofluorobenzene	25.0	70-130	95%	97%	93%	95%	98%	98%	99%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By:

Final Reviewer:

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Title 22 Metals CA Only	TPH-GID, O&G EPA 8015	VOCs EPA 8260B	SVOCs (PAHs) EPA 8270	Pesticides / PCBs				Misc./PO#	COMMENTS
				Analysis Required													
B1 -5	22030-7	9/29/22	1020	S	5		Yes	x	x	x	x	x					
B1 -10	-8		1029					x	x	x	x	x					
B1 -15	-9		1035														HOLD
B1 -20	-10		1045														HOLD
B1 -25	-11		1050														HOLD
B1 -30	-12		1100					x	x	x	x	x					
B2 -5	-13		1040					x	x	x	x	x					
B2 -10	-14		1115					x	x	x	x	x					
B3 -5	-15		1140					x	x	x	x	x					
B3 -8	-16		1405					x	x	x	x	x					
B4 -5	-17		1305					x	x	x	x	x					
B4 -10	-18		1315					x	x	x	x	x					
B4 -15	-19		1325														HOLD
B4 -20	-20		1330														HOLD
B4 -25	-21		1340														HOLD

Company Name: TRC Solutions
Address: 6 Executive Circle, #200
City/State/Zip: Irvine, CA 92614

Project Contact: Matt Eaton
Jose Maldonado
949 - [illegible] - 1129
661 - 520 - 8414
Tel:
Fax/Email: meaton@trccompanies.com
jmaldonado@trccompanies.com

Sampler's Signature:
Project Name/ID: BNSF - De La Rosa

Relinquished by:	Received by:	Date & Time: 9/30/22 1205	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date:

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Title 22 Metals	EPA 6010 TPH-G/BTEX	EPA 8015 VOCs	EPA 8260B SVOCs/PAHs	EPA 8270 Dissolved Metals	PCBs					Misc./PO#	COMMENTS
								Analysis Required											
BH-30	220930-22	9/29/22	1345	S	5		Yes	X	X	X	X	X							
BS-5	-23	9/30/22	0820					X	X	X	X	X							
BS-10	-24		0825					X	X	X	X	X							
BS-15	-25		0950																HOLD
BS-20	-26		0855																HOLD
BS-25	-27		0905																HOLD
BS-30	-28		0911					X	X	X	X	X							
B6-5	-29		0835					X	X	X	X	X							
B6-10	-30		0840					X	X	X	X	X							

Company Name: TRC Solutions
Address: 6 Executive Circle, #200
City/State/Zip: Irvine CA 92614

Project Contact: Matt Eaton
Jose Maldonado
Tel: 949-697-1129
661-520-9414
Fax/Email: meaton@trccompanies.com
jmaldonado@trccompanies.com

Sampler's Signature:
Project Name/ID: BUST - De La Rosa

Relinquished by:		Received by:	Date & Time: 9/30/22 1205
Relinquished by:		Received by:	Date & Time:
Relinquished by:		Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE - YELLOW TO CLIENT

6 Executive Circle
Suite 200
Irvine, CA 92614

T 949.727.9336
TRCcompanies.com

[illegible]

[illegible]

Mr [illegible]
M [illegible]
[illegible]
[illegible]
[illegible]

[illegible]

Subject: **Supplemental Phase II Environmental Site Assessment Report**

Site: **BNSF – Lone Oak Barstow LLC Property**
25538 W. Main Street
Barstow, CA 92311

[illegible]

[illegible] *Phase II Environmental Site Assessment (ESA) Report* [illegible] **Figure 1** [illegible]

1.0 SITE DESCRIPTION

[illegible]

2.0 PREVIOUS INVESTIGATIONS

[illegible]

- [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
- [illegible]

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[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

3.0 RECENT DRAFT PHASE I ESA EVALUATION

[illegible] *Phase I ESA* [illegible]

- [illegible]
- [illegible]
- [illegible]

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- [illegible]

  - [illegible]

  - [illegible]

  - [illegible]

- [illegible]

- [illegible]

- [illegible]

[illegible]

- [illegible]

- [illegible]

- [illegible]

4.0 PRE-FIELD ACTIVITIES

[illegible]

- [illegible]

[illegible]

- [illegible]

DRAFT

5.0 SUBSURFACE ASSESSMENT

5.1 Geophysical Survey

[illegible] **Attachment A**[illegible]

5.2 Groundwater Monitoring and Sampling for Existing Wells

[illegible] **Attachment B**[illegible]

5.3 Borehole Clearance, Drilling, Temporary Well Installation, and Sampling

[illegible] **Figure 2**[illegible]

[illegible]

[illegible]

[illegible]

Soil Boring ID	Depth of Boring (feet bgs)	Soil Sample Collection Depth (feet bgs)	Groundwater Sample Collection Depth (feet bgs)
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

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[illegible] **Attachment C**.

5.3 Borehole Abandonment

[illegible]

5.4 Sub-Slab Soil Vapor Probe Installation, Sampling, and Abandonment

[illegible] **Figure 2.** [illegible]

5.5 Waste Disposal

[illegible]

6.0 LABORATORY ANALYSES

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]

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[illegible]

- [illegible]

[illegible] **Tables 1 through 9** [illegible] **Attachment D** [illegible]

7.0 FINDINGS AND CONCLUSIONS

[illegible]

Soil Findings

- [illegible]
- [illegible]
- **TPH** [illegible] **Table 1**, [illegible]
- **Metals:** [illegible] **Table 2**, [illegible]
- **VOCs:** [illegible] **Table 3**, [illegible]
- **SVOCs:** [illegible] **Table 4**, [illegible]

Soil Conclusions

- [illegible]

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- [illegible]

Groundwater Findings

- [illegible]
- **TPH** [illegible] **Table 5**, [illegible]
- **Metals:** [illegible] **Table 6**, [illegible]
- **VOCs:** [illegible] **Table 7**, [illegible]
- **SVOCs:** [illegible] **Table 8**, [illegible]

Groundwater Conclusions

- [illegible]
- [illegible]
- [illegible]
- [illegible]

Soil Vapor Findings and Conclusions

- [illegible]

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[illegible]

[illegible]

TRC Solutions, Inc.

[illegible]
[illegible]

[illegible]
[illegible]

[illegible]

[illegible]

[illegible]

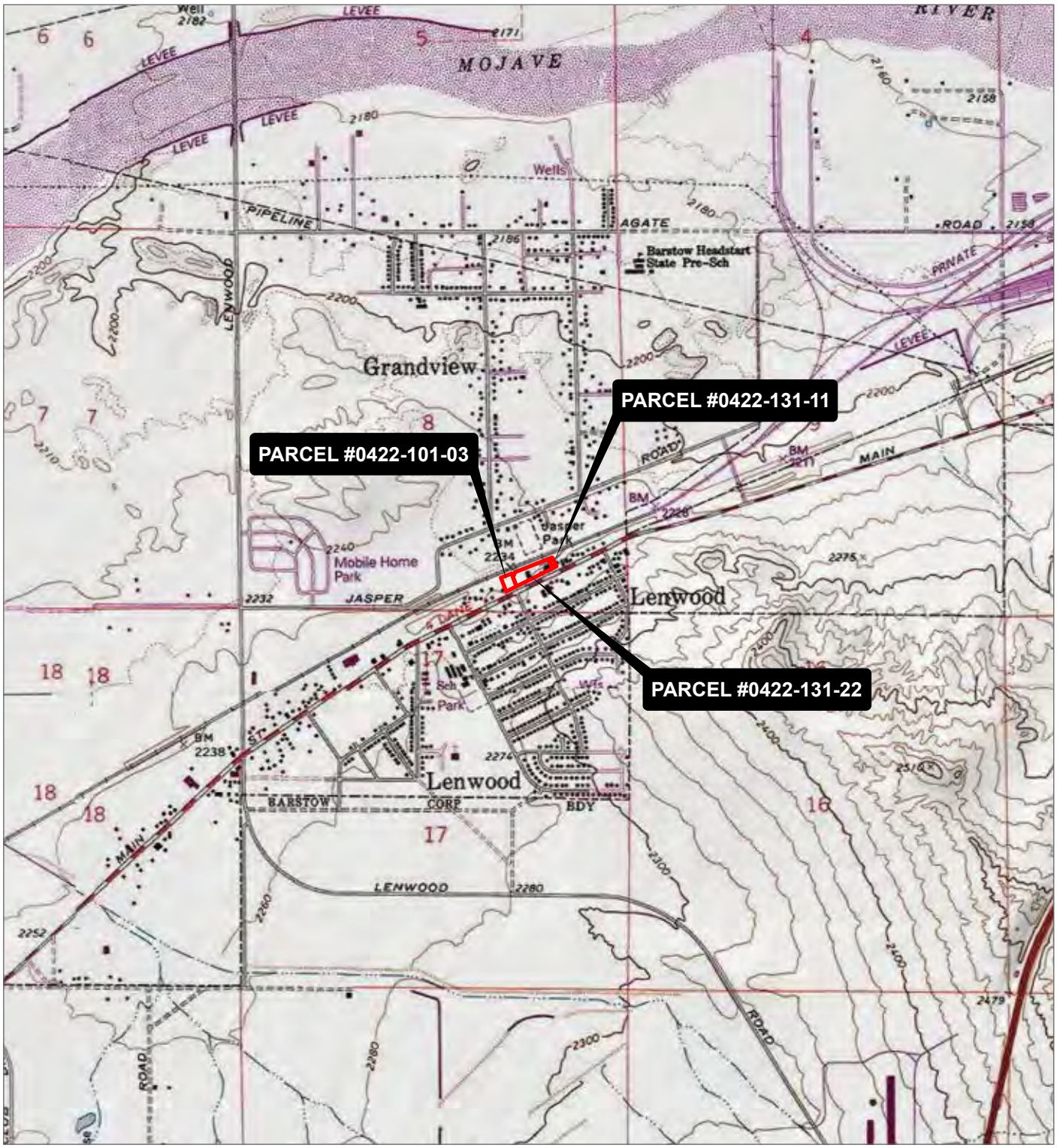
[illegible]

[illegible]

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FIGURES

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LEGEND

APPROXIMATE PROJECT BOUNDARIES

BASE MAP: USGS COLOR ORTHO IMAGERY
DATA SOURCES: TRC

N

0 1,000 2,000

FEET

1:24,000 1" = 2,000'



PROJECT:

LONE OAK BARSTOW LLC
25538 W. MAIN STREET
BARSTOW, CA 92311

TITLE:

SUBJECT PROPERTY VICINITY MAP

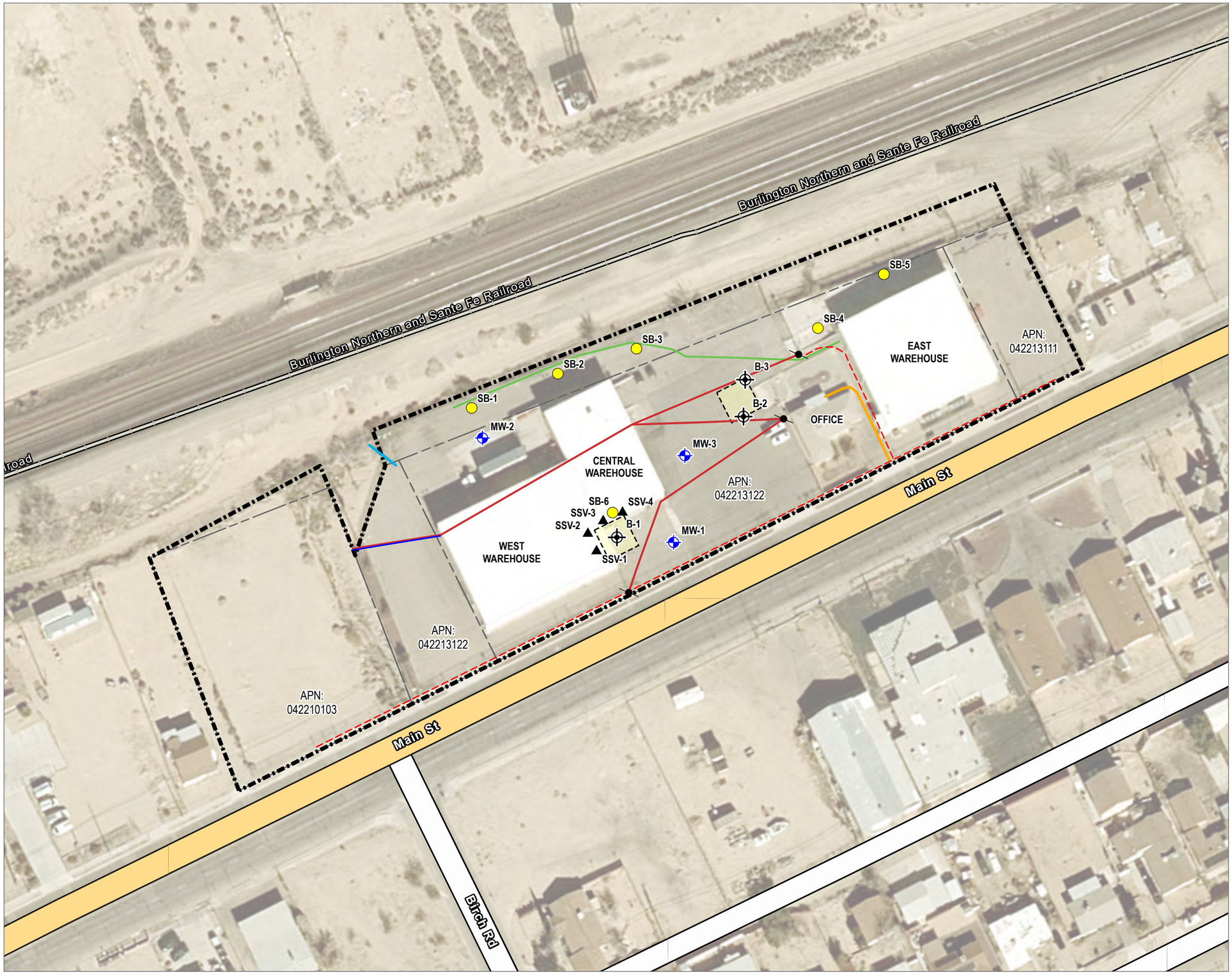
DRAWN BY:	R. COLLINS	PROJ. NO.:	596818.0000.0000
CHECKED BY:	J. MALDONADO		
APPROVED BY:	J. MALDONADO		**FIGURE 1**
DATE:	AUGUST 2024		

TRC

6 EXECUTIVE CIRCLE
SUITE 200
IRVINE, CA 92614
PHONE: 949.727.9336

FILE: LONE_OAK_PII

COORDINATE SYSTEM: NAD 1983 STATEPLANE CALIFORNIA V FIPS 0405 FEET: MAP ROTATION: 0
--- SAVED BY: ACLINE ON 8/30/2024, 08:15:52 AM --- FILE PATH: T:\1-PROJECTS\BNSF\596818_LONEOAK_PII\2-APRX\LONE_OAK_PII.APRX --- LAYOUT NAME: FIGURE 1



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE PARCEL BOUNDARIES
- FORMER UNDERGROUND STORAGE TANK (UST) AREAS
- 2022 GROUNDWATER MONITORING WELLS
- 2020 BORINGS
- SUB-SLAB VAPOR MONITORING POINT
- SANITARY SEWER
- UNDERGROUND ELECTRIC
- GAS UTILITY
- STORM SEWER
- OVERHEAD ELECTRIC
- OVERHEAD TELEPHONE
- 2024 SOIL BORING

NOTES:
1: APPROXIMATE LOCATIONS OF MONITORING WELLS, BORINGS, SUB-SLAB VAPOR MONTORING POINTS AND UTILITIES PROVIDED BY RAMBOLL SITE LAYOUT DRAWING, DATED 10/05/2022.

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER, 02/01/2023.
DATA SOURCES: TRC

1:960
1" = 80'
0 80 160 FEET

PROJECT:
LONE OAK BARSTOW LLC
25538 WEST MAIN STREET
BARSTOW, CALIFORNIA

TITLE:
SOIL BORING LOCATION

DRAWN BY:	A. CLINE	PROJ. NO.:	596818.0000.0000
CHECKED BY:	J. MALDONADO		**FIGURE 2**
APPROVED BY:	J. MALDONADO		
DATE:	AUGUST 2024		

TRC
6 EXECUTIVE CIRCLE
SUITE 200
IRVINE, CA 92614
PHONE: 949.727.9336

FILE: Lone_Oak_PII.aprx

Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet; Map Rotation: 0
Saved By: ACLINE on 8/30/2024, 09:47:42 AM; File Path: T:_PROJECTS\BNSF 596818 LoneOak_PII\2-APRX\Lone_Oak_PII.aprx; Layout Name: FIGURE 2

TABLES

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B R D	M D D	M D	d M d			
SB-1	2.0	8/21/2024	ND<3.17	ND<4.24	ND<4.24	ND<4.24
	10.0	8/22/2024	ND<4.92	ND<4.95	ND<4.95	ND<4.95
	20.0	8/22/2024	ND<4.34	ND<5.10	ND<5.10	ND<5.10
SB-2	2.0	8/21/2024	ND<3.16	ND<423		ND<423
	10.0	8/22/2024	ND<3.89	ND<5.01	ND<5.01	ND<5.01
	20.0	8/22/2024	ND<3.50	ND<4.71	ND<4.71	ND<4.71
SB-3	2.0	8/21/2024	ND<3.23	ND<4.28		
	10.0	8/22/2024	ND<3.22	ND<4.42	ND<4.42	ND<4.42
	23.0	8/22/2024			ND<4.58	ND<4.58
SB-4	3.0	8/21/2024	ND<4.38	ND<4.27	ND<4.27	ND<4.27
SB-5	2.0	8/22/2024	ND<3.29	ND<4.22	ND<4.22	ND<4.22
	10.0	8/23/2024	B	ND<4.24	ND<4.24	ND<4.24
	20.0	8/23/2024	ND<4.24	ND<4.79	ND<4.79	ND<4.79
SB-6	2.0	8/22/2024	ND<3.24	ND<4.15	ND<4.15	ND<4.15
	10.0	8/23/2024	ND<3.37	ND<4.32	ND<4.32	ND<4.32
	20.0	8/23/2024			ND<4.24	ND<4.24
R B r d r						
R B r d r						

B D	= Analyte detected above laboratory Reporting Limit (RL).
D	= Preliminary data.
<	= Not detected above indicated reporting limit (RL).
NS	= No Standard.
mg/kg	= milligrams per kilogram.
ft. bgs.	= feet below ground surface.
*	= San Francisco Regional Water Quality Control Board ESLs, Direct Exposure Human Health Risk Levels for Commercial/Industrial: Shallow Soil Exposure.
**	= San Francisco Regional Water Quality Control Board ESLs, Leaching to Groundwater Levels for Non-Drinking Water.

DRAFT

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]																
			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SB-1	2.0	8/21/2024	<2.12	[illegible]	[illegible]	[illegible]	<0.530	[illegible]	[illegible]	[illegible]	[illegible]	<0.530	[illegible]	<2.12	<1.06	<2.12	[illegible]	[illegible]	<0.0424
	10.0	8/22/2024	<2.47	<2.47	[illegible]	<0.247	<0.618	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	<2.47	<1.24	<2.47	[illegible]	[illegible]	<0.0495
	20.0	8/22/2024	<2.55	[illegible]	[illegible]	[illegible]	<0.637	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	<2.55	<1.27	<2.55	[illegible]	[illegible]	<0.0510
SB-2	2.0	8/21/2024	<2.11	<2.11	[illegible]	<0.211	<0.529	[illegible]	[illegible]	[illegible]	[illegible]	<0.529	[illegible]	<2.11	<1.06	<2.11	[illegible]	[illegible]	<0.0423
	10.0	8/22/2024	<2.5	[illegible]	[illegible]	<0.250	<0.626	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	<2.50	<1.25	<2.50	[illegible]	[illegible]	<0.0501
	20.0	8/22/2024	<2.35	[illegible]	[illegible]	[illegible]	>0.588	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	<2.35	<1.18	<2.35	[illegible]	[illegible]	<0.0471
SB-3	2.0	8/21/2024	<2.14	<2.14	[illegible]	<0.214	<0.535	[illegible]	[illegible]	[illegible]	[illegible]	<0.535	[illegible]	<2.14	<1.07	<2.14	[illegible]	[illegible]	<0.0428
	10.0	8/22/2024	<2.21	[illegible]	[illegible]	[illegible]	<0.552	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	<2.21	<1.10	<2.21	[illegible]	[illegible]	<0.0442
	23.0	8/22/2024	<2.29	[illegible]	[illegible]	<0.229	<0.573	[illegible]	[illegible]	<2.29	[illegible]	<0.573	<2.29	<2.29	<1.15	<2.29	[illegible]	[illegible]	<0.0458
SB-4	3.0	8/21/2024	<2.13	[illegible]	[illegible]	[illegible]	<0.534	[illegible]	[illegible]	[illegible]	[illegible]	<0.534	[illegible]	<2.13	<1.07	<2.13	[illegible]	[illegible]	<0.0427
SB-5	2.0	8/22/2024	<2.11	<2.11	[illegible]	[illegible]	<0.528	[illegible]	[illegible]	[illegible]	[illegible]	<0.528	[illegible]	<2.11	<1.06	<2.11	[illegible]	[illegible]	<0.0422
	10.0	8/23/2024	<2.12	[illegible]	[illegible]	<0.212	<0.530	[illegible]	[illegible]	[illegible]	[illegible]	<0.530	[illegible]	<2.12	<1.06	<2.12	[illegible]	[illegible]	<0.0424
	20.0	8/23/2024	<2.39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	<2.39	<1.20	<2.39	[illegible]	[illegible]	<0.0479
SB-6	2.0	8/22/2024	<2.08	<2.08	[illegible]	<0.208	<0.519	[illegible]	[illegible]	[illegible]	[illegible]	<0.519	[illegible]	<2.08	<1.04	<2.08	[illegible]	[illegible]	<0.0415
	10.0	8/23/2024	<2.16	[illegible]	[illegible]	[illegible]	<0.540	[illegible]	[illegible]	[illegible]	[illegible]	<0.540	[illegible]	<2.16	<1.08	<2.16	[illegible]	[illegible]	<0.0432
	20.0	8/23/2024	<2.12	[illegible]	[illegible]	<0.212	<0.530	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	<2.12	<1.06	<2.12	[illegible]	[illegible]	<0.0424
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible] = Analyte detected above laboratory Reporting Limit (RL).
[illegible] = Analyte detected at concentrations above respective Commercial/Industrial Environmental Screening Level (ESL).
< = Not detected above indicated laboratory Reporting Limit (RL).
mg/kg = milligrams per kilogram.
ft. bgs. = feet below ground surface.
NS = No Standard.
* = San Francisco Regional Water Quality Control Board ESLs, Direct Exposure Human Health Risk Levels for Commercial/Industrial: Shallow Soil Exposure.
** = San Francisco Regional Water Quality Control Board ESLs, Leaching to Groundwater Levels for Non-Drinking Water.

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SB-1	2.0	8/21/2024	ND<0.0634	ND<0.0159	ND<0.0159	ND<0.00634	ND<0.00317	ND<0.00317	ND<0.00634	[illegible]	ND<0.0159	ND<0.00634	ND<0.00634	ND<0.00634	ND<0.00634	ND<0.00634	ND<0.00824	ND
	10.0	8/22/2024	ND<0.0984	ND<0.0246	ND<0.0246	ND<0.00984	ND<0.00492	ND<0.00492	ND<0.00984	[illegible]	ND<0.0246	ND<0.00984	ND<0.00984	ND<0.00984	ND<0.00984	ND<0.00984	ND<0.0128	ND
	20.0	8/22/2024	ND<0.0870 J4	ND<0.0218 J3	ND<0.0218	ND<0.00870	ND<0.00436	ND<0.00436	ND<0.00870	[illegible]	ND<0.0218	ND<0.00870 J3	ND<0.00870	ND<0.00870	ND<0.00870	ND<0.00870	ND<0.0113	ND
SB-2	2.0	8/21/2024	ND<0.0631	ND<0.0158	ND<0.0158	ND<0.00631	ND<0.00316	ND<0.00316	ND<0.00631	[illegible]	ND<0.0158	ND<0.00631	ND<0.00631	ND<0.00631	ND<0.00631	ND<0.00631	ND<0.00821	ND
	10.0	8/22/2024	ND<0.0777 J4	ND<0.0194 J3	ND<0.0194	ND<0.00777	ND<0.00389	ND<0.00389	ND<0.00777	[illegible]	ND<0.0194	ND<0.00777 J3	ND<0.00777	ND<0.00777	ND<0.00777	ND<0.00777	ND<0.0101	ND
	20.0	8/22/2024	ND<0.0700 J4	ND<0.0175 J3	ND<0.0175	ND<0.00700	ND<0.00350	ND<0.00350	ND<0.00700	[illegible]	ND<0.0175	ND<0.00700 J3	ND<0.00700	ND<0.00700	ND<0.00700	ND<0.00700	ND<0.00911	ND
SB-3	2.0	8/21/2024	ND<0.0646	ND<0.0162	ND<0.0162	ND<0.00646	ND<0.00323	ND<0.00323	ND<0.00646	ND<0.0323	ND<0.0162	ND<0.00646	ND<0.00646	ND<0.00646	ND<0.00646	ND<0.00646	ND<0.00840	ND
	10.0	8/22/2024	ND<0.0693	ND<0.0173 J3	ND<0.0173	ND<0.00693 J4	ND<0.00347	ND<0.00347	ND<0.00693	[illegible]	[illegible]	ND<0.00693	ND<0.00693	[illegible]	[illegible]	[illegible]	ND<0.00901	ND
	23.0	8/22/2024	ND<0.0645	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ND
SB-4	3.0	8/21/2024	[illegible]	ND<0.0220	ND<0.0220	ND<0.00877	ND<0.00438	ND<0.00438	ND<0.00877	ND<0.0438	ND<0.0220	ND<0.00877	ND<0.00877	ND<0.00877	ND<0.00877	ND<0.00877	ND<0.0114	ND
SB-5	2.0	8/22/2024	ND<0.0656	ND<0.0164	ND<0.0164	ND<0.00656	ND<0.00328	ND<0.00328	ND<0.00656	[illegible]	ND<0.0164	ND<0.00656	ND<0.00656	ND<0.00656	ND<0.00656	ND<0.00656	ND<0.00854	ND
	10.0	8/23/2024	ND<0.0561	ND<0.0140 J3	[illegible]	ND<0.00561 J4	[illegible]	[illegible]	ND<0.00561	[illegible]	ND<0.0140	[illegible]	ND<0.00561	[illegible]	ND<0.00561	ND<0.00561	ND<0.00729	ND
	20.0	8/23/2024	ND<0.0745	ND<0.0186 J3	ND<0.0186	ND<0.00745 J4	ND<0.00372	ND<0.00372	ND<0.00745	[illegible]	ND<0.0186	ND<0.00745	ND<0.00745	ND<0.00745	ND<0.00745	ND<0.00745	ND<0.00968	ND
SB-6	2.0	8/22/2024	ND<0.0648	ND<0.0162	ND<0.0162	ND<0.00648	ND<0.00324	ND<0.00324	ND<0.00648	[illegible]	ND<0.0162	ND<0.00648	ND<0.00648	ND<0.00648	ND<0.00648	ND<0.00648	ND<0.00841	ND
	10.0	8/23/2024	ND<0.0737	ND<0.0184 J3	ND<0.0184	ND<0.00737 J4	ND<0.00369	ND<0.00369	ND<0.00737	[illegible]	ND<0.0184	ND<0.00737	ND<0.00737	ND<0.00737	ND<0.00737	ND<0.00737	ND<0.00959	ND
	20.0	8/23/2024	ND<0.0624	ND<0.0156	ND<0.0156	ND<0.00624	ND<0.00312	ND<0.00312	ND<0.00624	[illegible]	ND<0.0156	ND<0.00624	ND<0.00624	ND<0.00624	ND<0.00624	ND<0.00624	ND<0.00811	ND
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] = Analyte detected above laboratory Reporting Limit (RL).
[illegible] = Analyte detected at concentrations above respective Leaching to Grounwater Environmental Screening Level (ESL).
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mg/kg = milligrams per kilogram.
ft. bgs. = feet below ground surface.
NS = No Standard.
[illegible] = The associated batch QC was outside the established quality control range for precision.
[illegible] = The associated batch QC was outside the established quality control range for accuracy
* = San Francisco Regional Water Quality Control Board ESLs, Direct Exposure Human Health Risk Levels for Commercial/Industrial: Shallow Soil Exposure.
** = San Francisco Regional Water Quality Control Board ESLs, Leaching to Grounwater Levels for Non-Drinking Water.

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]															
SB-1	2.0	8/21/2024	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND
	10.0	8/22/2024	ND<0.0412	ND<0.0412	ND<0.0412	ND<0.0412	ND<0.0412	ND<0.0412	ND<0.0412	ND<0.0412	ND<0.0412	ND<0.0412	ND<0.0412	ND<0.0412	ND<0.0412	ND<0.0412	ND<0.0412	ND
	20.0	8/22/2024	ND<0.0424	ND<0.0424	ND<0.0424	ND<0.0424	ND<0.0424	ND<0.0424	ND<0.0424	ND<0.0424	ND<0.0424	ND<0.0424	ND<0.0424	ND<0.0424	ND<0.0424	ND<0.0424	ND<0.0424	ND
SB-2	2.0	8/21/2024	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND
	10.0	8/22/2024	ND<0.0417	ND<0.0417	ND<0.0417	ND<0.0417	ND<0.0417	ND<0.0417	ND<0.0417	ND<0.0417	ND<0.0417	ND<0.0417	ND<0.0417	ND<0.0417	ND<0.0417	ND<0.0417	ND<0.0417	ND
	20.0	8/22/2024	ND<0.0392	ND<0.0392	ND<0.0392	ND<0.0392	ND<0.0392	ND<0.0392	ND<0.0392	ND<0.0392	ND<0.0392	ND<0.0392	ND<0.0392	ND<0.0392	ND<0.0392	ND<0.0392	ND<0.0392	ND
SB-3	2.0	8/21/2024	ND<0.0357	ND<0.0357	ND<0.0357	ND<0.0357	ND<0.0357	ND<0.0357	ND<0.0357	ND<0.0357	ND<0.0357	ND<0.0357	ND<0.0357	ND<0.0357	ND<0.0357	ND<0.0357	ND<0.0357	ND
	10.0	8/22/2024	ND<0.0368	ND<0.0368	ND<0.0368	ND<0.0368	ND<0.0368	ND<0.0368	ND<0.0368	ND<0.0368	ND<0.0368	ND<0.0368	ND<0.0368	ND<0.0368	ND<0.0368	ND<0.0368	ND<0.0368	ND
	23.0	8/22/2024	ND<0.0381	ND<0.0381	ND<0.0381	ND<0.0381	ND<0.0381	ND<0.0381	ND<0.0381	ND<0.0381	ND<0.0381	ND<0.0381	ND<0.0381	ND<0.0381	ND<0.0381	[illegible]	ND<0.0381	ND
SB-4	3.0	8/21/2024	ND<0.0355	ND<0.0355	ND<0.0355	ND<0.0355	ND<0.0355	ND<0.0355	ND<0.0355	ND<0.0355	ND<0.0355	ND<0.0355	ND<0.0355	ND<0.0355	ND<0.0355	ND<0.0355	ND<0.0355	ND
SB-5	2.0	8/22/2024	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND<0.0352	ND
	10.0	8/23/2024	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND
	20.0	8/23/2024	ND<0.0398	ND<0.0398	ND<0.0398	ND<0.0398	ND<0.0398	ND<0.0398	ND<0.0398	ND<0.0398	ND<0.0398	ND<0.0398	ND<0.0398	ND<0.0398	ND<0.0398	ND<0.0398	ND<0.0398	ND
SB-6	2.0	8/22/2024	ND<0.0346	ND<0.0346	ND<0.0346	ND<0.0346	ND<0.0346	ND<0.0346	ND<0.0346	ND<0.0346	ND<0.0346	ND<0.0346	ND<0.0346	ND<0.0346	ND<0.0346	ND<0.0346	ND<0.0346	ND
	10.0	8/23/2024	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND
	20.0	8/23/2024	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND<0.0353	ND
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

[illegible]

B[illegible]D = Analyte detected above laboratory Reporting Limit (RL).
ND< = Not detected above indicated laboratory Reporting Limit (RL).
mg/kg = milligrams per kilogram.
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MW-1	20.9	8/15/2024	□□□□□□	□□□□□□	□□□□□□	□□□□□□
MW-2	21.3	8/15/2024	□□□□□□□□	ND<0.100	ND<0.100	ND<0.100
MW-3	20.3	8/15/2024	ND<0.100 T8	ND<0.100	ND<0.100	ND<0.100
SB-3-GW	22.8	8/23/2024	□□□□□	□□□□□	□□□□□□	<0.100
SB-6-GW	23.4	8/23/2024	ND<0.100	ND<0.100	ND<0.100	ND<0.100
SFRWQCB ESLs (Commercial/Industrial)*			0.76	0.2	NS	NS

□□□□□□□

B□□D	= Analyte detected above laboratory Reporting Limit (RL).
□□□D□□□	= Analyte detected at concentrations above respective Commercial/Industrial Environmental Screening Level (ESL).
<	= Not detected above indicated reporting limit (RL).
NS	= No Standard.
Qualifiers:	T8 = Sample(s) received past/too close to holding time expiration.
mg/L	= milligrams per liter.
ft. bgs.	= feet below ground surface.
*	= San Francisco Regional Water Quality Control Board ESLs, Direct Exposure Human Health Risk Levels for Commercial/Industrial.

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MW-1	20.9	8/15/2024	ND<0.00400	□□□□	□□□□□□	ND<0.00200	ND<0.00100	ND<0.00100	□□□□□□□	□□□□□□□	ND<0.00200	□□□□□	□□□□□□□	□□□□□□□	ND<0.00200	ND<0.00200	□□□□□□□	ND<0.0250	ND<0.000200
MW-2	21.3	8/15/2024	ND<0.00400	□□□□□	□□□□□□	ND<0.00200	ND<0.00100	ND<0.00100	ND<0.00200	ND<0.00500	ND<0.00200	□□□□	□□□□□□	□□□□□□	ND<0.00200	ND<0.00200	□□□□□□	ND<0.0250	ND<0.000200
MW-3	20.3	8/15/2024	ND<0.00400	□□□□	□□□□□□	ND<0.00200	ND<0.00100	ND<0.00100	□□□□□□	□□□□□□	ND<0.00200	□□□□	□□□□□	□□□□□□	ND<0.00200	ND<0.00200	□□□□□□	ND<0.0250	ND<0.000200
SB-3-GW	22.8	8/23/2024	ND<0.00400	□□□□□	□□□□□	ND<0.00200	ND<0.00100	ND<0.00200	□□□□□□□	□□□□□□	ND<0.00200	□□□□□	□□□□□□	□□□□□	ND<0.00200	ND<0.00200	□□□□□□	ND<0.0250	ND<0.000200
SB-6-GW	23.4	8/23/2024	ND<0.00400	□□□□□	□□□□□□	ND<0.00200	ND<0.00100	ND<0.00200	□□□□□□□	□□□□□□	ND<0.00200	□□□□□	□□□□□□□	□□□□□	ND<0.00200	ND<0.00200	□□□□□□	ND<0.0250	ND<0.000200
□□R□ □□B□□□□□□□□□□ □ □r□□□□□□d□□□r□□□□			□□□□□	□□□□	□	□□□□□	□□□□□	□□□□	□□□□□	□	□□□□□	□□□	□□□	□□□□	□□	□□□□□	□□	□	□□□□□

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B□□D = Analyte detected above laboratory Reporting Limit (RL).
□□□□D□□ = Analyte detected at concentrations above respective Commercial/Industrial Environmental Screening Level (ESL).
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mg/L = milligrams per liter.
ft. bgs. = feet below ground surface.
NS = No Standard.
* = San Francisco Regional Water Quality Control Board ESLs, Direct Exposure Human Health Risk Levels for Commercial/Industrial.

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MW-1	20.9	8/15/2024	ND<0.00100	ND<0.00100	□□□□□□□	□□□□□□	□□□□□□□	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00500	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00300	ND
MW-2	21.3	8/15/2024	ND<0.00100	ND<0.00100	NDND<0.00100	□□□□□□	□□□□□	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00500	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00300	ND
MW-3	20.3	8/15/2024	ND<0.00100	ND<0.00100	NDND<0.00100	□□□□□□□	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00500	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00300	ND
SB-3-GW	22.8	8/23/2024	□□□□□□	□□□□□	□□□□□□	ND<0.00100	ND<0.00100	□□□□	□□□□□□	□□□□□□	□□□□□	□□□□	□□□□□	□□□	□□□□□	□□□□□	□□□	ND
SB-6-GW	23.4	8/23/2024	ND<0.00100	ND<0.00100	ND<0.00100	□□□□□□	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00100	ND<0.00500	ND<0.00100	ND<0.00100	□□□□□□□	ND<0.00100	ND<0.00100	ND<0.00300	ND
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B□□D = Analyte detected above laboratory Reporting Limit (RL).
□□□□D□□□ = Analyte detected at concentrations above respective Commercial/Industrial Environmental Screening Level (ESL).
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mg/L = milligrams per liter.
ft. bgs. = feet below ground surface.
* = San Francisco Regional Water Quality Control Board ESLs, Direct Exposure Human Health Risk Levels for Commercial/Industrial.

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MW-1	20.9	8/15/2024	<0.00100	ND
MW-2	21.3	8/15/2024	<0.00100	ND
MW-3	20.3	8/15/2024	<0.00100	ND
SB-3-GW	22.8	8/23/2024	□□□□□□□	ND
SB-6-GW	23.4	8/23/2024	<0.00100 J3	ND
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B□□D	= Analyte detected above laboratory Reporting Limit (RL).
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<	= Not detected above indicated laboratory Reporting Limit (RL).
mg/L	= milligrams per liter.
ft. bgs.	= feet below ground surface.
NS	= No Standard.
*	= San Francisco Regional Water Quality Control Board ESLs, Direct Exposure Human Health Risk Levels for Commercial/Industrial.

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SSV-1	8/22/2024	ND<11	□□	□□	□□□	□□□□	ND<14	□□	□□□	ND<8.8	□□	ND<8.8	ND<9.9	ND<9.9	ND
SSV-1-DUP	8/22/2024	□□	□□	□□	□□□	□□□□	□□	□□	□□□	ND<8.1	□□	ND<8.1	ND<9.2	ND<9.2	ND
SSV-2	8/22/2024	ND<18	ND<9.8	□□	□□□	□□□□	ND<21	□□	ND<12	ND<14	□□	ND<14	ND<16	ND<16	ND
SSV-3	8/22/2024	ND<12	ND<6.8	□□	□□□	ND<11	ND<15	ND<9.0	□□	□□	□□	ND<9.5	ND<11	ND<11	ND
SSV-4	8/22/2024	ND<11	□□	□□□	□□□	ND<9.1	ND<13	□□	□□	□□	□□	□□	□□	□□	ND
□□R□ □□B□□□□□ □□□□ □ □r□□□□□□d□□r□□□		□□	□□	□□□□□□□	□□	□□	□□	□□□□□	□□□□□	□□□	□□□□□	□□□□□	□□	□□	□□

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B□□D = Analyte detected above laboratory Reporting Limit (RL).
< = Not detected above indicated reporting limit (RL).
ug/m3 = micrograms per cubic meter

* = San Francisco Regional Water Quality Control Board ESLs, Direct Exposure Human Health Risk Levels for Commercial/Industrial (in ug/m^3): Subslab/Soil Gas Vapors.

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Attachment A: Subsurface Surveys Summary Report

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Subsurface Surveys & Associates, Inc.
An Applied Geophysical Company

2075 Corte Del Nogal, Suite W
Carlsbad, CA 92011

Office: (760) 476-0492
Fax: (760) 476-0493

[illegible], [illegible]

[illegible]

TRC
[illegible]
[illegible]

[illegible] **Jose Maldonado**

[illegible]

[illegible]

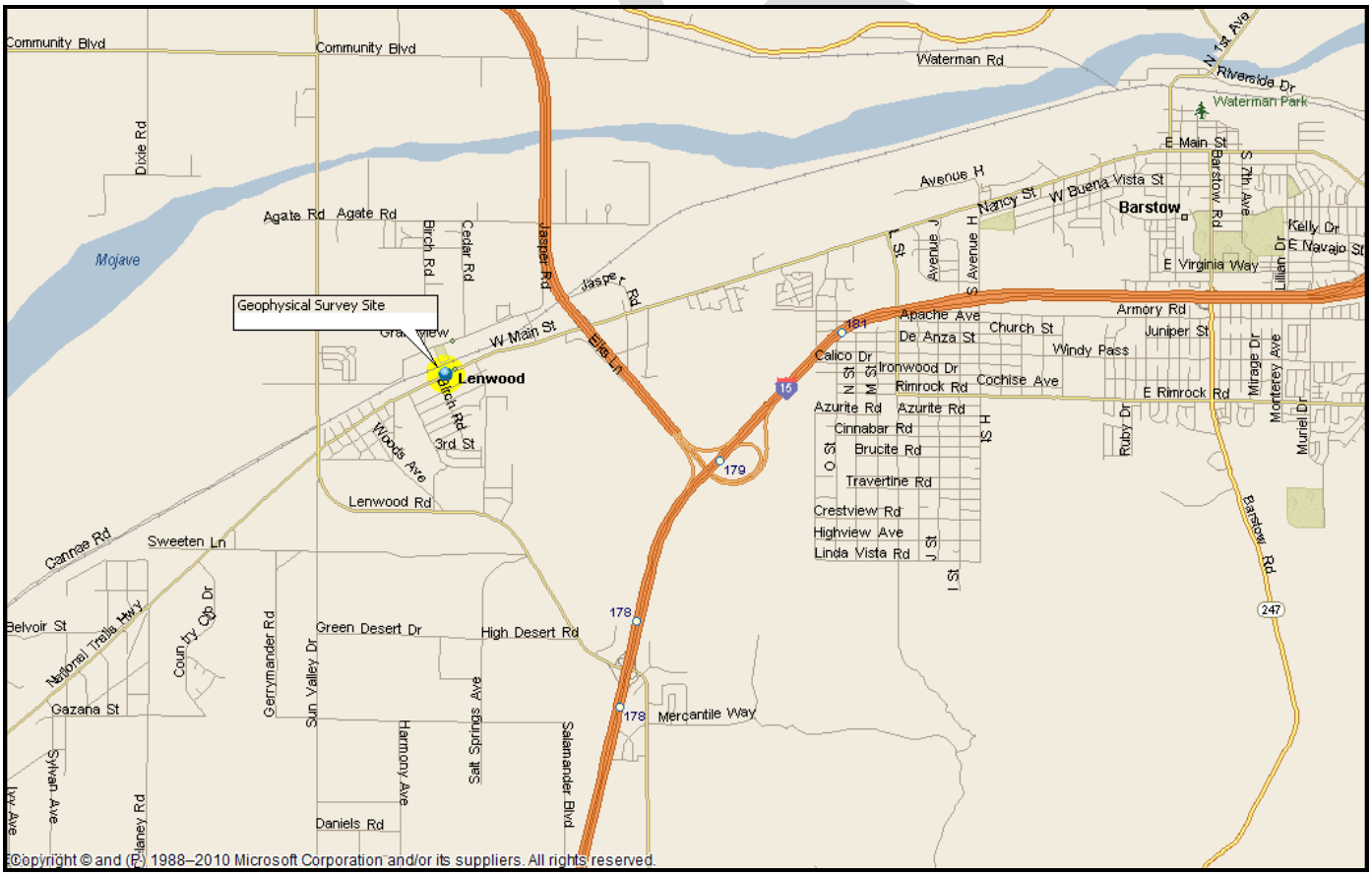


FIGURE 1. Site location map.

Survey Design

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Brief Description of the Geophysical Methods Applied

[illegible]

[illegible]

Interpretation and Conclusions [illegible]

[illegible]

General Limitations, Cautions, and Further Recommendations [illegible] **cannot be guaranteed** [illegible]

[illegible]

[illegible]

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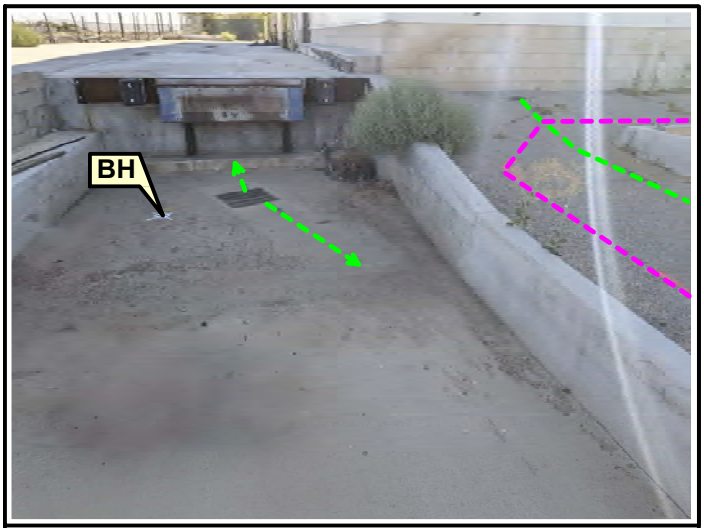


Figure 2



Figure 3

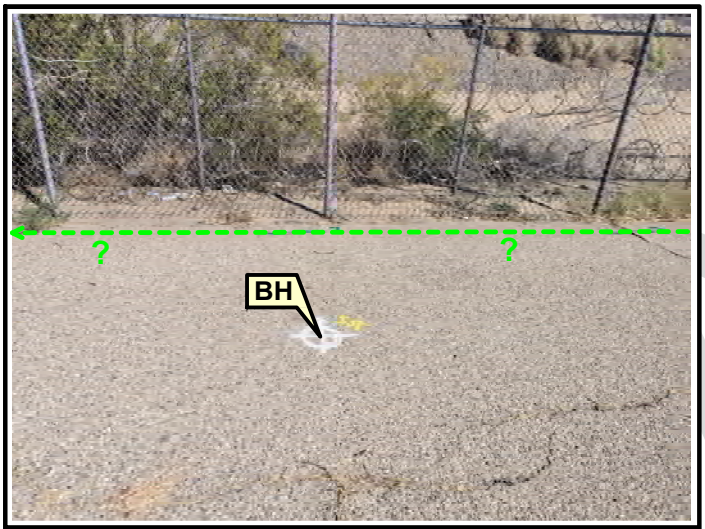


Figure 4

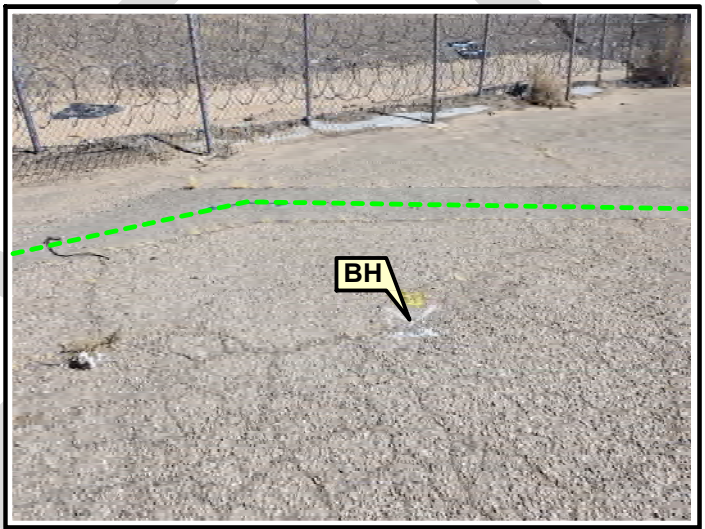


Figure 5

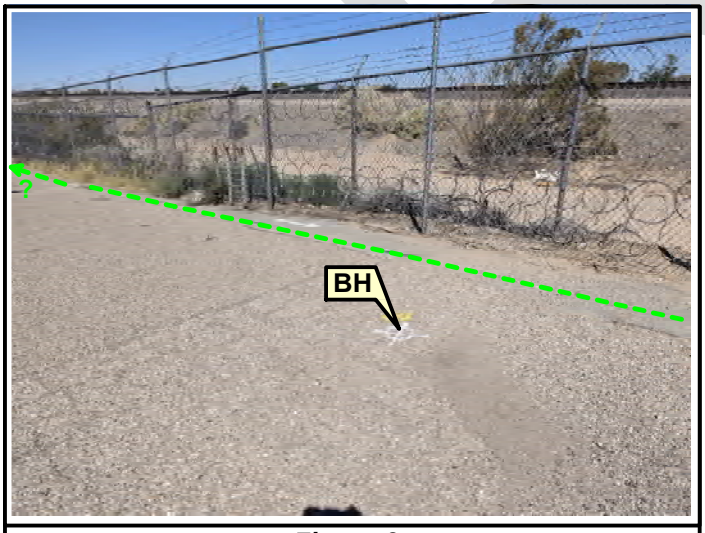


Figure 6

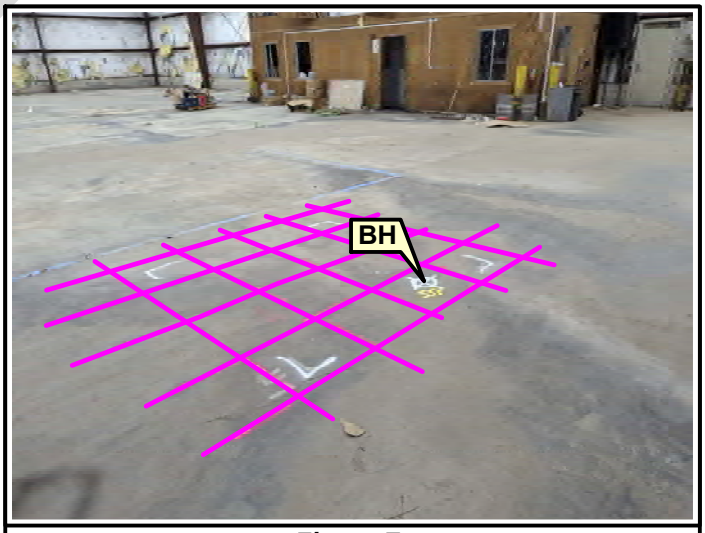


Figure 7

Sub Surface Surveys	SITE: **BNSF Lone Oak Barstow LLC** **25538 West Main Street** **Barstow, CA**	TITLE: **Borehole Photographs**	SURVEY DATE: **August 19, 2024**
		PREPARED FOR: **TRC**	SSS PROJECT NO: **24-358**

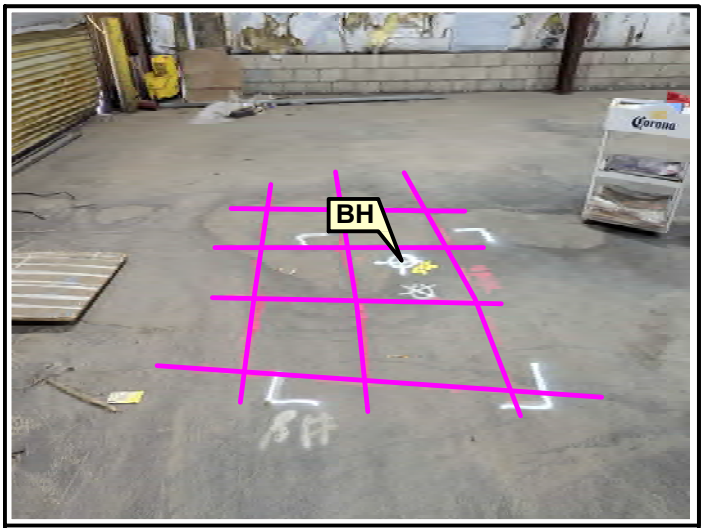


Figure 8



Figure 9

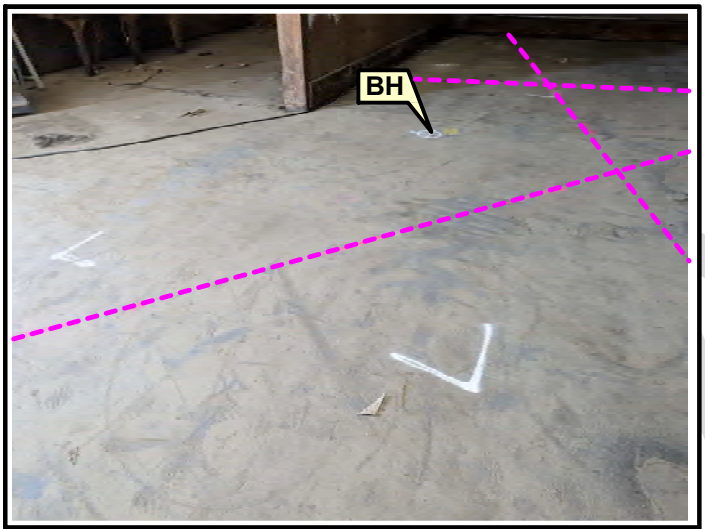


Figure 10



Figure 11

No Photo

No Photo

Sub Surface Surveys	SITE: **BNSF Lone Oak Barstow LLC** **25538 West Main Street** **Barstow, CA**	TITLE: **Borehole Photographs**	SURVEY DATE: **August 19, 2024**
		PREPARED FOR: **TRC**	SSS PROJECT NO: **24-358**

Attachment B: Field Monitoring Data Sheets

DRAFT

FIELD MONITORING DATA SHEET

Technician: Mata Job #/Task #: 596818 Date: 8/15/24

Site ID: BNSF-Lone Oak Barstow Project Manager: Gil Fry Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-1	X	0710	32.01	20.86	—	—	1120	
MW-3	X	0722	31.71	21.25	—	—	1147	
MW-2	X	0734	39.48	20.31	—	—	1210	

FIELD DATA COMPLETE	QA/QC	COC	WELL BOX CONDITION SHEETS
MANIFEST	DRUM INVENTORY	TRAFFIC CONTROL	

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: BNSF-Lone Oak Barstow	LOCATION ID: MW-3
PROJECT NUMBER:	DATE: 8/15/24
SAMPLE ID: MW-3	START TIME: 0908
SAMPLE TIME: 1147	END TIME: 0923
	SITE NAME/NUMBER: BNSF Lone Oak
	PAGE: of

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			

INITIAL DTW (BMP)	21.25 FT	FINAL DTW (BMP)	21.55 FT	PROT CASING STICKUP (AGS)	N/A FT	TOC/TOR DIFFERENCE	N/A FT
WELL DEPTH (BMP)	31.71 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	N/A PPM	REFILL TIMER SETTING	8 SEC
WATER COLUMN	10.46 FT	DRAWDOWN VOLUME (final DTW − initial DTW × well diam. squared × 0.041)	0.0492 GAL	PID WELL MOUTH	N/A PPM	DISCHARGE TIMER SETTING	4 SEC
CALCULATED GAL/VOL (column × well diameter squared × 0.041)	1.71 GAL	TOTAL VOL. PURGED (mL per minute × total minutes × 0.00026 gal/mL)	0.78 GAL	DRAWDOWN/ TOTAL PURGED	0.0630	PRESSURE TO PUMP	25 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA

TIME (3-5 Minutes)	DTW (FT) 0.03 ft Drawdown	PURGE RATE (mL/min)	TEMP (°C) (± 3%)	SP CONDUCTANCE (mS/cm) (± 3%)	pH (SU) (± 0.1 SUs)	DO (mg/L) (± 10%)	TURBIDITY (NTU) (± 10% or <10 NTU)	ORP (mV) (± 10 mV)	PUMP INTAKE DEPTH (Ft)	COMMENTS
0908	BEGIN PURGING									
0911	21.14	600 ml	30.21	27.4	6.48	2.34	49.4	148	29'	
0914	21.18	600 ml	30.19	27.5	6.51	1.86	32.6	151		
0917	21.31	600 ml	30.26	27.3	6.55	1.36	29.4	150		
0920	21.41	600 ml	30.31	27.5	6.61	1.08	27.4	152		
0923	21.55	600 ml	30.39	27.7	6.64	0.74	26.1	153		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	30.39	27.7	6.64	0.74	26.1	153

TEMP: measured degrees on 10 T = 100
COND: 3 SF max res. 3333 = 3330; 0.696 = 0.696
pH: nearest tenth (ex. 5.52 = 5.5)
DO: nearest tenth (ex. 3.22 = 3.2)
TURB: 3 SF max. nearest tenth (ex. 19 = 0.2; 101 = 101)
ORP: 3 SF (443 = 440; 291 = 290)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☐ PERISTALTIC ☒ SUBMERSIBLE ☒ BLADDER ☐ WATTERA ☐ OTHER ☐ OTHER

DECON FLUIDS USED: ☒ LIQUINOX ☒ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS: ☐ SILICON TUBING ☐ TEFLON TUBING ☒ TEFLON LINED TUBING ☐ HDPE TUBING ☐ LDPE TUBING ☐ OTHER ☐ OTHER

☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATERIAL ☐ GEOPROBE SCREEN ☒ TEFLON BLADDER ☐ OTHER ☐ OTHER ☐ OTHER

EQUIPMENT USED: ☐ WL METER ☐ PID ☒ WQ METER Horiba U-52 ☐ TURB METER ☐ PUMP ☐ OTHER ☐ FILTERS NO ___ TYPE ___

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATIVE METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: ☒ YES ☐ NO

NUMBER OF GALLONS GENERATED: 0.78

NO PURGE METHOD UTILIZED: ☐ YES ☒ NO

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Mata

Checked By: Date: 8/15/24

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: BNSF Lone Oak Barstow	LOCATION ID: MW-2
PROJECT NUMBER:	DATE: 8/15/24
SAMPLE ID: MW-2	START TIME: 1007
SAMPLE TIME: 1210	END TIME: 1022
	SITE NAME/NUMBER: BNSF Lone Oak
	PAGE: of

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	✓		
CASING		✓	
LOCKED		✓	
COLLAR	✓		

INITIAL DTW (MP)	20.31 FT	FINAL DTW (MP)	22.24 FT	PROT CASING STICKUP (AGS)	N/L FT	TOC/TOR DIFFERENCE	N/A FT
WELL DEPTH (MP)	39.48 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	N/A PPM	REFILL TIMER SETTING	8 SEC
WATER COLUMN	19.17 FT	DRAWDOWN VOLUME (Final DTW minus initial DTW x well diam. squared x 0.041)	0.316 GAL	PID WELL MOUTH	NA PPM	DISCHARGE TIMER SETTING	4 SEC
CALCULATED GAL/VOL (column 3 well diameter squared x 0.041)	3.14 GAL	TOTAL VOL PURGED (min. per minute x total minutes x 0.00026 gal/mL)	0.78 GAL	DRAWDOWN/ TOTAL PURGED	0.405	PRESSURE TO PUMP	25 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA

TIME 3-5 Minutes	DTW (FT) 0.0-0.3 ft Drawdown	PURGE RATE (mL/min)	TEMP (°C) (± 3%)	SP CONDUCTANCE (mS/cm) (± 3%)	pH (SU) (± 0.1 SUs)	DO (mg/L) (± 10%)	TURBIDITY (NTU) (± 10% or <10 NTU)	ORP (mv) (± 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1007	BEGIN PURGING									
1010	20.59	600 mL	31.11	33.0	6.71	2.64	37.4	161	37	
1013	20.89	600 mL	31.27	33.1	6.72	1.94	37.8	160		
1016	21.24	600 mL	31.31	33.3	6.75	1.46	37.5	162		
1019	21.91	600 mL	31.36	33.5	6.77	1.16	37.7	163		
1022	22.24	600 mL	31.42	33.7	6.81	0.81	37.8	164		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

TEMP: nearest degree (ex. 12.3 = 12)
COND: 3 SF max (ex. 3833 = 3830; 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.21 = 3.2)
TURB: 3 SF max, nearest tenth (< 1.0 - 0.2; 101 - 1021)
ORP: 3 SF (-64.3 - -64; 291 - 290)

	31.42	33.7	6.81	0.81	37.8	164

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☐ PERISTALTIC
- ☐ SUBMERSIBLE
- ☒ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☒ LIQUINOX
- ☒ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS
- ☐ SILICON TUBING
- ☐ TEFLON TUBING
- ☒ TEFLON LINED TUBING
- ☐ HDPE TUBING
- ☐ LDPE TUBING
- ☐ OTHER
- ☐ OTHER
- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☒ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☐ WL METER
- ☐ PID
- ☒ WQ METER Horiba U52
- ☐ TURB METER
- ☐ PUMP
- ☐ OTHER
- FILTERS: NO ___ TYPE ___

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATIVE METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☒	☐
NO-PURGE METHOD UTILIZED	☐	☒

NUMBER OF GALLONS GENERATED: 0.78

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Matt

Checked By: Date: 8/15/24

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: BNSF Lone Oak Barstow
PROJECT NUMBER:
SAMPLE ID: MW-1 | SAMPLE TIME: 1120
LOCATION ID: MW-1 | DATE: 8/15/24
START TIME: 0816 | END TIME: 0831
SITE NAME/NUMBER: BNSF Lone Oak | PAGE: of

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER
TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER
MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED		✓	
COLLAR	✓		

INITIAL DTW (BMP)	20.86 ft	FINAL DTW (BMP)	21.31 ft	PROT. CASING STICKUP (AGS)	N/A ft	TOC/TOR DIFFERENCE	N/A ft
WELL DEPTH (BMP)	32.01 ft	SCREEN LENGTH	ft	PID AMBIENT AIR	N/A ppm	REFILL TIMER SETTING	8 sec
WATER COLUMN	11.15 ft	DRAWDOWN VOLUME (final DTW − initial DTW × well diam. squared × 0.041)	0.0738 GA	PID WELL MOUTH	N/A ppm	DISCHARGE TIMER SETTING	4 sec
CALCULATED GAL/VOL (column × well diameter squared × 0.041)	1.82 GAL	TOTAL VOL PURGED (mL per minute × total minutes ÷ 0.000125 gal/mL)	0.78 GA	DRAWDOWN/ TOTAL PURGED	0.0946	PRESSURE TO PUMP	25 psi

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA

TIME 3-5 Minutes	DTA (FT) 0.03 ft Drawdown	PURGE RATE (mL/min)	TEMP (°C) (± 3%)	SP. CONDUCTANCE (mS/cm) (± 3%)	pH (SU) (± 0.1 SU)	DO (mg/L) (± 10%)	TURBIDITY (NTU) (± 10% or <10 NTU)	ORP (mV) (± 10 mV)	PUMP INTAKE DEPTH (ft)	COMMENTS
0816	BEGIN PURGING									
0819	21.02	600 ml	29.54	28.0	6.68	3.26	64.6	84	30'	
0822	21.11	600 ml	29.59	28.1	6.71	2.91	63.2	85		
0825	21.20	600 ml	29.61	28.2	6.63	2.71	60.1	86		
0828	21.25	600 ml	29.64	27.4	6.59	2.62	57.4	87		
0831	21.31	600 ml	29.67	25.4	6.54	2.34	55.2	89	↓	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	29.67	25.4	6.54	2.34	55.2	89

TEMP (nearest degree (ex. 10.1 → 10))
COND 3 SF max (ex. 3333 → 3330; 0.696 → 0.696)
pH (nearest tenth (ex. 5.53 → 5.5))
DO (nearest tenth (ex. 3.41 → 3.4))
TURB 3 SF max (nearest tenth (6.29 → 6.2; 103 → 103))
ORP 3 SF max (ex. 291 → 291)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☐ PERISTALTIC ☒ SUBMERSIBLE ☒ BLADDER ☐ WATTERA ☐ OTHER ☐ OTHER

DECON FLUIDS USED: ☒ LIQUINOX ☒ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS: ☐ SILICON TUBING ☐ TEFLON TUBING ☒ TEFLON LINED TUBING ☐ HDPE TUBING ☐ LDPE TUBING ☐ OTHER ☐ OTHER
☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATERIAL ☐ GEOPROBE SCREEN ☒ TEFLON BLADDER ☐ OTHER ☐ OTHER

EQUIPMENT USED: ☐ WL METER ☐ PID ☒ WQ METER Horiba U-52 ☐ TURB METER ☐ PUMP ☐ OTHER ☐ FILTERS NO ___ TYPE ___

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: ☒ YES ☐ NO
NUMBER OF GALLONS GENERATED: 0.78
NO-PURGE METHOD UTILIZED: ☐ YES ☒ NO
If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Mata
Checked By: Date: 8/15/24

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

WELL BOX CONDITION REPORT

SITE NO BNSF - Lone Oak Barstow

ADDRESS 25538 W. Main St, Barstow

DATE 8/15/24

PERFOMED BY Mata

PAGE 1 OF 1

Well Name	Current Well Box Size	Wellhead Integrity OK to Sample	# of Ears	# of Stripped Ears	# of Broken Ears	# of Broken Bolts	# of Missing Bolts	Seal Damaged	Missing Lid	Broken Lid	Well Box is Exposed	Well Box is Below Grade	Unable to Access	Unable to Locate	Foundation Damaged	Paved Over	Street Well	Saw Cut Needed	System Well	USA Marked Well	Comments
MW-1	10"	Y	2																		
MW-2	10"	Y	2																		
MW-3	10"	Y	2																		

TRC

DRUM INVENTORY FIELD SHEET

CLIENT: _____

PROJECT NUMBER: _____ **DATE:** 8/15/24

SITE: BNSF-Lone Oak Barstow

ADDRESS: 25538 W. Main St

CITY: Barstow

ACTIVE STATION: Yes_____ No✓

DRUMS EMPTY: ✓ **DRUMS FULL:** 1

DRUMS LABELED: Yes✓ No_____

TOTAL GALLONS GENERATED: 8

DRUMS LEFT ONSITE: Yes_____ No_____

SPECIAL INSTRUCTIONS: left One drum onsite

Technician: Mata

Company Name/Address:
TRC - BNSF Region 4

6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
Accounts Payable
6 Executive Circle, Suite 200
Irvine, CA 92614

Pres Chk

Report to: **Jose Maldonado**

Email To: **JMaldonado@trccompanies.com;gfry@trccomp**

Project Description: **Lone Oak Barstow LLC**

City/State Collected: Barstow, CA

Please Circle: PT MT CT ET

Phone: **661-520-8414**

Client Project # **596818.0000.0000**

Lab Project # **BNSF4TRC-BARSTOWLOAK**

Collected by (print): Eladio

Site/Facility ID # Rest Area O + Barstow

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270 100ml Amb NoPres	DROCAERLVI 40mlAmb-HCl-BT	M6020DCAM17-(FF) 250mlHDPE-NoPres	V8260 40mlAmb-HCl							Remarks	Sample # (lab only)
MW-1	G	GW	—	8/15/24	1120	8	X	X	X	X								
MW-3	G	GW	—	↓	1147	8	X	X	X	X								
MW-2	G	GW	—	↓	1210	8	X	X	X	X								
		GW																
		GW																

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG #

Table #

Acctnum: **BNSF4TRC**
Template: **T258345**
Prelogin: **P1094988**
PM: **4089 - Andi R Jones**
PB: 8/13/2024

Shipped Via: **1st Overnight**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: Bill to TRC-BNSF Contract Rates-PO# X"
Title 22 Metals to be filtered by the lab as soon as received"

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	8/15/24				
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF / OK

METER CALIBRATION LOG

CLIENT NAME: _____

SITE #: BNSF-Lone Oak Barstow

LOCATION: 25538 W. Main St.

METER BRAND NAME: Horiba

METER MODEL #: F250

ALTON METER #: F250

CALIBRATION STANDARD EXP. DATE: _____

CALIBRATED BY: Pine

DATE: 8/15/24

METER BRAND NAME: _____

METER MODEL #: _____

ALTON METER #: _____

CALIBRATION STANDARD EXP. DATE: _____

SITE INITIAL CALIBRATION			*POST SAMPLING STANDARD MEASUREMENTS*		
	Standard	Final Calibrated Values		Standard	Measured Values
pH	4.00	4.00	pH	4.00	
pH	7.00	—	pH	7.00	
pH	10.00	—	pH	10.00	
Conductivity	1000	—	Conductivity	1000	
Conductivity	10000		Conductivity	10000	
Turbidity	1.0		Turbidity	1.0	
Turbidity	10.0		Turbidity	10.0	

REMARKS:

SIGNATURE: _____

Page _____ of _____

TRC

VEHICLE ID# F250
Org of Equip Owner
Irvine RMD / CNR
San Diego RMD - CNR
Concord RMD - CNR
Circle One Listed Above

Daily Materials & Mileage Usage Report

Employee Name: Matg
Date(s) of Field Work: 8/15/24
Project #: 596818

Project Org:
Site Name: BNSF - Lone Oak Barstow
Description: GW Sampling

Version 2.4.2013

Field Equipment Usage (Company Owned)			
Task/Phase	Group / Description	QTY	Unit of Measure
	Company Vehicle		Per Hour
	Company Vehicle	1	Per Day
	Company Vehicle	189	Per Mile
	2" Grundfos Sub Pump with Control Box		Per Day
	Penstaltic Pump		Per Day
	Diaphragm Pump		Per Day
	Bladder Pump	1	Per Day
	Controller for Bladder Pump		Per Day
	Portable Generator		Per Day
	Air Compressor		Per Day
	pH/Conductivity/Temp Meter		Per Day
	Dissolved Oxygen Meter		Per Day
	ORP Meter		Per Day
	Turbidity Meter		Per Day
	Multi-probe Flowcell (pH, Temp., Conductivity, DO, ORP, & Turbidity)		Per Day
	Interface Probe	1	Per Day
	Water Level Sounder		Per Day
	PID		Per Day
	FID		Per Day
	CO_2 Meter		Per Day
	4 Gas Meter		Per Day
	Digital Camera		Per Day
	Single-Channel Data Logger &Transducer		Per Day
	Laptop		Per Day
	Hand Auger Kit		Per Day
	Traffic Control Arrow Board		Per Day
	Air Sparge Test Equipment		Per Day
	GW Pumping Test Equipment		Per Day
	Vapor Extraction Test Equipment		Per Day
	Sound Level Meter		Per Day
	Jackhammer		Per Day
	GPS		Per Day
	Toughbook Tablet		Per Day
	GW Injection Trailer		Per Day

Personal Protection Equipment			
Task/Phase	Group / Description	QTY	Unit of Measure
	Nitrile Gloves	15 pairs	Each Pair
	Dual Cartridge Respirator		Per Day
	Replacement Respirator Cartridge		Each Set
	Tyvek Suit		Each
	Dust Mask		Each
	PPE	1	Day

"Inventory" Materials			
Task/Phase	Group / Description	QTY	Unit of Measure
	Disposable Teflon Bailer		Each
	55-gallon DOT-approved drum	1	Each
	Locking Casing Cap		Each
	Padlock		Each
	8-inch Well Box		Each
	12-inch Well Box		Each
	18-inch Well Box		Each
	24-inch Well Box		Each
	Concrete (Redimix)		Each
	Concrete (Rapid Set)		Each
	Cold Patch		Each
	Bag of Sand		Each
	Soil Tube (1.5 inch)		Each
	EPA Method 5035 Sample Container		Each
	Tedlar Bags		Each

FIELD MONITORING DATA SHEET

Technician: Mata / Paul Kec Job #/Task #: 596818 Date: 8/23/24

Site ID: BNSF - Lone Oak Barstow Project Manager: Gil fry Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
SB-3-GW	-23'	0701	30.22	22.83	—	—	0830	
SB-6-GW	-24'	1250	29.8	23.9	—	—	1250	intial DTW during daily was at 24.1

FIELD DATA COMPLETE	QA/QC	COC	WELL BOX CONDITION SHEETS
MANIFEST	DRUM INVENTORY	TRAFFIC CONTROL	

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: BNSF - Lone Oak Bastow	LOCATION ID: SB-3-GW
PROJECT NUMBER:	DATE: 8/23/24
SAMPLE ID: SB-3-GW	START TIME: 0720
SAMPLE TIME:	END TIME:
SITE NAME/NUMBER:	PAGE: of

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR	✓		

INITIAL DTW (BMP)	22.83 FT	FINAL DTW (BMP)	FT	PROT. CASING STICKUP (AGL)	N/A FT	TOC/TOR DIFFERENCE	N/A FT
WELL DEPTH (BMP)	30.22 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	N/A PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	7.39 FT	DRAWDOWN VOLUME (final DTW − initial DTW × well diam. squared × 0.041)	GAL	PID WELL MOUTH	N/A PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared x 0.041)	1.27 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA

TIME (3-5 Minutes)	DTW (FT) 0.0-0.3 ft Drawdown	PURGE RATE (mL/min)	TEMP (°C) (± 3%)	SP. CONDUCTANCE (mS/cm) (± 3%)	pH (SU) (± 0.1 SUs)	DO (mg/L) (± 10%)	TURBIDITY (NTU) (± 10% or <10 NTU)	ORP (mv) (± 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0720	BEGIN PURGING									
0723	22.91	600 ml	23.94	7.66	8.04	5.26	142	-49	38'	
0726	23.01	600 ml	23.99	7.68	8.09	5.34	143	-51		
0729	23.09	600 ml	23.91	7.67	8.06	5.46	140	-48		
0732	23.11	600 ml	23.97	7.63	8.01	5.04	127	-47		
0735	23.13	600 ml	24.01	7.60	8.04	4.53	125	-45		
0738	23.15	600 ml	24.07	7.53	8.07	4.26	123	-40		
0741	23.18	600 ml	24.03	7.53	8.06	4.34	125	-48		
0744	23.20	600 ml	24.05	7.58	8.11	3.75	88.9	-50		
0747	23.22	600 ml	24.09	7.61	8.15	2.49	87.4	-49		
0750	23.24	600 ml	24.12	7.67	8.11	2.21	83.8	-50		
0753	23.25	600 ml	24.15	7.66	8.07	2.04	82.1	-51		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP: minimum degrees (in °C) × 100
COND: 2 SF max (ex. 3333 = 3330; 0.666 = 0.66); µm observed (ex. 5.2 = 5.2)
DO: nearest tenth (ex. 5.25 = 5.2)
TURB: 2 SF max, reading below 10 (1.18 = 1.2; 388 = 380)
ORP: 2 SF (ex. 2 = 02; 299 = 300)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ BLADDER ☐ _____ ☐ WATERRA ☐ OTHER _____ ☐ OTHER _____

DECON FLUIDS USED: ☒ LIQUINOX ☒ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER _____

TUBING/PUMP/BLADDER MATERIALS: ☐ SILICON TUBING ☐ TEFLON TUBING ☒ TEFLON LINED TUBING ☐ HDPE TUBING ☐ LDPE TUBING ☐ OTHER _____ ☐ OTHER _____ ☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATERIAL ☐ GEOPROBE SCREEN ☐ TEFLON BLADDER ☐ OTHER _____ ☐ OTHER _____

EQUIPMENT USED: ☐ WL METER _____ ☐ PID _____ ☒ WQ METER Aquaread ☐ TURB. METER _____ ☐ PUMP _____ ☐ OTHER _____ ☐ FILTERS NO ___ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS

PURGE OBSERVATIONS

	YES	NO	
PURGE WATER CONTAINERIZED	☒	☐	NUMBER OF GALLONS GENERATED
NO-PURGE METHOD UTILIZED	☐	☒	If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Matt

Checked By: Date: 8/23/24

TRC

Continue

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	
PROJECT NUMBER	
SAMPLE ID: SB-5-GW-23'	SAMPLE TIME: 0830

LOCATION ID	DATE
START TIME	END TIME
SITE NAME/NUMBER	PAGE OF

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP			
CASING			
LOCKED			
COLLAR			

INITIAL DTW (MP)	FT	FINAL DTW (MP)	FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (MP)	FT	SCREEN LENGTH	FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	FT	DRAWDOWN VOLUME (Final DTW − Initial DTW × well diam. squared × 0.041)	GAL	PID WELL MOUTH	PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (Length × well diameter squared × 0.041)	GAL	TOTAL VOL. PURGED (mL per minute × total minutes ÷ 0.00026 gal/mL)	GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA

TIME (3-5 Minutes)	DTW (FT) 0.03 ft Drawdown	PURGE RATE (mL/min)	TEMP (°C) (± 3%)	SP. CONDUCTANCE (mS/cm) (± 3%)	pH (SU) (± 0.1 SU's)	DO (mg/L) (± 10%)	TURBIDITY (NTU) (± 10% or <10 NTU)	ORP (mv) (± 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
0756	23.27	600 ml	24.31	7.26	8.12	3.74	86.4	-62	28	
0757	23.29	600 ml	24.34	7.29	8.14	3.54	85.1	-64		
0802	23.29	600 ml	24.31	7.28	8.09	3.33	81.4	-61		
0805	23.29	600 ml	24.30	7.33	8.08	3.21	80.6	-58		
0808	23.32	600 ml	24.33	7.38	8.05	3.09	78.4	-55		
0811	23.33	600 ml	24.41	7.50	8.05	3.03	77.4	-54		
0814	23.34	600 ml	24.30	7.57	8.05	3.01	77.6	-54		
0817	23.34	600 ml	24.33	7.61	8.06	2.98	76.4	-55		
0820	23.35	600 ml	24.40	7.64	8.05	2.74	75.1	-54		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

	24.40	7.64	8.05	2.74	75.1	-54

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ BLADDER ☐ _____ ☐ WATTERA ☐ OTHER _____ ☐ OTHER _____

DECON FLUIDS USED: ☒ LIQUINOX ☒ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER _____

TUBING/PUMP/BLADDER MATERIAL: ☐ SILICON TUBING ☐ TEFLON TUBING ☐ TEFLON LINED TUBING ☐ HDPE TUBING ☐ LDPE TUBING ☐ OTHER _____ ☐ OTHER _____ ☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATERIAL ☐ GEOPROBE SCREEN ☐ TEFLON BLADDER ☐ OTHER _____ ☐ OTHER _____ ☐ OTHER _____

EQUIPMENT USED: ☐ WL METER _____ ☐ PID _____ ☐ WQ METER _____ ☐ TURB. METER _____ ☐ PUMP _____ ☐ OTHER _____ ☐ FILTERS NO ___ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATIVE METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS

PURGE OBSERVATIONS

PURGE WATER CONTAMINIZED: YES ☐ NO ☐ NUMBER OF GALLONS GENERATED

NO PURGE METHOD UTILIZED: YES ☐ NO ☐ Did you purged approximately 3 standing volume prior to sampling or _____ mL for this sample location

SKETCH/NOTES

Sampler Signature: Print Name:

Checked By: Date:

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: BNSF Loan Oak Baristow		LOCATION ID: SB-6-GW-24	DATE: 8/23/24
PROJECT NUMBER:		START TIME:	END TIME:
SAMPLE ID: SB-6-GW-24	SAMPLE TIME: 1410	SITE NAME/NUMBER: BNSF Lone Oak	PAGE: 1 of 2

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY	YES	NO	N/A
CAP	✓		
CASING			
LOCKED			
COLLAR	✓		

INITIAL DTW (BMP)	23.4 FT	FINAL DTW (BMP)	FT	PROT CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	N/A FT
WELL DEPTH (BMP)	29.8 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	N/A PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	6.4 FT	DRAWDOWN VOLUME (final DTW − initial DTW × well diam. squared × 0.041)	GAL	PID WELL MOUTH	N/A PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column 4 × well diameter squared × 0.041)	1.04 GAL	TOTAL VOL. PURGED (mL per minute × total minutes × 0.000026 gal/mL)	GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA

TIME (3-5 Minutes)	DTW (FT) (0.0-0.3 ft Drawdown)	PURGE RATE (mL/min)	TEMP (°C) (± 3%)	SP CONDUCTANCE (mS/cm) (± 3%)	pH (SU) (± 0.1 SU's)	DO (mg/L) (± 10%)	TURBIDITY (NTU) (± 10% or <10 NTU)	ORP (mV) (± 10 mV)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
1320	23.4	2gal/min	—	—	—	—	—	—	—	Bail
1327	24.4	600 mL	27.67	13.3	8.7	2.32	>1000 D	-54	27	pump
1354	23.8	600 mL	26.28	13.4	8.59	1.02	↓	-75		
1401	23.1	600 mL	26.10	13.4	8.57	0.90	785	-83		
1407	23.2	↓	25.55	13.4	8.61	1.15	1000	-83		
1411			25.57	13.4	8.58	0.90	819	-89		
1417			25.71	13.4	8.59	0.80	149	-97		
1418	23.1		25.57	13.4	8.59	0.78	287	-95	26	adjusted intake depth 26
1423			25.43	13.4	8.58	0.74	476	-92		
1426			25.34	13.4	8.57	0.73	480	-92		
1431		↓	25.21	13.4	8.57	0.70	484	-94	↓	
	FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))									→ cont.
										TEMP: recorded degree (ex. 10.1 = 10) COND: 1 SF max (ex. 3333 = 3330; 0.666 = 0.670) pH: recorded tenth (ex. 5.52 = 5.5) DO: record to tenth (ex. 3.32 = 3.3) TURB: 2 SF max, record tenth (5.10 – 9.2, 101 – 101) ORP: 2 SF (44.1 – 44: 291 – 290)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☒ PERISTALTIC ☐ SUBMERSIBLE ☐ BLADDER ☐ WATERRA ☐ OTHER ☐ OTHER

DECON FLUIDS USED: ☒ LIQUINOX ☐ DEIONIZED WATER ☐ POTABLE WATER ☐ NITRIC ACID ☐ HEXANE ☐ METHANOL ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS: ☐ SILICON TUBING ☒ TEFLON TUBING ☐ TEFLON LINED TUBING ☐ HDPE TUBING ☐ LDPE TUBING ☐ OTHER ☐ OTHER | ☐ S. STEEL PUMP MATERIAL ☐ PVC PUMP MATTRIAL ☐ GEOPROBE SCREEN ☐ TEFLON BLADDER ☐ OTHER ☐ OTHER ☐ OTHER

EQUIPMENT USED: ☐ WL METER ☐ PID ☒ WQ METER Horiba ☐ TURB METER ☐ PUMP ☐ OTHER ☐ FILTERS NO ___ TYPE ___

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: ☒ YES ☐ NO — NUMBER OF GALLONS GENERATED

NO PURGE METHOD UTILIZED: ☐ YES ☒ NO — If yes, purged approximately 1 standing volume prior to sampling or ___ mL for this sampler location

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Matt Paul

Checked By: [signature] Date: 8/23/24

TRC

time	DTW	purge rate	temp	SP Cond.	pH	DO	Turb.	ORP	Pump intake
1413	23.1	600 mL/min	25.22	13.4	8.58	0.68	420	-95	26
1432	↓	↓	25.12	13.4	8.58	0.68	392	-94	26

Soil Vapor Sampling Field Form - Helium

Project Information

Project Name: TRC - Barstow
Project Num: EST3493
Date: 08-22-24
Sampler: Jon Castillo
Probe ID: SSV-1
Depth: Sub-Slab
Duplicate ID: SSV-1-Dup
Weather: Sunny - Warm

Purge Volume
Purge Rate
Purge Time

Calc. 3PV (mL): 416
(mL/min): 200
(mins): 2 min 6 sec

Sampling
Container

Container Type: Suma
Size: 1 L

Sampling Parameters

Probe Condition: Good/Poor
Shut-in Test - Minimum of 100 Inches of Water Column (IWC) for 1 minute: Pass/Fail
Tracer Test Performed: Helium
Concentration In Shroud Prior to Purge: 6.3

Starting Purge Time	Ending Purge Time	Volume Removed (PV)	Helium Concentration in Effluent (ppmv)	Helium Concentration in Shroud (ppmv)
1110	1111	1	0	6.1
1111	1112	2	0	5.5
1112	1113	3	0	5.7

Maximum Vacuum Measured During Purging (IWC): 0
Helium in Effluent Less Than 5% of Conentration in Shroud: Y/N

Sample Collection

Sample ID	Canister ID	Flow Controller ID	Start Sample		End Sample		He Shroud Conc.	
			Time	Vacuum	Time	Vacuum	Start	End
SSV-1	N6571	3503	1114	-29	1118	-4	5.2	3.8
SSV-1-Dup	N6543	3502	1121	-29	1128	-4	5.5	3.7

Probe Secured After Sampling: Y/N
Chain of Custody Completed (Lab) Y/N

Notes:

Soil Vapor Sampling Field Form - Helium

Project Information

Project Name: TRC - Barstow
Project Num: EST3493
Date: 8-22-24
Sampler: Jon Castillo
Probe ID: SSV-2
Depth: Sub-Slab
Duplicate ID:
Weather: Sunny - Warm

Purge Volume
Calc. 3PV (mL): 416

Purge Rate
(mL/min): 200

Purge Time
(mins): 2 min 6 sec

Sampling Container
Container Type: Suma
Size: 1 L

Sampling Parameters

Probe Condition: Good/Poor
Shut-in Test - Minimum of 100 Inches of Water Column (IWC) for 1 minute: Pass/Fail
Tracer Test Performed: Helium
Concentration In Shroud Prior to Purge: 8.5

Starting Purge Time	Ending Purge Time	Volume Removed (PV)	Helium Concentration in Effluent (ppmv)	Helium Concentration in Shroud (ppmv)
1056	1057	1	0	8.0
1057	1058	2	0	7.4
1058	1059	3	0	7.0

Maximum Vacuum Measured During Purging (IWC): 0
Helium in Effluent Less Than 5% of Conentration in Shroud: Y/N

Sample Collection

Sample ID	Canister ID	Flow Controller ID	Start Sample		End Sample		He Shroud Conc.	
			Time	Vacuum	Time	Vacuum	Start	End
SSV-2	N6605	3540	1100	-30	1104	-4	7.0	4.6

Probe Secured After Sampling: Y/N
Chain of Custody Completed (Lab) Y/N

Notes:

Soil Vapor Sampling Field Form - Helium

Project Information

Project Name: TRC - Barstow
Project Num: EST3493
Date: 8-22-24
Sampler: JON CASTILLO
Probe ID: SSV-3
Depth: Sub-Slab
Duplicate ID:
Weather: SUNNY - WARM

Purge Volume
Calc. 3PV (mL): 416

Purge Rate
(mL/min): 200

Purge Time
(mins): 2 min 6 sec

Sampling Container
Container Type: Suma
Size: 1 L

Sampling Parameters

Probe Condition: Good/Poor
Shut-in Test - Minimum of 100 Inches of Water Column (IWC) for 1 minute: Pass/Fail
Tracer Test Performed: Helium
Concentration In Shroud Prior to Purge: 5.5

Starting Purge Time	Ending Purge Time	Volume Removed (PV)	Helium Concentration in Effluent (ppmv)	Helium Concentration in Shroud (ppmv)
1030	1031	1	0	5.5
1031	1032	2	0	5.1
1032	1033	3	0	4.8

Maximum Vacuum Measured During Purging (IWC): 0
Helium in Effluent Less Than 5% of Conentration in Shroud: Y/N

Sample Collection

Sample ID	Canister ID	Flow Controller ID	Start Sample		End Sample		He Shroud Conc.	
			Time	Vacuum	Time	Vacuum	Start	End
SSV-3	N6609	~~ETR17~~	1033	-29	1040	-4	3.7	4.3
		3526						

Probe Secured After Sampling: Y/N
Chain of Custody Completed (Lab) Y/N

Notes:

Soil Vapor Sampling Field Form - Helium

Project Information

Project Name: TRC - Barstow
Project Num: EST3493
Date: 08-22-24
Sampler: Jon Castillo
Probe ID: SSV-4
Depth: Sub-Slab
Duplicate ID:
Weather: Sunny - Warm

Purge Volume
Calc. 3PV (mL): 416
Purge Rate
(mL/min): 200
Purge Time
(mins): 2 min 6 sec

Sampling Container
Container Type: Suma
Size: 1 L

Sampling Parameters

Probe Condition: Good/Poor
Shut-in Test - Minimum of 100 Inches of Water Column (IWC) for 1 minute: Pass/Fail
Tracer Test Performed: Helium
Concentration In Shroud Prior to Purge: 6.6

Starting Purge Time	Ending Purge Time	Volume Removed (PV)	Helium Concentration in Effluent (ppmv)	Helium Concentration in Shroud (ppmv)
1005	1006	1	0	5.4
1006	1007	2	0	5.0
1007	1008	3	0	4.9

Maximum Vacuum Measured During Purging (IWC): 0
Helium in Effluent Less Than 5% of Conentration in Shroud: Y/N

Sample Collection

Sample ID	Canister ID	Flow Controller ID	Start Sample		End Sample		He Shroud Conc.	
			Time	Vacuum	Time	Vacuum	Start	End
SSV-4	N6557	3539	1011	-30	1019	-4	13.5	7.2

Probe Secured After Sampling: Y/N
Chain of Custody Completed (Lab) Y/N

Notes:

Attachment C: Boring Logs

DRAFT

SOIL BORING LOG

BORING NO. SB-1

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
BNSF Barstow, Lone Oak Barstow LLC	8/21/2024	8/22/2024	571519

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
BC2 Environmental	Hollow Stem Auger (HSA)	---	---	20.0	8.25

Boring Location:	Personnel	Drilling Equipment:
Lone Oak, 25539 West Main Street, 92311, Barstow, CA	Logged By - Paul Kee Driller - BC2 Environmental	Limited Access HSA

Civil Town/City/or Village:	County:	State:	Water Level Observations:
Barstow	San Bernadino	California	While Drilling: Date/Time Depth (ft, bgs) - After Drilling: Date/Time Depth (ft, bgs)

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
			0	**Air-Knifed to 5 Feet.** Surface Material: 4" Asphalt, 8" RB				Borehole finished and sealed with concrete, at 0.5' below grade to surface.
HA	100			**SILTY SAND [SM],** grayish brown (10 YR, 5/2), loose, dry, very fine grained, few to little silts, trace gravel and cobbles.			0	
				2" Cobble bedding				
HA	100		5				0	
SS3	100	6 11 19		**SILTY SAND [SM],** yellowish brown (10 YR, 5/8), medium density, moist, coarse grained sand, trace gravel.	SM		0	
SS3	67	38 58	10	Dense, fine-grained, 1/2" caliche found at 14.5' below grade.			0	
SS3	67	26 50	15	**SANDY SILT [ML],** greenish gray (gley 1, 5/1), hard, moist, low-non plasticity, few fine-grained sands.	ML		0	
			20	**BORING TERMINATED AT 20' BELOW GRADE**				Borehole backfilled with Portland cement to 0.5' below grade.

SOIL BORING WELL CONSTRUCTION LOG BNSFLONEOAK.GPJ 571519 9/3/24

Signature:

Firm: TRC Companies Inc.
6 Executive Circle #200 Irvine, CA, 92614

Phone 9497279336
Fax

SOIL BORING LOG

BORING NO. SB-2

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
BNSF Barstow, Lone Oak Barstow LLC	8/21/2024	8/22/2024	571519

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
BC2 Environmental	Hollow Stem Auger (HSA)	---	---	20.0	8.25

Boring Location:	Personnel	Drilling Equipment:
Lone Oak, 25539 West Main Street, 92311, Barstow, CA	Logged By - Paul Kee Driller - BC2 Environmental	Limited Access HSA

Civil Town/City/or Village:	County:	State:	Water Level Observations:
Barstow	San Bernadino	California	While Drilling: Date/Time Depth (ft, bgs) - After Drilling: Date/Time Depth (ft, bgs)

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				Air-Knifed to 5 Feet. Surface Material: 2" Asphalt, 4" Road Base				
HA	100			**SILTY SAND [SM],** yellowish brown (10 YR, 5/4), loose, moist, fine grained, few to little silt, trace gravel.			0	Borehole finished and sealed with concrete, at 0.5' below grade to surface.
HA	100		5	Fine-medium grained, trace gravel and cobble.			0.8	
SS3	100	16 31 43	10	**SILTY SAND [SM],** dark yellowish brown (10 YR, 3/6), medium density, moist, fine-grained, trace gravel.	SM		0	
SS3	40	50	15	Dense, 1" caliche found at 14.25' below grade.			0	
SS3	67	26 28 42		Medium density, very moist, trace gravel. 2" caliche and gray silt at 19.25" below grade.			0	
			20	**BORING TERMINATED AT 20' BELOW GRADE**				Borehole backfilled with Portland cement to 0.5' below grade.

SOIL BORING WELL CONSTRUCTION LOG BNSFLONEOAK.GPJ 571519 9/3/24

Signature:	Firm: TRC Companies Inc. 6 Executive Circle #200 Irvine, CA, 92614	Phone 9497279336 Fax

SOIL BORING LOG

BORING NO. SB-3

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
BNSF Barstow, Lone Oak Barstow LLC	8/21/2024	8/22/2024	571519

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
BC2 Environmental	Hollow Stem Auger (HSA)	---	---	30.0	8.25

Boring Location:	Personnel	Drilling Equipment:
Lone Oak, 25539 West Main Street, 92311, Barstow, CA	Logged By - Paul Kee Driller - BC2 Environmental	Limited Access HSA

Civil Town/City/or Village:	County:	State:	Water Level Observations:
Barstow	San Bernadino	California	While Drilling: ▽ Depth (ft, bgs) 24

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				Air-Knifed to 5 Feet. Surface Material: 1" Asphalt.				
HA	100			**SILTY SAND [SM],** yellowish brown (10 YR, 5/4), loose, moist, fine-medium grained, trace gravels, few-little sand.			0	Borehole finished and sealed with concrete, at 0.5' below grade to surface.
HA	100		5				0	
SS3	100	14 36 42		Medium density.			0	
			10		SM			
SS3	67	50		Black (10 YR, 2/1), very dense, petroleum odor, stained.			670	
			15					
SS3	67	38 50		2" caliche at 19' below grade, petroleum odor, stained.				
			20					
SS3	67	32 50		**POORLY GRADED SAND [SP],** gray (10 YR, 5/1), dense, very moist, coarse grained, petroleum odor, stained.	SP		668	
				LEAN CLAY [CL], gray (10 YR, 5/1), hard, very moist-wet, medium grained, medium plasticity, trace sand, gravel, and cobble.	CL		18	
SS3	67	44 50			SP		980	
				▽ **POORLY GRADED SAND [SP],** black (10 YR, 2/1), very moist-wet, medium grained.	SW			
SS3	100	50 50					18	

SOIL BORING WELL CONSTRUCTION LOG BNSFLONEOAK.GPJ 571519 9/3/24

Signature:

Firm: TRC Companies Inc.
6 Executive Circle #200 Irvine, CA, 92614

Phone 9497279336
Fax

SOIL BORING LOG

BORING NO. SB-3

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				WELL GRADED SAND WITH GRAVEL [SW], gray (10 YR 5/1), very dense, wet, coarse grained, few cobble. 1" clay at 24' below grade.	SW		2.8	
			30	**BORING TERMINATED AT 30' BELOW GRADE.** A temporary groundwater well was installed, then abandoned after samples were collected.				Borehole backfilled with Portland cement to 0.5' below grade.
			35					
			40					
			45					
			50					
			55					

SOIL BORING LOG

BORING NO. SB-4

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
BNSF Barstow, Lone Oak Barstow LLC	8/21/2024	8/21/2024	571519

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
BC2 Environmental	Hand Auger	---	---	3.5	3

Boring Location:	Personnel	Drilling Equipment:
Lone Oak, 25539 West Main Street, 92311, Barstow, CA	Logged By - Paul Kee Driller - BC2 Environmental	Hand Auger

Civil Town/City/or Village:	County:	State:	Water Level Observations:	
Barstow	San Bernadino	California	While Drilling: Date/Time	Depth (ft, bgs) -
			After Drilling: Date/Time	Depth (ft, bgs)

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				Air-Knifed to 3 Feet. Surface Material: 10" concrete. Backfilled from 0.5' bgs to 3.5' bgs with aggregate.				Borehole finished and sealed with concrete, at 0.5' below grade to surface.
HA	100			6" aggregate. **SILTY SAND [SM],** yellowish brown (10 YR, 5/4), dry, fine to very-fine grained.	SM		0	
				BORING TERMINATED AT 3.5' BELOW GRADE				Borehole is backfilled with aggregate from 3.5' to 0.5' below grade.
			5					
			10					
			15					
			20					

SOIL BORING WELL CONSTRUCTION LOG BNSFLONEOAK.GPJ 571519 9/3/24

Signature:

Firm: TRC Companies Inc.
6 Executive Circle #200 Irvine, CA, 92614

Phone 9497279336
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SOIL BORING LOG

BORING NO. SB-5

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
BNSF Barstow, Lone Oak Barstow LLC	8/22/2024	8/23/2024	571519

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
BC2 Environmental	Hollow Stem Auger (HSA)	---	---	20.0	8.25

Boring Location:	Personnel	Drilling Equipment:
Lone Oak, 25539 West Main Street, 92311, Barstow, CA	Logged By - Paul Kee Driller - BC2 Environmental	Limited Access HSA

Civil Town/City/or Village:	County:	State:	Water Level Observations:
Barstow	San Bernadino	California	While Drilling: Date/Time Depth (ft, bgs) - After Drilling: Date/Time Depth (ft, bgs)

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				Air-Knifed to 5 Feet. Surface Material: 4" Concrete				
HA	100			**SILTY SAND [SM],** yellowish brown (10 YR 5/4), loose, dry, fine grained, trace cobbles.				Borehole finished and sealed with concrete, at 0.5' below grade to surface.
HA	100			1" asphalt found at 4' below grade.				
			5					
SS3	100	14 24 25		**SILTY SAND [SM],** dark yellowish brown (10 YR, 3/6), medium density, fine-medium grained, trace gravel.	SM		0	
			10					
SS3	33	38 50		Large cobbles found at 13.75' below grade. (7.5 YR, 9/4), dense, trace gravels and cobbles.			0	
			15					
SS3	67	30 50		**LEAN CLAY [CL],** greenish gray (gley, 1.5/1), hard, moist, medium plasticity, trace coarse-grained sand and gravel.	CL		0	
			20	**BORING TERMINATED AT 20' BELOW GRADE**				Borehole backfilled with Portland cement to 0.5' below grade.

SOIL BORING WELL CONSTRUCTION LOG BNSFLONEOAK.GPJ 571519 9/3/24

Signature:

Firm: TRC Companies Inc.
6 Executive Circle #200 Irvine, CA, 92614

Phone 9497279336
Fax

SOIL BORING LOG

BORING NO. SB-6

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
BNSF Barstow, Lone Oak Barstow LLC	8/22/2024	8/23/2024	571519

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
BC2 Environmental	Hollow Stem Auger (HSA)	---	---	30.0	8.25

Boring Location:	Personnel	Drilling Equipment:
Lone Oak, 25539 West Main Street, 92311, Barstow, CA	Logged By - Paul Kee Driller - BC2 Environmental	Limited Access HSA

Civil Town/City/or Village:	County:	State:	Water Level Observations:
Barstow	San Bernadino	California	While Drilling: ▽ Depth (ft, bgs) 25.4

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				Air-Knifed to 5 Feet. Surface Material: 5" Asphalt				
HA	100			**SILTY SAND [SM],** yellowish brown (10 YR, 5/4), loose, dry, fine-grained, trace cobble.			0	Borehole finished and sealed with concrete, at 0.5' below grade to surface.
HA	100		5				0	
SS3	67	25 50		Dark yellowish brown (10 YR, 3/6), dense, moist, trace gravels.	SM		0	
SS3	33	50	10				0	
SS3	33	50	15	**WELL GRADED SAND [SW],** dark yellowish brown (10 YR, 4/4), very dense, moist, fine-coarse grained, light odor, few gravel.	SW		11.2	
SS3	33	50	20	**POORLY-WELL GRADED SAND [SW-SP],** gray (10 YR, 5/1), very dense, very moist, medium-coarse grained, few gravels.	SW-SP		0.5	
SS3	33							

SOIL BORING WELL CONSTRUCTION LOG BNSFLONEOAK.GPJ 571519 9/3/24

Signature:

Firm: TRC Companies Inc.
6 Executive Circle #200 Irvine, CA, 92614

Phone 9497279336
Fax

SOIL BORING LOG

BORING NO. SB-6

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
					SW-SP			
			30	**BORING TERMINATED AT 30' BELOW GRADE.** A temporary groundwater well was installed, then abandoned after samples were collected.				Borehole backfilled with Portland cement to 0.5' below grade.
			35					
			40					
			45					
			50					
			55					

Attachment D: Laboratory Analysis Reports

DRAFT

ANALYTICAL REPORT

September 03, 2024

TRC - BNSF Region 4

Sample Delivery Group:	L1768582
Samples Received:	08/16/2024
Project Number:	596818.0000.0000
Description:	Lone Oak Barstow LLC
Site:	BNSF LOAN OAK BARSTOW
Report To:	Jose Maldonado 6 Executive Circle, Suite 200 Irvine, CA 92614

Entire Report Reviewed By:

Andi R Jones
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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DRAFT

MW-1 L1768582-01 GW

Collected by: Eladio | Collected date/time: 08/15/24 11:20 | Received date/time: 08/16/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2345259	1	08/19/24 12:24	08/20/24 12:44	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2348485	1	08/23/24 08:56	09/01/24 16:34	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2348485	5	08/23/24 08:56	09/01/24 21:54	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2348832	1	08/23/24 04:28	08/23/24 04:28	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2348923	1	08/23/24 14:05	08/24/24 02:58	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2346255	1	08/20/24 08:00	08/22/24 22:33	ALM	Mt. Juliet, TN

MW-3 L1768582-02 GW

Collected by: Eladio | Collected date/time: 08/15/24 11:47 | Received date/time: 08/16/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2345259	1	08/19/24 12:24	08/20/24 12:47	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2348485	1	08/23/24 08:56	09/01/24 16:37	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2348485	5	08/23/24 08:56	09/01/24 21:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2348832	1	08/23/24 04:47	08/23/24 04:47	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2348923	1	08/23/24 14:05	08/24/24 03:18	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2346255	1	08/20/24 08:00	08/20/24 21:33	ALM	Mt. Juliet, TN

MW-2 L1768582-03 GW

Collected by: Eladio | Collected date/time: 08/15/24 12:10 | Received date/time: 08/16/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2345259	1	08/19/24 12:24	08/20/24 12:49	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2348485	1	08/23/24 08:56	09/01/24 16:50	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2348485	5	08/23/24 08:56	09/01/24 22:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2348832	1	08/23/24 05:06	08/23/24 05:06	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2348923	1	08/23/24 14:05	08/24/24 03:38	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2346255	1	08/20/24 08:00	08/28/24 12:07	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2346255	5	08/20/24 08:00	08/22/24 23:16	DSH	Mt. Juliet, TN

DRAFT

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Andi R Jones
Project Manager

Sample Delivery Group (SDG) Narrative

Analysis was filtered in the laboratory.

Lab Sample ID	Project Sample ID	Method
L1768582-01	MW-1	6020, 7470A
L1768582-02	MW-3	6020, 7470A
L1768582-03	MW-2	6020, 7470A

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1768582-01	MW-1	3511/8015

DRAFT

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	ND		0.000200	1	08/20/2024 12:44	WG2345259

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	ND		0.00400	1	09/01/2024 16:34	WG2348485
Arsenic,Dissolved	1.58		0.00200	1	09/01/2024 16:34	WG2348485
Barium,Dissolved	0.0432		0.00200	1	09/01/2024 16:34	WG2348485
Beryllium,Dissolved	ND		0.00200	1	09/01/2024 16:34	WG2348485
Cadmium,Dissolved	ND		0.00100	1	09/01/2024 16:34	WG2348485
Chromium,Dissolved	ND		0.0100	5	09/01/2024 21:54	WG2348485
Copper,Dissolved	0.00968		0.00500	1	09/01/2024 16:34	WG2348485
Cobalt,Dissolved	0.00984		0.00200	1	09/01/2024 16:34	WG2348485
Lead,Dissolved	ND		0.00200	1	09/01/2024 16:34	WG2348485
Molybdenum,Dissolved	0.541		0.00500	1	09/01/2024 16:34	WG2348485
Nickel,Dissolved	0.00879		0.00200	1	09/01/2024 16:34	WG2348485
Selenium,Dissolved	0.00754		0.00200	1	09/01/2024 16:34	WG2348485
Silver,Dissolved	ND		0.00200	1	09/01/2024 16:34	WG2348485
Thallium,Dissolved	ND		0.00200	1	09/01/2024 16:34	WG2348485
Vanadium,Dissolved	0.0257		0.00500	1	09/01/2024 16:34	WG2348485
Zinc,Dissolved	ND		0.0250	1	09/01/2024 16:34	WG2348485

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	08/23/2024 04:28	WG2348832
Acrolein	ND		0.0500	1	08/23/2024 04:28	WG2348832
Acrylonitrile	ND		0.0100	1	08/23/2024 04:28	WG2348832
Benzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
Bromobenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
Bromodichloromethane	ND		0.00100	1	08/23/2024 04:28	WG2348832
Bromoform	ND		0.00100	1	08/23/2024 04:28	WG2348832
Bromomethane	ND		0.00500	1	08/23/2024 04:28	WG2348832
n-Butylbenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
sec-Butylbenzene	0.00134		0.00100	1	08/23/2024 04:28	WG2348832
tert-Butylbenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
Carbon tetrachloride	ND		0.00100	1	08/23/2024 04:28	WG2348832
Chlorobenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
Chlorodibromomethane	ND		0.00100	1	08/23/2024 04:28	WG2348832
Chloroethane	ND		0.00500	1	08/23/2024 04:28	WG2348832
Chloroform	ND		0.00500	1	08/23/2024 04:28	WG2348832
Chloromethane	ND		0.00250	1	08/23/2024 04:28	WG2348832
2-Chlorotoluene	ND		0.00100	1	08/23/2024 04:28	WG2348832
4-Chlorotoluene	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	08/23/2024 04:28	WG2348832
1,2-Dibromoethane	ND		0.00100	1	08/23/2024 04:28	WG2348832
Dibromomethane	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,2-Dichlorobenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,3-Dichlorobenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,4-Dichlorobenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
Dichlorodifluoromethane	ND		0.00500	1	08/23/2024 04:28	WG2348832
1,1-Dichloroethane	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,2-Dichloroethane	0.0443		0.00100	1	08/23/2024 04:28	WG2348832
1,1-Dichloroethene	ND		0.00100	1	08/23/2024 04:28	WG2348832
cis-1,2-Dichloroethene	ND		0.00100	1	08/23/2024 04:28	WG2348832

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,2-Dichloropropane	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,1-Dichloropropene	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,3-Dichloropropane	ND		0.00100	1	08/23/2024 04:28	WG2348832
cis-1,3-Dichloropropene	ND		0.00100	1	08/23/2024 04:28	WG2348832
trans-1,3-Dichloropropene	ND		0.00100	1	08/23/2024 04:28	WG2348832
2,2-Dichloropropane	ND		0.00100	1	08/23/2024 04:28	WG2348832
Di-isopropyl ether	0.00558		0.00100	1	08/23/2024 04:28	WG2348832
Ethylbenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
Hexachloro-1,3-butadiene	ND		0.00100	1	08/23/2024 04:28	WG2348832
Isopropylbenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
p-Isopropyltoluene	ND		0.00100	1	08/23/2024 04:28	WG2348832
2-Butanone (MEK)	ND		0.0100	1	08/23/2024 04:28	WG2348832
Methylene Chloride	ND		0.00500	1	08/23/2024 04:28	WG2348832
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	08/23/2024 04:28	WG2348832
Methyl tert-butyl ether	ND		0.00100	1	08/23/2024 04:28	WG2348832
Naphthalene	ND		0.00500	1	08/23/2024 04:28	WG2348832
n-Propylbenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
Styrene	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,1,1,2-Tetrachloroethane	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,1,2,2-Tetrachloroethane	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	08/23/2024 04:28	WG2348832
Tetrachloroethene	ND		0.00100	1	08/23/2024 04:28	WG2348832
Toluene	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,2,3-Trichlorobenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,2,4-Trichlorobenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,1,1-Trichloroethane	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,1,2-Trichloroethane	ND		0.00100	1	08/23/2024 04:28	WG2348832
Trichloroethene	ND		0.00100	1	08/23/2024 04:28	WG2348832
Trichlorofluoromethane	ND		0.00500	1	08/23/2024 04:28	WG2348832
1,2,3-Trichloropropane	ND		0.00250	1	08/23/2024 04:28	WG2348832
1,2,4-Trimethylbenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,2,3-Trimethylbenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
1,3,5-Trimethylbenzene	ND		0.00100	1	08/23/2024 04:28	WG2348832
Vinyl chloride	ND		0.00100	1	08/23/2024 04:28	WG2348832
Xylenes, Total	ND		0.00300	1	08/23/2024 04:28	WG2348832
(S) Toluene-d8	*102*		*80.0-120*		*08/23/2024 04:28*	WG2348832
(S) 4-Bromofluorobenzene	*107*		*77.0-126*		*08/23/2024 04:28*	WG2348832
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*08/23/2024 04:28*	WG2348832

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	0.716		0.100	1	08/24/2024 02:58	WG2348923
C22-C32 Hydrocarbons	0.236		0.100	1	08/24/2024 02:58	WG2348923
C32-C40 Hydrocarbons	0.103		0.100	1	08/24/2024 02:58	WG2348923
(S) o-Terphenyl	*42.3*	J2	*52.0-156*		*08/24/2024 02:58*	WG2348923

Sample Narrative:

L1768582-01 WG2348923: Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Acenaphthene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Acenaphthylene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Anthracene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Benzidine	ND	J4	0.0100	1	08/22/2024 22:33	WG2346255
Benzo(a)anthracene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Benzo(b)fluoranthene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Benzo(k)fluoranthene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Benzo(g,h,i)perylene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Benzo(a)pyrene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Bis(2-chlorethoxy)methane	ND		0.0100	1	08/22/2024 22:33	WG2346255
Bis(2-chloroethyl)ether	ND		0.0100	1	08/22/2024 22:33	WG2346255
2,2-Oxybis(1-Chloropropane)	ND		0.0100	1	08/22/2024 22:33	WG2346255
4-Bromophenyl-phenylether	ND		0.0100	1	08/22/2024 22:33	WG2346255
2-Chloronaphthalene	ND		0.00100	1	08/22/2024 22:33	WG2346255
4-Chlorophenyl-phenylether	ND		0.0100	1	08/22/2024 22:33	WG2346255
Chrysene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Dibenz(a,h)anthracene	ND		0.00100	1	08/22/2024 22:33	WG2346255
3,3-Dichlorobenzidine	ND		0.0100	1	08/22/2024 22:33	WG2346255
2,4-Dinitrotoluene	ND		0.0100	1	08/22/2024 22:33	WG2346255
2,6-Dinitrotoluene	ND		0.0100	1	08/22/2024 22:33	WG2346255
Fluoranthene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Fluorene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Hexachlorobenzene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Hexachloro-1,3-butadiene	ND		0.0100	1	08/22/2024 22:33	WG2346255
Hexachlorocyclopentadiene	ND		0.0100	1	08/22/2024 22:33	WG2346255
Hexachloroethane	ND		0.0100	1	08/22/2024 22:33	WG2346255
Indeno(1,2,3-cd)pyrene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Isophorone	ND		0.0100	1	08/22/2024 22:33	WG2346255
Naphthalene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Nitrobenzene	ND		0.0100	1	08/22/2024 22:33	WG2346255
n-Nitrosodimethylamine	ND		0.0100	1	08/22/2024 22:33	WG2346255
n-Nitrosodiphenylamine	ND		0.0100	1	08/22/2024 22:33	WG2346255
n-Nitrosodi-n-propylamine	ND		0.0100	1	08/22/2024 22:33	WG2346255
Phenanthrene	ND		0.00100	1	08/22/2024 22:33	WG2346255
Benzylbutyl phthalate	ND		0.00300	1	08/22/2024 22:33	WG2346255
Bis(2-ethylhexyl)phthalate	ND		0.00300	1	08/22/2024 22:33	WG2346255
Di-n-butyl phthalate	ND		0.00300	1	08/22/2024 22:33	WG2346255
Diethyl phthalate	ND		0.00300	1	08/22/2024 22:33	WG2346255
Dimethyl phthalate	ND		0.00300	1	08/22/2024 22:33	WG2346255
Di-n-octyl phthalate	ND		0.00300	1	08/22/2024 22:33	WG2346255
Pyrene	ND	J4	0.00100	1	08/22/2024 22:33	WG2346255
1,2,4-Trichlorobenzene	ND		0.0100	1	08/22/2024 22:33	WG2346255
4-Chloro-3-methylphenol	ND		0.0100	1	08/22/2024 22:33	WG2346255
2-Chlorophenol	ND		0.0100	1	08/22/2024 22:33	WG2346255
2,4-Dichlorophenol	ND		0.0100	1	08/22/2024 22:33	WG2346255
2,4-Dimethylphenol	ND		0.0100	1	08/22/2024 22:33	WG2346255
4,6-Dinitro-2-methylphenol	ND		0.0100	1	08/22/2024 22:33	WG2346255
2,4-Dinitrophenol	ND		0.0100	1	08/22/2024 22:33	WG2346255
2-Nitrophenol	ND		0.0100	1	08/22/2024 22:33	WG2346255
4-Nitrophenol	ND		0.0100	1	08/22/2024 22:33	WG2346255
Pentachlorophenol	ND		0.0100	1	08/22/2024 22:33	WG2346255
Phenol	ND		0.0100	1	08/22/2024 22:33	WG2346255
2,4,6-Trichlorophenol	ND		0.0100	1	08/22/2024 22:33	WG2346255
(S) 2-Fluorophenol	*39.8*		*10.0-120*		*08/22/2024 22:33*	WG2346255
(S) Phenol-d5	*28.3*		*10.0-120*		*08/22/2024 22:33*	WG2346255
(S) Nitrobenzene-d5	*70.4*		*10.0-127*		*08/22/2024 22:33*	WG2346255

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*64.0*		*10.0-130*		*08/22/2024 22:33*	WG2346255
(S) 2,4,6-Tribromophenol	*74.2*		*10.0-155*		*08/22/2024 22:33*	WG2346255
(S) p-Terphenyl-d14	*68.6*		*10.0-128*		*08/22/2024 22:33*	WG2346255

DRAFT

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	ND		0.000200	1	08/20/2024 12:47	WG2345259

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	ND		0.00400	1	09/01/2024 16:37	WG2348485
Arsenic,Dissolved	1.02		0.00200	1	09/01/2024 16:37	WG2348485
Barium,Dissolved	0.0244		0.00200	1	09/01/2024 16:37	WG2348485
Beryllium,Dissolved	ND		0.00200	1	09/01/2024 16:37	WG2348485
Cadmium,Dissolved	ND		0.00100	1	09/01/2024 16:37	WG2348485
Chromium,Dissolved	ND		0.0100	5	09/01/2024 21:58	WG2348485
Copper,Dissolved	ND		0.00500	1	09/01/2024 16:37	WG2348485
Cobalt,Dissolved	0.00880		0.00200	1	09/01/2024 16:37	WG2348485
Lead,Dissolved	ND		0.00200	1	09/01/2024 16:37	WG2348485
Molybdenum,Dissolved	0.880		0.00500	1	09/01/2024 16:37	WG2348485
Nickel,Dissolved	0.00900		0.00200	1	09/01/2024 16:37	WG2348485
Selenium,Dissolved	0.0813		0.00200	1	09/01/2024 16:37	WG2348485
Silver,Dissolved	ND		0.00200	1	09/01/2024 16:37	WG2348485
Thallium,Dissolved	ND		0.00200	1	09/01/2024 16:37	WG2348485
Vanadium,Dissolved	0.163		0.00500	1	09/01/2024 16:37	WG2348485
Zinc,Dissolved	ND		0.0250	1	09/01/2024 16:37	WG2348485

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	08/23/2024 04:47	WG2348832
Acrolein	ND		0.0500	1	08/23/2024 04:47	WG2348832
Acrylonitrile	ND		0.0100	1	08/23/2024 04:47	WG2348832
Benzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
Bromobenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
Bromodichloromethane	ND		0.00100	1	08/23/2024 04:47	WG2348832
Bromoform	ND		0.00100	1	08/23/2024 04:47	WG2348832
Bromomethane	ND		0.00500	1	08/23/2024 04:47	WG2348832
n-Butylbenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
sec-Butylbenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
tert-Butylbenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
Carbon tetrachloride	ND		0.00100	1	08/23/2024 04:47	WG2348832
Chlorobenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
Chlorodibromomethane	ND		0.00100	1	08/23/2024 04:47	WG2348832
Chloroethane	ND		0.00500	1	08/23/2024 04:47	WG2348832
Chloroform	ND		0.00500	1	08/23/2024 04:47	WG2348832
Chloromethane	ND		0.00250	1	08/23/2024 04:47	WG2348832
2-Chlorotoluene	ND		0.00100	1	08/23/2024 04:47	WG2348832
4-Chlorotoluene	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	08/23/2024 04:47	WG2348832
1,2-Dibromoethane	ND		0.00100	1	08/23/2024 04:47	WG2348832
Dibromomethane	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,2-Dichlorobenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,3-Dichlorobenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,4-Dichlorobenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
Dichlorodifluoromethane	ND		0.00500	1	08/23/2024 04:47	WG2348832
1,1-Dichloroethane	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,2-Dichloroethane	0.00157		0.00100	1	08/23/2024 04:47	WG2348832
1,1-Dichloroethene	ND		0.00100	1	08/23/2024 04:47	WG2348832
cis-1,2-Dichloroethene	ND		0.00100	1	08/23/2024 04:47	WG2348832

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,2-Dichloropropane	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,1-Dichloropropene	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,3-Dichloropropane	ND		0.00100	1	08/23/2024 04:47	WG2348832
cis-1,3-Dichloropropene	ND		0.00100	1	08/23/2024 04:47	WG2348832
trans-1,3-Dichloropropene	ND		0.00100	1	08/23/2024 04:47	WG2348832
2,2-Dichloropropane	ND		0.00100	1	08/23/2024 04:47	WG2348832
Di-isopropyl ether	ND		0.00100	1	08/23/2024 04:47	WG2348832
Ethylbenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
Hexachloro-1,3-butadiene	ND		0.00100	1	08/23/2024 04:47	WG2348832
Isopropylbenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
p-Isopropyltoluene	ND		0.00100	1	08/23/2024 04:47	WG2348832
2-Butanone (MEK)	ND		0.0100	1	08/23/2024 04:47	WG2348832
Methylene Chloride	ND		0.00500	1	08/23/2024 04:47	WG2348832
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	08/23/2024 04:47	WG2348832
Methyl tert-butyl ether	ND		0.00100	1	08/23/2024 04:47	WG2348832
Naphthalene	ND		0.00500	1	08/23/2024 04:47	WG2348832
n-Propylbenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
Styrene	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,1,1,2-Tetrachloroethane	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,1,2,2-Tetrachloroethane	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	08/23/2024 04:47	WG2348832
Tetrachloroethene	ND		0.00100	1	08/23/2024 04:47	WG2348832
Toluene	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,2,3-Trichlorobenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,2,4-Trichlorobenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,1,1-Trichloroethane	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,1,2-Trichloroethane	ND		0.00100	1	08/23/2024 04:47	WG2348832
Trichloroethene	ND		0.00100	1	08/23/2024 04:47	WG2348832
Trichlorofluoromethane	ND		0.00500	1	08/23/2024 04:47	WG2348832
1,2,3-Trichloropropane	ND		0.00250	1	08/23/2024 04:47	WG2348832
1,2,4-Trimethylbenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,2,3-Trimethylbenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
1,3,5-Trimethylbenzene	ND		0.00100	1	08/23/2024 04:47	WG2348832
Vinyl chloride	ND		0.00100	1	08/23/2024 04:47	WG2348832
Xylenes, Total	ND		0.00300	1	08/23/2024 04:47	WG2348832
(S) Toluene-d8	*106*		*80.0-120*		*08/23/2024 04:47*	WG2348832
(S) 4-Bromofluorobenzene	*108*		*77.0-126*		*08/23/2024 04:47*	WG2348832
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/23/2024 04:47*	WG2348832

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		0.100	1	08/24/2024 03:18	WG2348923
C22-C32 Hydrocarbons	ND		0.100	1	08/24/2024 03:18	WG2348923
C32-C40 Hydrocarbons	ND		0.100	1	08/24/2024 03:18	WG2348923
(S) o-Terphenyl	*64.7*		*52.0-156*		*08/24/2024 03:18*	WG2348923

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Acenaphthylene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Anthracene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Benzidine	ND	J4	0.0100	1	08/20/2024 21:33	WG2346255

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Benzo(b)fluoranthene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Benzo(k)fluoranthene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Benzo(g,h,i)perylene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Benzo(a)pyrene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Bis(2-chlorethoxy)methane	ND		0.0100	1	08/20/2024 21:33	WG2346255
Bis(2-chloroethyl)ether	ND		0.0100	1	08/20/2024 21:33	WG2346255
2,2-Oxybis(1-Chloropropane)	ND		0.0100	1	08/20/2024 21:33	WG2346255
4-Bromophenyl-phenylether	ND		0.0100	1	08/20/2024 21:33	WG2346255
2-Chloronaphthalene	ND		0.00100	1	08/20/2024 21:33	WG2346255
4-Chlorophenyl-phenylether	ND		0.0100	1	08/20/2024 21:33	WG2346255
Chrysene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Dibenz(a,h)anthracene	ND		0.00100	1	08/20/2024 21:33	WG2346255
3,3-Dichlorobenzidine	ND		0.0100	1	08/20/2024 21:33	WG2346255
2,4-Dinitrotoluene	ND		0.0100	1	08/20/2024 21:33	WG2346255
2,6-Dinitrotoluene	ND		0.0100	1	08/20/2024 21:33	WG2346255
Fluoranthene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Fluorene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Hexachlorobenzene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Hexachloro-1,3-butadiene	ND		0.0100	1	08/20/2024 21:33	WG2346255
Hexachlorocyclopentadiene	ND		0.0100	1	08/20/2024 21:33	WG2346255
Hexachloroethane	ND		0.0100	1	08/20/2024 21:33	WG2346255
Indeno(1,2,3-cd)pyrene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Isophorone	ND		0.0100	1	08/20/2024 21:33	WG2346255
Naphthalene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Nitrobenzene	ND		0.0100	1	08/20/2024 21:33	WG2346255
n-Nitrosodimethylamine	ND		0.0100	1	08/20/2024 21:33	WG2346255
n-Nitrosodiphenylamine	ND		0.0100	1	08/20/2024 21:33	WG2346255
n-Nitrosodi-n-propylamine	ND		0.0100	1	08/20/2024 21:33	WG2346255
Phenanthrene	ND		0.00100	1	08/20/2024 21:33	WG2346255
Benzylbutyl phthalate	ND		0.00300	1	08/20/2024 21:33	WG2346255
Bis(2-ethylhexyl)phthalate	ND		0.00300	1	08/20/2024 21:33	WG2346255
Di-n-butyl phthalate	ND		0.00300	1	08/20/2024 21:33	WG2346255
Diethyl phthalate	ND		0.00300	1	08/20/2024 21:33	WG2346255
Dimethyl phthalate	ND		0.00300	1	08/20/2024 21:33	WG2346255
Di-n-octyl phthalate	ND		0.00300	1	08/20/2024 21:33	WG2346255
Pyrene	ND	J4	0.00100	1	08/20/2024 21:33	WG2346255
1,2,4-Trichlorobenzene	ND		0.0100	1	08/20/2024 21:33	WG2346255
4-Chloro-3-methylphenol	ND		0.0100	1	08/20/2024 21:33	WG2346255
2-Chlorophenol	ND		0.0100	1	08/20/2024 21:33	WG2346255
2,4-Dichlorophenol	ND		0.0100	1	08/20/2024 21:33	WG2346255
2,4-Dimethylphenol	ND		0.0100	1	08/20/2024 21:33	WG2346255
4,6-Dinitro-2-methylphenol	ND		0.0100	1	08/20/2024 21:33	WG2346255
2,4-Dinitrophenol	ND		0.0100	1	08/20/2024 21:33	WG2346255
2-Nitrophenol	ND		0.0100	1	08/20/2024 21:33	WG2346255
4-Nitrophenol	ND		0.0100	1	08/20/2024 21:33	WG2346255
Pentachlorophenol	ND		0.0100	1	08/20/2024 21:33	WG2346255
Phenol	ND		0.0100	1	08/20/2024 21:33	WG2346255
2,4,6-Trichlorophenol	ND		0.0100	1	08/20/2024 21:33	WG2346255
(S) 2-Fluorophenol	*37.2*		*10.0-120*		*08/20/2024 21:33*	WG2346255
(S) Phenol-d5	*23.9*		*10.0-120*		*08/20/2024 21:33*	WG2346255
(S) Nitrobenzene-d5	*56.7*		*10.0-127*		*08/20/2024 21:33*	WG2346255
(S) 2-Fluorobiphenyl	*58.8*		*10.0-130*		*08/20/2024 21:33*	WG2346255
(S) 2,4,6-Tribromophenol	*61.5*		*10.0-155*		*08/20/2024 21:33*	WG2346255
(S) p-Terphenyl-d14	*58.0*		*10.0-128*		*08/20/2024 21:33*	WG2346255

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	ND		0.000200	1	08/20/2024 12:49	WG2345259

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	ND		0.00400	1	09/01/2024 16:50	WG2348485
Arsenic,Dissolved	0.141		0.00200	1	09/01/2024 16:50	WG2348485
Barium,Dissolved	0.0308		0.00200	1	09/01/2024 16:50	WG2348485
Beryllium,Dissolved	ND		0.00200	1	09/01/2024 16:50	WG2348485
Cadmium,Dissolved	ND		0.00100	1	09/01/2024 16:50	WG2348485
Chromium,Dissolved	ND		0.0100	5	09/01/2024 22:01	WG2348485
Copper,Dissolved	ND		0.00500	1	09/01/2024 16:50	WG2348485
Cobalt,Dissolved	ND		0.00200	1	09/01/2024 16:50	WG2348485
Lead,Dissolved	ND		0.00200	1	09/01/2024 16:50	WG2348485
Molybdenum,Dissolved	1.72		0.00500	1	09/01/2024 16:50	WG2348485
Nickel,Dissolved	0.00327		0.00200	1	09/01/2024 16:50	WG2348485
Selenium,Dissolved	0.0315		0.00200	1	09/01/2024 16:50	WG2348485
Silver,Dissolved	ND		0.00200	1	09/01/2024 16:50	WG2348485
Thallium,Dissolved	ND		0.00200	1	09/01/2024 16:50	WG2348485
Vanadium,Dissolved	0.0174		0.00500	1	09/01/2024 16:50	WG2348485
Zinc,Dissolved	ND		0.0250	1	09/01/2024 16:50	WG2348485

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	08/23/2024 05:06	WG2348832
Acrolein	ND		0.0500	1	08/23/2024 05:06	WG2348832
Acrylonitrile	ND		0.0100	1	08/23/2024 05:06	WG2348832
Benzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
Bromobenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
Bromodichloromethane	ND		0.00100	1	08/23/2024 05:06	WG2348832
Bromoform	ND		0.00100	1	08/23/2024 05:06	WG2348832
Bromomethane	ND		0.00500	1	08/23/2024 05:06	WG2348832
n-Butylbenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
sec-Butylbenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
tert-Butylbenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
Carbon tetrachloride	ND		0.00100	1	08/23/2024 05:06	WG2348832
Chlorobenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
Chlorodibromomethane	ND		0.00100	1	08/23/2024 05:06	WG2348832
Chloroethane	ND		0.00500	1	08/23/2024 05:06	WG2348832
Chloroform	ND		0.00500	1	08/23/2024 05:06	WG2348832
Chloromethane	ND		0.00250	1	08/23/2024 05:06	WG2348832
2-Chlorotoluene	ND		0.00100	1	08/23/2024 05:06	WG2348832
4-Chlorotoluene	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	08/23/2024 05:06	WG2348832
1,2-Dibromoethane	ND		0.00100	1	08/23/2024 05:06	WG2348832
Dibromomethane	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,2-Dichlorobenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,3-Dichlorobenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,4-Dichlorobenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
Dichlorodifluoromethane	ND		0.00500	1	08/23/2024 05:06	WG2348832
1,1-Dichloroethane	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,2-Dichloroethane	0.00740		0.00100	1	08/23/2024 05:06	WG2348832
1,1-Dichloroethene	ND		0.00100	1	08/23/2024 05:06	WG2348832
cis-1,2-Dichloroethene	ND		0.00100	1	08/23/2024 05:06	WG2348832

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,2-Dichloropropane	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,1-Dichloropropene	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,3-Dichloropropane	ND		0.00100	1	08/23/2024 05:06	WG2348832
cis-1,3-Dichloropropene	ND		0.00100	1	08/23/2024 05:06	WG2348832
trans-1,3-Dichloropropene	ND		0.00100	1	08/23/2024 05:06	WG2348832
2,2-Dichloropropane	ND		0.00100	1	08/23/2024 05:06	WG2348832
Di-isopropyl ether	0.101		0.00100	1	08/23/2024 05:06	WG2348832
Ethylbenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
Hexachloro-1,3-butadiene	ND		0.00100	1	08/23/2024 05:06	WG2348832
Isopropylbenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
p-Isopropyltoluene	ND		0.00100	1	08/23/2024 05:06	WG2348832
2-Butanone (MEK)	ND		0.0100	1	08/23/2024 05:06	WG2348832
Methylene Chloride	ND		0.00500	1	08/23/2024 05:06	WG2348832
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	08/23/2024 05:06	WG2348832
Methyl tert-butyl ether	ND		0.00100	1	08/23/2024 05:06	WG2348832
Naphthalene	ND		0.00500	1	08/23/2024 05:06	WG2348832
n-Propylbenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
Styrene	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,1,1,2-Tetrachloroethane	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,1,2,2-Tetrachloroethane	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	08/23/2024 05:06	WG2348832
Tetrachloroethene	ND		0.00100	1	08/23/2024 05:06	WG2348832
Toluene	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,2,3-Trichlorobenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,2,4-Trichlorobenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,1,1-Trichloroethane	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,1,2-Trichloroethane	ND		0.00100	1	08/23/2024 05:06	WG2348832
Trichloroethene	ND		0.00100	1	08/23/2024 05:06	WG2348832
Trichlorofluoromethane	ND		0.00500	1	08/23/2024 05:06	WG2348832
1,2,3-Trichloropropane	ND		0.00250	1	08/23/2024 05:06	WG2348832
1,2,4-Trimethylbenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,2,3-Trimethylbenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
1,3,5-Trimethylbenzene	ND		0.00100	1	08/23/2024 05:06	WG2348832
Vinyl chloride	ND		0.00100	1	08/23/2024 05:06	WG2348832
Xylenes, Total	ND		0.00300	1	08/23/2024 05:06	WG2348832
(S) Toluene-d8	*105*		*80.0-120*		*08/23/2024 05:06*	WG2348832
(S) 4-Bromofluorobenzene	*109*		*77.0-126*		*08/23/2024 05:06*	WG2348832
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*08/23/2024 05:06*	WG2348832

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		0.100	1	08/24/2024 03:38	WG2348923
C22-C32 Hydrocarbons	ND		0.100	1	08/24/2024 03:38	WG2348923
C32-C40 Hydrocarbons	ND		0.100	1	08/24/2024 03:38	WG2348923
(S) o-Terphenyl	*62.6*		*52.0-156*		*08/24/2024 03:38*	WG2348923

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00100	1	08/28/2024 12:07	WG2346255
Acenaphthylene	ND		0.00100	1	08/28/2024 12:07	WG2346255
Anthracene	ND		0.00100	1	08/28/2024 12:07	WG2346255
Benzidine	ND	J4	0.0100	1	08/28/2024 12:07	WG2346255

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	ND		0.00100	1	08/28/2024 12:07	WG2346255
Benzo(b)fluoranthene	ND		0.00500	5	08/22/2024 23:16	WG2346255
Benzo(k)fluoranthene	ND		0.00500	5	08/22/2024 23:16	WG2346255
Benzo(g,h,i)perylene	ND		0.00500	5	08/22/2024 23:16	WG2346255
Benzo(a)pyrene	ND		0.00500	5	08/22/2024 23:16	WG2346255
Bis(2-chlorethoxy)methane	ND		0.0100	1	08/28/2024 12:07	WG2346255
Bis(2-chloroethyl)ether	ND		0.0100	1	08/28/2024 12:07	WG2346255
2,2-Oxybis(1-Chloropropane)	ND		0.0100	1	08/28/2024 12:07	WG2346255
4-Bromophenyl-phenylether	ND		0.0100	1	08/28/2024 12:07	WG2346255
2-Chloronaphthalene	ND		0.00100	1	08/28/2024 12:07	WG2346255
4-Chlorophenyl-phenylether	ND		0.0100	1	08/28/2024 12:07	WG2346255
Chrysene	ND		0.00100	1	08/28/2024 12:07	WG2346255
Dibenz(a,h)anthracene	ND		0.00500	5	08/22/2024 23:16	WG2346255
3,3-Dichlorobenzidine	ND		0.0100	1	08/28/2024 12:07	WG2346255
2,4-Dinitrotoluene	ND		0.0100	1	08/28/2024 12:07	WG2346255
2,6-Dinitrotoluene	ND		0.0100	1	08/28/2024 12:07	WG2346255
Fluoranthene	ND		0.00100	1	08/28/2024 12:07	WG2346255
Fluorene	ND		0.00100	1	08/28/2024 12:07	WG2346255
Hexachlorobenzene	ND		0.00100	1	08/28/2024 12:07	WG2346255
Hexachloro-1,3-butadiene	ND		0.0100	1	08/28/2024 12:07	WG2346255
Hexachlorocyclopentadiene	ND		0.0100	1	08/28/2024 12:07	WG2346255
Hexachloroethane	ND		0.0100	1	08/28/2024 12:07	WG2346255
Indeno(1,2,3-cd)pyrene	ND		0.00500	5	08/22/2024 23:16	WG2346255
Isophorone	ND		0.0100	1	08/28/2024 12:07	WG2346255
Naphthalene	ND		0.00100	1	08/28/2024 12:07	WG2346255
Nitrobenzene	ND		0.0100	1	08/28/2024 12:07	WG2346255
n-Nitrosodimethylamine	ND		0.0100	1	08/28/2024 12:07	WG2346255
n-Nitrosodiphenylamine	ND		0.0100	1	08/28/2024 12:07	WG2346255
n-Nitrosodi-n-propylamine	ND		0.0100	1	08/28/2024 12:07	WG2346255
Phenanthrene	ND		0.00100	1	08/28/2024 12:07	WG2346255
Benzylbutyl phthalate	ND		0.00300	1	08/28/2024 12:07	WG2346255
Bis(2-ethylhexyl)phthalate	ND		0.00300	1	08/28/2024 12:07	WG2346255
Di-n-butyl phthalate	ND		0.00300	1	08/28/2024 12:07	WG2346255
Diethyl phthalate	ND		0.00300	1	08/28/2024 12:07	WG2346255
Dimethyl phthalate	ND		0.00300	1	08/28/2024 12:07	WG2346255
Di-n-octyl phthalate	ND		0.00300	1	08/28/2024 12:07	WG2346255
Pyrene	ND	J4	0.00100	1	08/28/2024 12:07	WG2346255
1,2,4-Trichlorobenzene	ND		0.0100	1	08/28/2024 12:07	WG2346255
4-Chloro-3-methylphenol	ND		0.0100	1	08/28/2024 12:07	WG2346255
2-Chlorophenol	ND		0.0100	1	08/28/2024 12:07	WG2346255
2,4-Dichlorophenol	ND		0.0100	1	08/28/2024 12:07	WG2346255
2,4-Dimethylphenol	ND		0.0100	1	08/28/2024 12:07	WG2346255
4,6-Dinitro-2-methylphenol	ND		0.0100	1	08/28/2024 12:07	WG2346255
2,4-Dinitrophenol	ND		0.0100	1	08/28/2024 12:07	WG2346255
2-Nitrophenol	ND		0.0100	1	08/28/2024 12:07	WG2346255
4-Nitrophenol	ND		0.0100	1	08/28/2024 12:07	WG2346255
Pentachlorophenol	ND		0.0100	1	08/28/2024 12:07	WG2346255
Phenol	ND		0.0100	1	08/28/2024 12:07	WG2346255
2,4,6-Trichlorophenol	ND		0.0100	1	08/28/2024 12:07	WG2346255
(S) 2-Fluorophenol	*0.000*	J2	*10.0-120*		*08/22/2024 23:16*	WG2346255
(S) 2-Fluorophenol	*1.18*	J2	*10.0-120*		*08/28/2024 12:07*	WG2346255
(S) Phenol-d5	*0.386*	J2	*10.0-120*		*08/28/2024 12:07*	WG2346255
(S) Phenol-d5	*0.000*	J2	*10.0-120*		*08/22/2024 23:16*	WG2346255
(S) Nitrobenzene-d5	*78.1*		*10.0-127*		*08/22/2024 23:16*	WG2346255
(S) Nitrobenzene-d5	*58.5*		*10.0-127*		*08/28/2024 12:07*	WG2346255
(S) 2-Fluorobiphenyl	*73.5*		*10.0-130*		*08/22/2024 23:16*	WG2346255

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*64.0*		*10.0-130*		*08/28/2024 12:07*	WG2346255
(S) 2,4,6-Tribromophenol	*0.452*	J2	*10.0-155*		*08/28/2024 12:07*	WG2346255
(S) 2,4,6-Tribromophenol	*0.000*	J2	*10.0-155*		*08/22/2024 23:16*	WG2346255
(S) p-Terphenyl-d14	*68.9*		*10.0-128*		*08/28/2024 12:07*	WG2346255
(S) p-Terphenyl-d14	*78.2*		*10.0-128*		*08/22/2024 23:16*	WG2346255

Sample Narrative:

L1768582-03 WG2346255: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data.

L1768582-03 WG2346255: IS/SURR failed on lower dilution.

DRAFT

QUALITY CONTROL SUMMARY

L1768582-01,02,03

Method Blank (MB)

(MB) R4109217-1 08/20/24 12:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4109217-2 08/20/24 12:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00314	105	80.0-120	

L1768832-34 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768832-34 08/20/24 12:27 • (MS) R4109217-4 08/20/24 12:37 • (MSD) R4109217-5 08/20/24 12:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	ND	0.00320	0.00309	107	103	1	75.0-125			3.37	20

DRAFT

Method Blank (MB)

(MB) R4114486-1 09/01/24 15:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony,Dissolved	U		0.00103	0.00400
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Beryllium,Dissolved	U		0.000190	0.00200
Cadmium,Dissolved	U		0.000150	0.00100
Chromium,Dissolved	U		0.00124	0.00200
Copper,Dissolved	U		0.00151	0.00500
Cobalt,Dissolved	U		0.0000596	0.00200
Lead,Dissolved	U		0.000849	0.00200
Molybdenum,Dissolved	U		0.000348	0.00500
Nickel,Dissolved	U		0.000816	0.00200
Selenium,Dissolved	U		0.000300	0.00200
Silver,Dissolved	U		0.0000700	0.00200
Thallium,Dissolved	U		0.000121	0.00200
Vanadium,Dissolved	U		0.000664	0.00500
Zinc,Dissolved	0.00327	J	0.00302	0.0250

Laboratory Control Sample (LCS)

(LCS) R4114486-2 09/01/24 15:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	0.0500	0.0524	105	80.0-120	
Arsenic,Dissolved	0.0500	0.0502	100	80.0-120	
Barium,Dissolved	0.0500	0.0495	99.1	80.0-120	
Beryllium,Dissolved	0.0500	0.0477	95.5	80.0-120	
Cadmium,Dissolved	0.0500	0.0515	103	80.0-120	
Chromium,Dissolved	0.0500	0.0507	101	80.0-120	
Copper,Dissolved	0.0500	0.0522	104	80.0-120	
Cobalt,Dissolved	0.0500	0.0519	104	80.0-120	
Lead,Dissolved	0.0500	0.0502	100	80.0-120	
Molybdenum,Dissolved	0.0500	0.0506	101	80.0-120	
Nickel,Dissolved	0.0500	0.0514	103	80.0-120	
Selenium,Dissolved	0.0500	0.0482	96.4	80.0-120	
Silver,Dissolved	0.0500	0.0516	103	80.0-120	
Thallium,Dissolved	0.0500	0.0470	94.0	80.0-120	
Vanadium,Dissolved	0.0500	0.0505	101	80.0-120	
Zinc,Dissolved	0.0500	0.0520	104	80.0-120	

L1768173-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768173-01 09/01/24 15:18 • (MS) R4114486-4 09/01/24 15:25 • (MSD) R4114486-5 09/01/24 15:28

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	0.0500	ND	0.0545	0.0549	109	110	1	75.0-125			0.662	20
Arsenic,Dissolved	0.0500	ND	0.0499	0.0510	99.4	102	1	75.0-125			2.14	20
Barium,Dissolved	0.0500	0.0164	0.0658	0.0679	98.6	103	1	75.0-125			3.16	20
Beryllium,Dissolved	0.0500	ND	0.0476	0.0484	95.1	96.7	1	75.0-125			1.66	20
Cadmium,Dissolved	0.0500	ND	0.0509	0.0518	102	104	1	75.0-125			1.70	20
Chromium,Dissolved	0.0500	ND	0.0505	0.0514	101	103	1	75.0-125			1.88	20
Copper,Dissolved	0.0500	ND	0.0503	0.0519	97.3	101	1	75.0-125			3.27	20
Cobalt,Dissolved	0.0500	ND	0.0504	0.0513	101	102	1	75.0-125			1.87	20
Lead,Dissolved	0.0500	ND	0.0524	0.0530	105	106	1	75.0-125			1.16	20
Molybdenum,Dissolved	0.0500	ND	0.0530	0.0540	105	107	1	75.0-125			1.87	20
Nickel,Dissolved	0.0500	ND	0.0498	0.0511	97.9	100	1	75.0-125			2.57	20
Selenium,Dissolved	0.0500	0.00541	0.0556	0.0563	100	102	1	75.0-125			1.24	20
Silver,Dissolved	0.0500	ND	0.0518	0.0526	104	105	1	75.0-125			1.51	20
Thallium,Dissolved	0.0500	ND	0.0493	0.0494	98.5	98.8	1	75.0-125			0.346	20
Vanadium,Dissolved	0.0500	ND	0.0517	0.0527	101	103	1	75.0-125			2.05	20
Zinc,Dissolved	0.0500	ND	0.0555	0.0554	96.2	95.8	1	75.0-125			0.346	20

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Method Blank (MB)

(MB) R4110658-3 08/22/24 22:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100

Method Blank (MB)

(MB) R4110658-3 08/22/24 22:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*113*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4110658-1 08/22/24 21:34 • (LCSD) R4110658-2 08/22/24 21:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0247	0.0231	98.8	92.4	19.0-160			6.69	27
Acrolein	0.0250	0.0241	0.0243	96.4	97.2	10.0-160			0.826	26
Acrylonitrile	0.0250	0.0280	0.0268	112	107	55.0-149			4.38	20
Benzene	0.00500	0.00445	0.00452	89.0	90.4	70.0-123			1.56	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4110658-1 08/22/24 21:34 • (LCSD) R4110658-2 08/22/24 21:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	0.00500	0.00416	0.00411	83.2	82.2	73.0-121			1.21	20
Bromodichloromethane	0.00500	0.00492	0.00489	98.4	97.8	75.0-120			0.612	20
Bromoform	0.00500	0.00557	0.00503	111	101	68.0-132			10.2	20
Bromomethane	0.00500	0.00555	0.00538	111	108	10.0-160			3.11	25
n-Butylbenzene	0.00500	0.00448	0.00460	89.6	92.0	73.0-125			2.64	20
sec-Butylbenzene	0.00500	0.00449	0.00463	89.8	92.6	75.0-125			3.07	20
tert-Butylbenzene	0.00500	0.00409	0.00412	81.8	82.4	76.0-124			0.731	20
Carbon tetrachloride	0.00500	0.00549	0.00545	110	109	68.0-126			0.731	20
Chlorobenzene	0.00500	0.00473	0.00466	94.6	93.2	80.0-121			1.49	20
Chlorodibromomethane	0.00500	0.00480	0.00462	96.0	92.4	77.0-125			3.82	20
Chloroethane	0.00500	0.00453	0.00456	90.6	91.2	47.0-150			0.660	20
Chloroform	0.00500	0.00511	0.00509	102	102	73.0-120			0.392	20
Chloromethane	0.00500	0.00400	0.00442	80.0	88.4	41.0-142			9.98	20
2-Chlorotoluene	0.00500	0.00451	0.00458	90.2	91.6	76.0-123			1.54	20
4-Chlorotoluene	0.00500	0.00429	0.00429	85.8	85.8	75.0-122			0.000	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00508	0.00500	102	100	58.0-134			1.59	20
1,2-Dibromoethane	0.00500	0.00482	0.00444	96.4	88.8	80.0-122			8.21	20
Dibromomethane	0.00500	0.00450	0.00441	90.0	88.2	80.0-120			2.02	20
1,2-Dichlorobenzene	0.00500	0.00479	0.00481	95.8	96.2	79.0-121			0.417	20
1,3-Dichlorobenzene	0.00500	0.00485	0.00486	97.0	97.2	79.0-120			0.206	20
1,4-Dichlorobenzene	0.00500	0.00469	0.00463	93.8	92.6	79.0-120			1.29	20
Dichlorodifluoromethane	0.00500	0.00611	0.00528	122	106	51.0-149			14.6	20
1,1-Dichloroethane	0.00500	0.00463	0.00480	92.6	96.0	70.0-126			3.61	20
1,2-Dichloroethane	0.00500	0.00455	0.00436	91.0	87.2	70.0-128			4.26	20
1,1-Dichloroethene	0.00500	0.00470	0.00476	94.0	95.2	71.0-124			1.27	20
cis-1,2-Dichloroethene	0.00500	0.00440	0.00452	88.0	90.4	73.0-120			2.69	20
trans-1,2-Dichloroethene	0.00500	0.00424	0.00413	84.8	82.6	73.0-120			2.63	20
1,2-Dichloropropane	0.00500	0.00470	0.00469	94.0	93.8	77.0-125			0.213	20
1,1-Dichloropropene	0.00500	0.00414	0.00432	82.8	86.4	74.0-126			4.26	20
1,3-Dichloropropane	0.00500	0.00482	0.00441	96.4	88.2	80.0-120			8.88	20
cis-1,3-Dichloropropene	0.00500	0.00418	0.00408	83.6	81.6	80.0-123			2.42	20
trans-1,3-Dichloropropene	0.00500	0.00443	0.00434	88.6	86.8	78.0-124			2.05	20
2,2-Dichloropropane	0.00500	0.00575	0.00551	115	110	58.0-130			4.26	20
Di-isopropyl ether	0.00500	0.00490	0.00480	98.0	96.0	58.0-138			2.06	20
Ethylbenzene	0.00500	0.00492	0.00490	98.4	98.0	79.0-123			0.407	20
Hexachloro-1,3-butadiene	0.00500	0.00471	0.00467	94.2	93.4	54.0-138			0.853	20
Isopropylbenzene	0.00500	0.00512	0.00515	102	103	76.0-127			0.584	20
p-Isopropyltoluene	0.00500	0.00475	0.00489	95.0	97.8	76.0-125			2.90	20
2-Butanone (MEK)	0.0250	0.0269	0.0257	108	103	44.0-160			4.56	20
Methylene Chloride	0.00500	0.00500	0.00508	100	102	67.0-120			1.59	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4110658-1 08/22/24 21:34 • (LCSD) R4110658-2 08/22/24 21:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.0250	0.0264	0.0249	106	99.6	68.0-142			5.85	20
Methyl tert-butyl ether	0.00500	0.00546	0.00526	109	105	68.0-125			3.73	20
Naphthalene	0.00500	0.00509	0.00498	102	99.6	54.0-135			2.18	20
n-Propylbenzene	0.00500	0.00458	0.00453	91.6	90.6	77.0-124			1.10	20
Styrene	0.00500	0.00514	0.00514	103	103	73.0-130			0.000	20
1,1,1,2-Tetrachloroethane	0.00500	0.00535	0.00528	107	106	75.0-125			1.32	20
1,1,2,2-Tetrachloroethane	0.00500	0.00508	0.00504	102	101	65.0-130			0.791	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00557	0.00546	111	109	69.0-132			1.99	20
Tetrachloroethene	0.00500	0.00475	0.00483	95.0	96.6	72.0-132			1.67	20
Toluene	0.00500	0.00442	0.00448	88.4	89.6	79.0-120			1.35	20
1,2,3-Trichlorobenzene	0.00500	0.00499	0.00486	99.8	97.2	50.0-138			2.64	20
1,2,4-Trichlorobenzene	0.00500	0.00500	0.00489	100	97.8	57.0-137			2.22	20
1,1,1-Trichloroethane	0.00500	0.00591	0.00571	118	114	73.0-124			3.44	20
1,1,2-Trichloroethane	0.00500	0.00555	0.00511	111	102	80.0-120			8.26	20
Trichloroethene	0.00500	0.00437	0.00419	87.4	83.8	78.0-124			4.21	20
Trichlorofluoromethane	0.00500	0.00544	0.00528	109	106	59.0-147			2.99	20
1,2,3-Trichloropropane	0.00500	0.00483	0.00463	96.6	92.6	73.0-130			4.23	20
1,2,4-Trimethylbenzene	0.00500	0.00446	0.00446	89.2	89.2	76.0-121			0.000	20
1,2,3-Trimethylbenzene	0.00500	0.00443	0.00441	88.6	88.2	77.0-120			0.452	20
1,3,5-Trimethylbenzene	0.00500	0.00457	0.00469	91.4	93.8	76.0-122			2.59	20
Vinyl chloride	0.00500	0.00520	0.00510	104	102	67.0-131			1.94	20
Xylenes, Total	0.0150	0.0154	0.0152	103	101	79.0-123			1.31	20
(S) Toluene-d8				*102*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*110*	*108*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*99.1*	*99.4*	*70.0-130*				

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Method Blank (MB)

(MB) R4111216-3 08/24/24 05:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C12-C22 Hydrocarbons	U		0.0330	0.100
C22-C32 Hydrocarbons	U		0.0330	0.100
C32-C40 Hydrocarbons	U		0.0330	0.100
(S) o-Terphenyl	*133*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4111216-1 08/24/24 00:56 • (LCSD) R4111216-2 08/24/24 01:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	0.750	0.687	0.730	91.6	97.3	50.0-150			6.07	20
C22-C32 Hydrocarbons	0.750	0.641	0.642	85.5	85.6	50.0-150			0.156	20
(S) o-Terphenyl				*46.4*	*47.7*	*52.0-156*	J2	J2		

DRAFT

Method Blank (MB)

(MB) R4111701-1 08/22/24 15:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Anthracene	U		0.0000804	0.00100
Benzidine	U		0.00374	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.00100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.00100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodimethylamine	U		0.000998	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300

Method Blank (MB)

(MB) R4111701-1 08/22/24 15:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*38.1*			*10.0-120*
(S) Phenol-d5	*24.9*			*10.0-120*
(S) Nitrobenzene-d5	*67.1*			*10.0-127*
(S) 2-Fluorobiphenyl	*64.0*			*10.0-130*
(S) 2,4,6-Tribromophenol	*72.0*			*10.0-155*
(S) p-Terphenyl-d14	*77.1*			*10.0-128*

Method Blank (MB)

(MB) R4109553-3 08/20/24 14:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Anthracene	U		0.0000804	0.00100
Benzidine	U		0.00374	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.00100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100

Method Blank (MB)

(MB) R4109553-3 08/20/24 14:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.00100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodimethylamine	U		0.000998	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*39.6*			*10.0-120*

Method Blank (MB)

(MB) R4109553-3 08/20/24 14:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
(S) Phenol-d5	*24.3*			*10.0-120*
(S) Nitrobenzene-d5	*56.8*			*10.0-127*
(S) 2-Fluorobiphenyl	*64.4*			*10.0-130*
(S) 2,4,6-Tribromophenol	*67.0*			*10.0-155*
(S) p-Terphenyl-d14	*68.4*			*10.0-128*

Method Blank (MB)

(MB) R4113366-1 08/28/24 11:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Anthracene	U		0.0000804	0.00100
Benzidine	U		0.00374	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.00100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.00100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100

Method Blank (MB)

(MB) R4113366-1 08/28/24 11:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodimethylamine	U		0.000998	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*32.8*			*10.0-120*
(S) Phenol-d5	*23.6*			*10.0-120*
(S) Nitrobenzene-d5	*62.0*			*10.0-127*
(S) 2-Fluorobiphenyl	*63.3*			*10.0-130*
(S) 2,4,6-Tribromophenol	*56.5*			*10.0-155*
(S) p-Terphenyl-d14	*75.0*			*10.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4109553-1 08/20/24 13:55 • (LCSD) R4109553-2 08/20/24 14:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	0.0252	0.0292	50.4	58.4	41.0-120			14.7	22
Acenaphthylene	0.0500	0.0280	0.0316	56.0	63.2	43.0-120			12.1	22

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4109553-1 08/20/24 13:55 • (LCSD) R4109553-2 08/20/24 14:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0500	0.0261	0.0302	52.2	60.4	45.0-120			14.6	20
Benzidine	0.100	0.00550	0.00523	5.50	5.23	10.0-120	J4	J4	5.03	36
Benzo(a)anthracene	0.0500	0.0306	0.0342	61.2	68.4	47.0-120			11.1	20
Benzo(b)fluoranthene	0.0500	0.0292	0.0316	58.4	63.2	46.0-120			7.89	20
Benzo(k)fluoranthene	0.0500	0.0291	0.0308	58.2	61.6	46.0-120			5.68	21
Benzo(g,h,i)perylene	0.0500	0.0327	0.0367	65.4	73.4	48.0-121			11.5	20
Benzo(a)pyrene	0.0500	0.0290	0.0309	58.0	61.8	47.0-120			6.34	20
Bis(2-chlorethoxy)methane	0.0500	0.0279	0.0294	55.8	58.8	33.0-120			5.24	24
Bis(2-chloroethyl)ether	0.0500	0.0323	0.0340	64.6	68.0	23.0-120			5.13	33
2,2-Oxybis(1-Chloropropane)	0.0500	0.0261	0.0291	52.2	58.2	28.0-120			10.9	31
4-Bromophenyl-phenylether	0.0500	0.0264	0.0309	52.8	61.8	45.0-120			15.7	20
2-Chloronaphthalene	0.0500	0.0243	0.0286	48.6	57.2	37.0-120			16.3	25
4-Chlorophenyl-phenylether	0.0500	0.0263	0.0319	52.6	63.8	44.0-120			19.2	20
Chrysene	0.0500	0.0303	0.0335	60.6	67.0	48.0-120			10.0	20
Dibenz(a,h)anthracene	0.0500	0.0308	0.0339	61.6	67.8	47.0-120			9.58	20
3,3-Dichlorobenzidine	0.100	0.0570	0.0661	57.0	66.1	44.0-120			14.8	20
2,4-Dinitrotoluene	0.0500	0.0349	0.0388	69.8	77.6	49.0-124			10.6	20
2,6-Dinitrotoluene	0.0500	0.0327	0.0358	65.4	71.6	46.0-120			9.05	21
Fluoranthene	0.0500	0.0316	0.0357	63.2	71.4	51.0-120			12.2	20
Fluorene	0.0500	0.0284	0.0326	56.8	65.2	47.0-120			13.8	20
Hexachlorobenzene	0.0500	0.0272	0.0306	54.4	61.2	44.0-120			11.8	20
Hexachloro-1,3-butadiene	0.0500	0.0202	0.0269	40.4	53.8	19.0-120			28.5	32
Hexachlorocyclopentadiene	0.0500	0.0151	0.0193	30.2	38.6	15.0-120			24.4	31
Hexachloroethane	0.0500	0.0209	0.0280	41.8	56.0	15.0-120			29.0	37
Indeno(1,2,3-cd)pyrene	0.0500	0.0295	0.0329	59.0	65.8	49.0-122			10.9	20
Isophorone	0.0500	0.0262	0.0278	52.4	55.6	36.0-120			5.93	23
Naphthalene	0.0500	0.0229	0.0260	45.8	52.0	27.0-120			12.7	27
Nitrobenzene	0.0500	0.0247	0.0271	49.4	54.2	27.0-120			9.27	29
n-Nitrosodimethylamine	0.0500	0.0220	0.0208	44.0	41.6	10.0-120			5.61	40
n-Nitrosodiphenylamine	0.0500	0.0258	0.0306	51.6	61.2	47.0-120			17.0	20
n-Nitrosodi-n-propylamine	0.0500	0.0286	0.0319	57.2	63.8	31.0-120			10.9	28
Phenanthrene	0.0500	0.0257	0.0305	51.4	61.0	46.0-120			17.1	20
Benzylbutyl phthalate	0.0500	0.0243	0.0297	48.6	59.4	43.0-121			20.0	20
Bis(2-ethylhexyl)phthalate	0.0500	0.0273	0.0296	54.6	59.2	43.0-122			8.08	20
Di-n-butyl phthalate	0.0500	0.0285	0.0340	57.0	68.0	49.0-121			17.6	20
Diethyl phthalate	0.0500	0.0306	0.0353	61.2	70.6	48.0-122			14.3	20
Dimethyl phthalate	0.0500	0.0303	0.0339	60.6	67.8	48.0-120			11.2	20
Di-n-octyl phthalate	0.0500	0.0293	0.0310	58.6	62.0	42.0-125			5.64	20
Pyrene	0.0500	0.0225	0.0270	45.0	54.0	47.0-120	J4		18.2	20
1,2,4-Trichlorobenzene	0.0500	0.0212	0.0263	42.4	52.6	24.0-120			21.5	29

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4109553-1 08/20/24 13:55 • (LCSD) R4109553-2 08/20/24 14:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Chloro-3-methylphenol	0.0500	0.0276	0.0275	55.2	55.0	40.0-120			0.363	21
2-Chlorophenol	0.0500	0.0272	0.0263	54.4	52.6	25.0-120			3.36	35
2,4-Dichlorophenol	0.0500	0.0292	0.0297	58.4	59.4	36.0-120			1.70	26
2,4-Dimethylphenol	0.0500	0.0353	0.0324	70.6	64.8	33.0-120			8.57	26
4,6-Dinitro-2-methylphenol	0.0500	0.0331	0.0368	66.2	73.6	38.0-138			10.6	25
2,4-Dinitrophenol	0.0500	0.0347	0.0360	69.4	72.0	10.0-120			3.68	39
2-Nitrophenol	0.0500	0.0288	0.0297	57.6	59.4	31.0-120			3.08	29
4-Nitrophenol	0.0500	0.0152	0.0150	30.4	30.0	10.0-120			1.32	33
Pentachlorophenol	0.0500	0.0181	0.0218	36.2	43.6	23.0-120			18.5	25
Phenol	0.0500	0.0151	0.0147	30.2	29.4	10.0-120			2.68	36
2,4,6-Trichlorophenol	0.0500	0.0309	0.0336	61.8	67.2	42.0-120			8.37	23
(S) 2-Fluorophenol				*40.0*	*39.8*	*10.0-120*				
(S) Phenol-d5				*27.4*	*26.2*	*10.0-120*				
(S) Nitrobenzene-d5				*52.9*	*54.8*	*10.0-127*				
(S) 2-Fluorobiphenyl				*53.9*	*60.7*	*10.0-130*				
(S) 2,4,6-Tribromophenol				*62.0*	*75.0*	*10.0-155*				
(S) p-Terphenyl-d14				*56.8*	*63.5*	*10.0-128*				

DRAFT

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J4	The associated batch QC was outside the established quality control range for accuracy.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

DRAFT

Company Name/Address:
TRC - BNSF Region 4

6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
Accounts Payable
6 Executive Circle, Suite 200
Irvine, CA 92614

Pres Chk

Report to:
Jose Maldonado

Email To:
JMaldonado@trccompanies.com;gfry@trccomp

Project Description:
Lone Oak Barstow LLC

City/State Collected: **Barstow, CA**

Please Circle: PT MT CT ET

Phone: **661-520-8414**

Client Project #
596818.0000.0000

Lab Project #
BNSF4TRC-BARSTOWLOAK

Collected by (print):
Eladio

Site/Facility ID #
BNSF loan Oak Barstow

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270 100ml Amb NoPres	DROCAERLVI 40mlAmb-HCl-BT	M6020DCAM17-(FF) 250mlHDPE-NoPres	V8260 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-1	G	GW	—	8/15/24	1120	8	X	X	X	X		-01
MW-3	G	GW	—	↓	1147	8	X	X	X	X		-02
MW-2	G	GW	—	↓	1210	8	X	X	X	X		-03
		GW										
		GW										

Chain of Custody Page ___ of ___

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MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 176858 2
J250

Acctnum: **BNSF4TRC**
Template: **T258345**
Prelogin: **P1094988**
PM: **4089 - Andi R Jones**
PB: 8-13-2024 [illegible]
Shipped Via: **1st Overnight**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: "Bill to TRC-BNSF Contract Rates -PO #x"
"Title 22 Metals to be filtered by the lab as soon as received"

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 4012 9166 6366

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR	
[signature]	8/15/24				
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp MSAS °C 3.0 +0.3 = 3.3 24 Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 8/16/24 Time: 0900	Hold: Condition: NCF / (OK)

ANALYTICAL REPORT

September 04, 2024

TRC - BNSF Region 4

Sample Delivery Group:	L1770767
Samples Received:	08/23/2024
Project Number:	596818.0000.0000
Description:	Lone Oak Barstow LLC
Site:	LONE OAK
Report To:	Jose Maldonado 6 Executive Circle, Suite 200 Irvine, CA 92614

Entire Report Reviewed By:

Andi R Jones
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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DRAFT

SB-1-2 L1770767-01 Solid

Collected by: Paul Kee | Collected date/time: 08/21/24 09:50 | Received date/time: 08/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2349708	1	08/24/24 12:15	08/24/24 12:31	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2349632	1	08/23/24 22:19	08/25/24 17:22	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2349881	1	08/29/24 13:32	08/30/24 12:29	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355529	28.5	08/21/24 09:50	09/04/24 00:02	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2350511	1.14	08/21/24 09:50	08/26/24 16:11	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2349672	1	08/24/24 08:29	08/25/24 02:36	JSS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2351751	1	08/28/24 06:27	08/29/24 16:31	AMS	Mt. Juliet, TN

SB-2-2 L1770767-03 Solid

Collected by: Paul Kee | Collected date/time: 08/21/24 11:00 | Received date/time: 08/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2349708	1	08/24/24 12:15	08/24/24 12:31	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2349632	1	08/23/24 22:19	08/25/24 17:24	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2349881	1	08/29/24 13:32	08/30/24 12:31	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355529	28.5	08/21/24 11:00	09/04/24 00:25	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2350511	1.14	08/21/24 11:00	08/26/24 16:33	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2349672	100	08/24/24 08:29	08/25/24 03:19	JSS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2351751	1	08/28/24 06:27	08/29/24 16:53	AMS	Mt. Juliet, TN

SB-3-2 L1770767-05 Solid

Collected by: Paul Kee | Collected date/time: 08/21/24 11:30 | Received date/time: 08/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2349708	1	08/24/24 12:15	08/24/24 12:31	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2349632	1	08/23/24 22:19	08/25/24 17:27	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2349881	1	08/29/24 13:32	08/30/24 12:33	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355529	28.5	08/21/24 11:30	09/04/24 00:49	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2350511	1.14	08/21/24 11:30	08/26/24 16:55	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2349672	1	08/24/24 08:29	08/25/24 02:50	JSS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2351751	1	08/28/24 06:27	08/29/24 17:16	AMS	Mt. Juliet, TN

SB-4-3 L1770767-07 Solid

Collected by: Paul Kee | Collected date/time: 08/21/24 15:40 | Received date/time: 08/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2349708	1	08/24/24 12:15	08/24/24 12:31	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2349632	1	08/23/24 22:19	08/25/24 17:30	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2349883	1	08/28/24 12:22	08/28/24 17:05	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355529	39.5	08/21/24 15:40	09/04/24 01:12	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2351390	1.58	08/21/24 15:40	08/28/24 15:28	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2349672	1	08/24/24 08:29	08/25/24 01:52	JSS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2351751	1	08/28/24 06:27	08/29/24 03:21	AGW	Mt. Juliet, TN

SB-5-2 L1770767-08 Solid

Collected by: Paul Kee | Collected date/time: 08/22/24 08:05 | Received date/time: 08/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2349708	1	08/24/24 12:15	08/24/24 12:31	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2349632	1	08/23/24 22:19	08/25/24 17:32	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2349881	1	08/29/24 13:32	08/30/24 12:34	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355529	29.8	08/22/24 08:05	09/04/24 01:35	DWR	Mt. Juliet, TN

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SB-5-2 L1770767-08 Solid

Collected by: Paul Kee | Collected date/time: 08/22/24 08:05 | Received date/time: 08/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2350511	1.19	08/22/24 08:05	08/26/24 17:17	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2349672	1	08/24/24 08:29	08/25/24 02:06	JSS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2351751	1	08/28/24 06:27	08/29/24 15:46	AMS	Mt. Juliet, TN

SB-6-2 L1770767-10 Solid

Collected by: Paul Kee | Collected date/time: 08/22/24 12:25 | Received date/time: 08/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2349708	1	08/24/24 12:15	08/24/24 12:31	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2349632	1	08/23/24 22:19	08/25/24 17:35	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2349881	1	08/29/24 13:32	08/30/24 12:36	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355529	30.3	08/22/24 12:25	09/04/24 01:59	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2350511	1.21	08/22/24 12:25	08/26/24 17:39	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2349672	1	08/24/24 08:29	08/25/24 02:21	JSS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2351751	1	08/28/24 06:27	08/29/24 16:08	AMS	Mt. Juliet, TN

SB-1-10 L1770767-12 Solid

Collected by: Paul Kee | Collected date/time: 08/22/24 08:55 | Received date/time: 08/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2349708	1	08/24/24 12:15	08/24/24 12:31	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2349632	1	08/23/24 22:19	08/25/24 17:52	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2349881	1	08/29/24 13:32	08/30/24 12:38	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355529	35	08/22/24 08:55	09/04/24 02:22	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2350511	1.4	08/22/24 08:55	08/26/24 18:01	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2349672	1	08/24/24 08:29	08/25/24 01:08	JSS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2351751	1	08/28/24 06:27	08/29/24 03:42	AGW	Mt. Juliet, TN

SB-1-20 L1770767-14 Solid

Collected by: Paul Kee | Collected date/time: 08/22/24 09:35 | Received date/time: 08/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2349708	1	08/24/24 12:15	08/24/24 12:31	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2349632	1	08/23/24 22:19	08/25/24 17:55	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2349883	1	08/28/24 12:22	08/28/24 17:35	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355529	28.7	08/22/24 09:35	09/04/24 03:56	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2351186	1.15	08/22/24 09:35	08/27/24 13:38	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2349672	1	08/24/24 08:29	08/25/24 00:54	JSS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2351751	1	08/28/24 06:27	08/29/24 04:03	AGW	Mt. Juliet, TN

SB-2-10 L1770767-15 Solid

Collected by: Paul Kee | Collected date/time: 08/22/24 10:55 | Received date/time: 08/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2349708	1	08/24/24 12:15	08/24/24 12:31	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2349632	1	08/23/24 22:19	08/25/24 17:57	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2349883	1	08/28/24 12:22	08/28/24 17:39	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355529	26	08/22/24 10:55	09/04/24 04:19	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2351186	1.04	08/22/24 10:55	08/27/24 13:57	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2349672	1	08/24/24 08:29	08/25/24 01:23	JSS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2351751	1	08/28/24 06:27	08/29/24 04:24	AGW	Mt. Juliet, TN

DRAFT

SB-2-20 L1770767-17 Solid

Collected by	Collected date/time	Received date/time
Paul Kee	08/22/24 11:30	08/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2349709	1	08/24/24 11:53	08/24/24 12:11	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2349632	1	08/23/24 22:19	08/25/24 18:00	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2349883	1	08/28/24 12:22	08/28/24 17:42	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355529	26	08/22/24 11:30	09/04/24 04:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2351186	1.04	08/22/24 11:30	08/27/24 14:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2349672	1	08/24/24 08:29	08/25/24 01:37	JSS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2351751	1	08/28/24 06:27	08/29/24 15:00	AMS	Mt. Juliet, TN

DRAFT

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Andi R Jones
Project Manager

DRAFT

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	08/24/2024 12:31	WG2349708

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0424	1	08/25/2024 17:22	WG2349632

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.12	1	08/30/2024 12:29	WG2349881
Arsenic	3.24		2.12	1	08/30/2024 12:29	WG2349881
Barium	57.8		0.530	1	08/30/2024 12:29	WG2349881
Beryllium	0.239		0.212	1	08/30/2024 12:29	WG2349881
Cadmium	ND		0.530	1	08/30/2024 12:29	WG2349881
Chromium	3.50		1.06	1	08/30/2024 12:29	WG2349881
Cobalt	2.13		1.06	1	08/30/2024 12:29	WG2349881
Copper	4.79		2.12	1	08/30/2024 12:29	WG2349881
Lead	5.67		0.530	1	08/30/2024 12:29	WG2349881
Molybdenum	ND		0.530	1	08/30/2024 12:29	WG2349881
Nickel	3.22		2.12	1	08/30/2024 12:29	WG2349881
Selenium	ND		2.12	1	08/30/2024 12:29	WG2349881
Silver	ND		1.06	1	08/30/2024 12:29	WG2349881
Thallium	ND		2.12	1	08/30/2024 12:29	WG2349881
Vanadium	6.24		2.12	1	08/30/2024 12:29	WG2349881
Zinc	17.4		5.30	1	08/30/2024 12:29	WG2349881

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		3.17	28.5	09/04/2024 00:02	WG2355529
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*09/04/2024 00:02*	WG2355529

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0634	1.14	08/26/2024 16:11	WG2350511
Acrylonitrile	ND		0.0159	1.14	08/26/2024 16:11	WG2350511
Benzene	ND		0.00127	1.14	08/26/2024 16:11	WG2350511
Bromobenzene	ND		0.0159	1.14	08/26/2024 16:11	WG2350511
Bromodichloromethane	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
Bromoform	ND		0.0317	1.14	08/26/2024 16:11	WG2350511
Bromomethane	ND		0.0159	1.14	08/26/2024 16:11	WG2350511
n-Butylbenzene	ND		0.0159	1.14	08/26/2024 16:11	WG2350511
sec-Butylbenzene	ND		0.0159	1.14	08/26/2024 16:11	WG2350511
tert-Butylbenzene	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
Carbon tetrachloride	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
Chlorobenzene	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
Chlorodibromomethane	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
Chloroethane	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
Chloroform	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
Chloromethane	ND		0.0159	1.14	08/26/2024 16:11	WG2350511
2-Chlorotoluene	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
4-Chlorotoluene	ND		0.00634	1.14	08/26/2024 16:11	WG2350511

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND	J3	0.0317	1.14	08/26/2024 16:11	WG2350511
1,2-Dibromoethane	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
Dibromomethane	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
1,2-Dichlorobenzene	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
1,3-Dichlorobenzene	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
1,4-Dichlorobenzene	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
Dichlorodifluoromethane	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
1,1-Dichloroethane	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
1,2-Dichloroethane	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
1,1-Dichloroethene	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
cis-1,2-Dichloroethene	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
trans-1,2-Dichloroethene	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
1,2-Dichloropropane	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
1,1-Dichloropropene	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
1,3-Dichloropropane	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
cis-1,3-Dichloropropene	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
trans-1,3-Dichloropropene	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
2,2-Dichloropropane	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
Di-isopropyl ether	ND		0.00127	1.14	08/26/2024 16:11	WG2350511
Ethylbenzene	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
Hexachloro-1,3-butadiene	ND		0.0317	1.14	08/26/2024 16:11	WG2350511
Isopropylbenzene	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
p-Isopropyltoluene	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
2-Butanone (MEK)	ND		0.127	1.14	08/26/2024 16:11	WG2350511
Methylene Chloride	0.0802		0.0317	1.14	08/26/2024 16:11	WG2350511
4-Methyl-2-pentanone (MIBK)	ND		0.0317	1.14	08/26/2024 16:11	WG2350511
Methyl tert-butyl ether	ND		0.00127	1.14	08/26/2024 16:11	WG2350511
Naphthalene	ND		0.0159	1.14	08/26/2024 16:11	WG2350511
n-Propylbenzene	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
Styrene	ND		0.0159	1.14	08/26/2024 16:11	WG2350511
1,1,1,2-Tetrachloroethane	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
1,1,2,2-Tetrachloroethane	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
1,1,2-Trichlorotrifluoroethane	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
Tetrachloroethene	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
Toluene	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
1,2,3-Trichlorobenzene	ND		0.0159	1.14	08/26/2024 16:11	WG2350511
1,2,4-Trichlorobenzene	ND		0.0159	1.14	08/26/2024 16:11	WG2350511
1,1,1-Trichloroethane	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
1,1,2-Trichloroethane	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
Trichloroethene	ND		0.00127	1.14	08/26/2024 16:11	WG2350511
Trichlorofluoromethane	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
1,2,3-Trichloropropane	ND		0.0159	1.14	08/26/2024 16:11	WG2350511
1,2,4-Trimethylbenzene	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
1,2,3-Trimethylbenzene	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
Vinyl chloride	ND		0.00317	1.14	08/26/2024 16:11	WG2350511
1,3,5-Trimethylbenzene	ND		0.00634	1.14	08/26/2024 16:11	WG2350511
Xylenes, Total	ND		0.00824	1.14	08/26/2024 16:11	WG2350511
(S) Toluene-d8	*93.1*		*75.0-131*		*08/26/2024 16:11*	WG2350511
(S) 4-Bromofluorobenzene	*96.6*		*67.0-138*		*08/26/2024 16:11*	WG2350511
(S) 1,2-Dichloroethane-d4	*83.4*		*70.0-130*		*08/26/2024 16:11*	WG2350511

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.24	1	08/25/2024 02:36	WG2349672
C22-C32 Hydrocarbons	ND		4.24	1	08/25/2024 02:36	WG2349672
C32-C40 Hydrocarbons	ND		4.24	1	08/25/2024 02:36	WG2349672
(S) o-Terphenyl	*53.3*		*18.0-148*		*08/25/2024 02:36*	WG2349672

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Acenaphthylene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Anthracene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Benzidine	ND		1.77	1	08/29/2024 16:31	WG2351751
Benzo(a)anthracene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Benzo(b)fluoranthene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Benzo(k)fluoranthene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Benzo(g,h,i)perylene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Benzo(a)pyrene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Bis(2-chlorethoxy)methane	ND		0.353	1	08/29/2024 16:31	WG2351751
Bis(2-chloroethyl)ether	ND		0.353	1	08/29/2024 16:31	WG2351751
2,2-Oxybis(1-Chloropropane)	ND		0.353	1	08/29/2024 16:31	WG2351751
4-Bromophenyl-phenylether	ND		0.353	1	08/29/2024 16:31	WG2351751
2-Chloronaphthalene	ND		0.0353	1	08/29/2024 16:31	WG2351751
4-Chlorophenyl-phenylether	ND		0.353	1	08/29/2024 16:31	WG2351751
Chrysene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Dibenz(a,h)anthracene	ND		0.0353	1	08/29/2024 16:31	WG2351751
3,3-Dichlorobenzidine	ND		0.353	1	08/29/2024 16:31	WG2351751
2,4-Dinitrotoluene	ND		0.353	1	08/29/2024 16:31	WG2351751
2,6-Dinitrotoluene	ND		0.353	1	08/29/2024 16:31	WG2351751
Fluoranthene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Fluorene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Hexachlorobenzene	ND		0.353	1	08/29/2024 16:31	WG2351751
Hexachloro-1,3-butadiene	ND		0.353	1	08/29/2024 16:31	WG2351751
Hexachlorocyclopentadiene	ND		0.353	1	08/29/2024 16:31	WG2351751
Hexachloroethane	ND		0.353	1	08/29/2024 16:31	WG2351751
Indeno(1,2,3-cd)pyrene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Isophorone	ND		0.353	1	08/29/2024 16:31	WG2351751
Naphthalene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Nitrobenzene	ND		0.353	1	08/29/2024 16:31	WG2351751
n-Nitrosodimethylamine	ND		0.353	1	08/29/2024 16:31	WG2351751
n-Nitrosodiphenylamine	ND		0.353	1	08/29/2024 16:31	WG2351751
n-Nitrosodi-n-propylamine	ND		0.353	1	08/29/2024 16:31	WG2351751
Phenanthrene	ND		0.0353	1	08/29/2024 16:31	WG2351751
Benzylbutyl phthalate	ND		0.353	1	08/29/2024 16:31	WG2351751
Bis(2-ethylhexyl)phthalate	ND		0.353	1	08/29/2024 16:31	WG2351751
Di-n-butyl phthalate	ND		0.353	1	08/29/2024 16:31	WG2351751
Diethyl phthalate	ND		0.353	1	08/29/2024 16:31	WG2351751
Dimethyl phthalate	ND		0.353	1	08/29/2024 16:31	WG2351751
Di-n-octyl phthalate	ND		0.353	1	08/29/2024 16:31	WG2351751
Pyrene	ND		0.0353	1	08/29/2024 16:31	WG2351751
1,2,4-Trichlorobenzene	ND		0.353	1	08/29/2024 16:31	WG2351751
4-Chloro-3-methylphenol	ND		0.353	1	08/29/2024 16:31	WG2351751
2-Chlorophenol	ND		0.353	1	08/29/2024 16:31	WG2351751
2,4-Dichlorophenol	ND		0.353	1	08/29/2024 16:31	WG2351751
2,4-Dimethylphenol	ND		0.353	1	08/29/2024 16:31	WG2351751
4,6-Dinitro-2-methylphenol	ND		0.353	1	08/29/2024 16:31	WG2351751
2,4-Dinitrophenol	ND		0.353	1	08/29/2024 16:31	WG2351751

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.353	1	08/29/2024 16:31	WG2351751
3&4-Methyl Phenol	ND		0.353	1	08/29/2024 16:31	WG2351751
2-Nitrophenol	ND		0.353	1	08/29/2024 16:31	WG2351751
4-Nitrophenol	ND		0.353	1	08/29/2024 16:31	WG2351751
Pentachlorophenol	ND		0.353	1	08/29/2024 16:31	WG2351751
Pyridine	ND		0.353	1	08/29/2024 16:31	WG2351751
2,4,5-Trichlorophenol	ND		0.353	1	08/29/2024 16:31	WG2351751
2,4,6-Trichlorophenol	ND		0.353	1	08/29/2024 16:31	WG2351751
Phenol	ND		0.353	1	08/29/2024 16:31	WG2351751
(S) 2-Fluorophenol	*66.8*		*12.0-120*		*08/29/2024 16:31*	WG2351751
(S) Phenol-d5	*62.4*		*10.0-120*		*08/29/2024 16:31*	WG2351751
(S) Nitrobenzene-d5	*54.4*		*10.0-122*		*08/29/2024 16:31*	WG2351751
(S) 2-Fluorobiphenyl	*58.1*		*15.0-120*		*08/29/2024 16:31*	WG2351751
(S) 2,4,6-Tribromophenol	*66.5*		*10.0-127*		*08/29/2024 16:31*	WG2351751
(S) p-Terphenyl-d14	*68.8*		*10.0-120*		*08/29/2024 16:31*	WG2351751

DRAFT

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.6		1	08/24/2024 12:31	WG2349708

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0423	1	08/25/2024 17:24	WG2349632

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.11	1	08/30/2024 12:31	WG2349881
Arsenic	ND		2.11	1	08/30/2024 12:31	WG2349881
Barium	41.8		0.529	1	08/30/2024 12:31	WG2349881
Beryllium	ND		0.211	1	08/30/2024 12:31	WG2349881
Cadmium	ND		0.529	1	08/30/2024 12:31	WG2349881
Chromium	2.90		1.06	1	08/30/2024 12:31	WG2349881
Cobalt	1.61		1.06	1	08/30/2024 12:31	WG2349881
Copper	5.28		2.11	1	08/30/2024 12:31	WG2349881
Lead	8.40		0.529	1	08/30/2024 12:31	WG2349881
Molybdenum	ND		0.529	1	08/30/2024 12:31	WG2349881
Nickel	2.78		2.11	1	08/30/2024 12:31	WG2349881
Selenium	ND		2.11	1	08/30/2024 12:31	WG2349881
Silver	ND		1.06	1	08/30/2024 12:31	WG2349881
Thallium	ND		2.11	1	08/30/2024 12:31	WG2349881
Vanadium	5.72		2.11	1	08/30/2024 12:31	WG2349881
Zinc	25.7		5.29	1	08/30/2024 12:31	WG2349881

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		3.16	28.5	09/04/2024 00:25	WG2355529
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*09/04/2024 00:25*	WG2355529

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0631	1.14	08/26/2024 16:33	WG2350511
Acrylonitrile	ND		0.0158	1.14	08/26/2024 16:33	WG2350511
Benzene	ND		0.00126	1.14	08/26/2024 16:33	WG2350511
Bromobenzene	ND		0.0158	1.14	08/26/2024 16:33	WG2350511
Bromodichloromethane	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
Bromoform	ND		0.0316	1.14	08/26/2024 16:33	WG2350511
Bromomethane	ND		0.0158	1.14	08/26/2024 16:33	WG2350511
n-Butylbenzene	ND		0.0158	1.14	08/26/2024 16:33	WG2350511
sec-Butylbenzene	ND		0.0158	1.14	08/26/2024 16:33	WG2350511
tert-Butylbenzene	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
Carbon tetrachloride	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
Chlorobenzene	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
Chlorodibromomethane	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
Chloroethane	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
Chloroform	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
Chloromethane	ND		0.0158	1.14	08/26/2024 16:33	WG2350511
2-Chlorotoluene	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
4-Chlorotoluene	ND		0.00631	1.14	08/26/2024 16:33	WG2350511

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND	J3	0.0316	1.14	08/26/2024 16:33	WG2350511
1,2-Dibromoethane	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
Dibromomethane	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
1,2-Dichlorobenzene	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
1,3-Dichlorobenzene	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
1,4-Dichlorobenzene	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
Dichlorodifluoromethane	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
1,1-Dichloroethane	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
1,2-Dichloroethane	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
1,1-Dichloroethene	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
cis-1,2-Dichloroethene	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
trans-1,2-Dichloroethene	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
1,2-Dichloropropane	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
1,1-Dichloropropene	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
1,3-Dichloropropane	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
cis-1,3-Dichloropropene	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
trans-1,3-Dichloropropene	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
2,2-Dichloropropane	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
Di-isopropyl ether	ND		0.00126	1.14	08/26/2024 16:33	WG2350511
Ethylbenzene	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
Hexachloro-1,3-butadiene	ND		0.0316	1.14	08/26/2024 16:33	WG2350511
Isopropylbenzene	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
p-Isopropyltoluene	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
2-Butanone (MEK)	ND		0.126	1.14	08/26/2024 16:33	WG2350511
Methylene Chloride	0.106		0.0316	1.14	08/26/2024 16:33	WG2350511
4-Methyl-2-pentanone (MIBK)	ND		0.0316	1.14	08/26/2024 16:33	WG2350511
Methyl tert-butyl ether	ND		0.00126	1.14	08/26/2024 16:33	WG2350511
Naphthalene	ND		0.0158	1.14	08/26/2024 16:33	WG2350511
n-Propylbenzene	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
Styrene	ND		0.0158	1.14	08/26/2024 16:33	WG2350511
1,1,1,2-Tetrachloroethane	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
1,1,2,2-Tetrachloroethane	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
1,1,2-Trichlorotrifluoroethane	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
Tetrachloroethene	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
Toluene	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
1,2,3-Trichlorobenzene	ND		0.0158	1.14	08/26/2024 16:33	WG2350511
1,2,4-Trichlorobenzene	ND		0.0158	1.14	08/26/2024 16:33	WG2350511
1,1,1-Trichloroethane	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
1,1,2-Trichloroethane	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
Trichloroethene	ND		0.00126	1.14	08/26/2024 16:33	WG2350511
Trichlorofluoromethane	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
1,2,3-Trichloropropane	ND		0.0158	1.14	08/26/2024 16:33	WG2350511
1,2,4-Trimethylbenzene	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
1,2,3-Trimethylbenzene	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
Vinyl chloride	ND		0.00316	1.14	08/26/2024 16:33	WG2350511
1,3,5-Trimethylbenzene	ND		0.00631	1.14	08/26/2024 16:33	WG2350511
Xylenes, Total	ND		0.00821	1.14	08/26/2024 16:33	WG2350511
(S) Toluene-d8	*91.3*		*75.0-131*		*08/26/2024 16:33*	WG2350511
(S) 4-Bromofluorobenzene	*93.3*		*67.0-138*		*08/26/2024 16:33*	WG2350511
(S) 1,2-Dichloroethane-d4	*86.6*		*70.0-130*		*08/26/2024 16:33*	WG2350511

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		423	100	08/25/2024 03:19	WG2349672
C22-C32 Hydrocarbons	1140		423	100	08/25/2024 03:19	WG2349672
C32-C40 Hydrocarbons	ND		423	100	08/25/2024 03:19	WG2349672
(S) o-Terphenyl	*0.000*	J7	*18.0-148*		*08/25/2024 03:19*	WG2349672

Sample Narrative:

L1770767-03 WG2349672: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Acenaphthylene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Anthracene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Benzidine	ND		1.77	1	08/29/2024 16:53	WG2351751
Benzo(a)anthracene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Benzo(b)fluoranthene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Benzo(k)fluoranthene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Benzo(g,h,i)perylene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Benzo(a)pyrene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Bis(2-chlorethoxy)methane	ND		0.352	1	08/29/2024 16:53	WG2351751
Bis(2-chloroethyl)ether	ND		0.352	1	08/29/2024 16:53	WG2351751
2,2-Oxybis(1-Chloropropane)	ND		0.352	1	08/29/2024 16:53	WG2351751
4-Bromophenyl-phenylether	ND		0.352	1	08/29/2024 16:53	WG2351751
2-Chloronaphthalene	ND		0.0352	1	08/29/2024 16:53	WG2351751
4-Chlorophenyl-phenylether	ND		0.352	1	08/29/2024 16:53	WG2351751
Chrysene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Dibenz(a,h)anthracene	ND		0.0352	1	08/29/2024 16:53	WG2351751
3,3-Dichlorobenzidine	ND		0.352	1	08/29/2024 16:53	WG2351751
2,4-Dinitrotoluene	ND		0.352	1	08/29/2024 16:53	WG2351751
2,6-Dinitrotoluene	ND		0.352	1	08/29/2024 16:53	WG2351751
Fluoranthene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Fluorene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Hexachlorobenzene	ND		0.352	1	08/29/2024 16:53	WG2351751
Hexachloro-1,3-butadiene	ND		0.352	1	08/29/2024 16:53	WG2351751
Hexachlorocyclopentadiene	ND		0.352	1	08/29/2024 16:53	WG2351751
Hexachloroethane	ND		0.352	1	08/29/2024 16:53	WG2351751
Indeno(1,2,3-cd)pyrene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Isophorone	ND		0.352	1	08/29/2024 16:53	WG2351751
Naphthalene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Nitrobenzene	ND		0.352	1	08/29/2024 16:53	WG2351751
n-Nitrosodimethylamine	ND		0.352	1	08/29/2024 16:53	WG2351751
n-Nitrosodiphenylamine	ND		0.352	1	08/29/2024 16:53	WG2351751
n-Nitrosodi-n-propylamine	ND		0.352	1	08/29/2024 16:53	WG2351751
Phenanthrene	ND		0.0352	1	08/29/2024 16:53	WG2351751
Benzylbutyl phthalate	ND		0.352	1	08/29/2024 16:53	WG2351751
Bis(2-ethylhexyl)phthalate	ND		0.352	1	08/29/2024 16:53	WG2351751
Di-n-butyl phthalate	ND		0.352	1	08/29/2024 16:53	WG2351751
Diethyl phthalate	ND		0.352	1	08/29/2024 16:53	WG2351751
Dimethyl phthalate	ND		0.352	1	08/29/2024 16:53	WG2351751
Di-n-octyl phthalate	ND		0.352	1	08/29/2024 16:53	WG2351751
Pyrene	ND		0.0352	1	08/29/2024 16:53	WG2351751
1,2,4-Trichlorobenzene	ND		0.352	1	08/29/2024 16:53	WG2351751
4-Chloro-3-methylphenol	ND		0.352	1	08/29/2024 16:53	WG2351751
2-Chlorophenol	ND		0.352	1	08/29/2024 16:53	WG2351751
2,4-Dichlorophenol	ND		0.352	1	08/29/2024 16:53	WG2351751

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	ND		0.352	1	08/29/2024 16:53	WG2351751
4,6-Dinitro-2-methylphenol	ND		0.352	1	08/29/2024 16:53	WG2351751
2,4-Dinitrophenol	ND		0.352	1	08/29/2024 16:53	WG2351751
2-Methylphenol	ND		0.352	1	08/29/2024 16:53	WG2351751
3&4-Methyl Phenol	ND		0.352	1	08/29/2024 16:53	WG2351751
2-Nitrophenol	ND		0.352	1	08/29/2024 16:53	WG2351751
4-Nitrophenol	ND		0.352	1	08/29/2024 16:53	WG2351751
Pentachlorophenol	ND		0.352	1	08/29/2024 16:53	WG2351751
Pyridine	ND		0.352	1	08/29/2024 16:53	WG2351751
2,4,5-Trichlorophenol	ND		0.352	1	08/29/2024 16:53	WG2351751
2,4,6-Trichlorophenol	ND		0.352	1	08/29/2024 16:53	WG2351751
Phenol	ND		0.352	1	08/29/2024 16:53	WG2351751
(S) 2-Fluorophenol	*33.8*		*12.0-120*		*08/29/2024 16:53*	WG2351751
(S) Phenol-d5	*32.9*		*10.0-120*		*08/29/2024 16:53*	WG2351751
(S) Nitrobenzene-d5	*28.6*		*10.0-122*		*08/29/2024 16:53*	WG2351751
(S) 2-Fluorobiphenyl	*30.0*		*15.0-120*		*08/29/2024 16:53*	WG2351751
(S) 2,4,6-Tribromophenol	*45.6*		*10.0-127*		*08/29/2024 16:53*	WG2351751
(S) p-Terphenyl-d14	*52.0*		*10.0-120*		*08/29/2024 16:53*	WG2351751

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	08/24/2024 12:31	WG2349708

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0428	1	08/25/2024 17:27	WG2349632

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.14	1	08/30/2024 12:33	WG2349881
Arsenic	ND		2.14	1	08/30/2024 12:33	WG2349881
Barium	33.1		0.535	1	08/30/2024 12:33	WG2349881
Beryllium	ND		0.214	1	08/30/2024 12:33	WG2349881
Cadmium	ND		0.535	1	08/30/2024 12:33	WG2349881
Chromium	2.67		1.07	1	08/30/2024 12:33	WG2349881
Cobalt	1.44		1.07	1	08/30/2024 12:33	WG2349881
Copper	5.24		2.14	1	08/30/2024 12:33	WG2349881
Lead	11.3		0.535	1	08/30/2024 12:33	WG2349881
Molybdenum	ND		0.535	1	08/30/2024 12:33	WG2349881
Nickel	2.67		2.14	1	08/30/2024 12:33	WG2349881
Selenium	ND		2.14	1	08/30/2024 12:33	WG2349881
Silver	ND		1.07	1	08/30/2024 12:33	WG2349881
Thallium	ND		2.14	1	08/30/2024 12:33	WG2349881
Vanadium	5.27		2.14	1	08/30/2024 12:33	WG2349881
Zinc	24.6		5.35	1	08/30/2024 12:33	WG2349881

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		3.23	28.5	09/04/2024 00:49	WG2355529
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*09/04/2024 00:49*	WG2355529

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0646	1.14	08/26/2024 16:55	WG2350511
Acrylonitrile	ND		0.0162	1.14	08/26/2024 16:55	WG2350511
Benzene	ND		0.00129	1.14	08/26/2024 16:55	WG2350511
Bromobenzene	ND		0.0162	1.14	08/26/2024 16:55	WG2350511
Bromodichloromethane	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
Bromoform	ND		0.0323	1.14	08/26/2024 16:55	WG2350511
Bromomethane	ND		0.0162	1.14	08/26/2024 16:55	WG2350511
n-Butylbenzene	ND		0.0162	1.14	08/26/2024 16:55	WG2350511
sec-Butylbenzene	ND		0.0162	1.14	08/26/2024 16:55	WG2350511
tert-Butylbenzene	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
Carbon tetrachloride	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
Chlorobenzene	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
Chlorodibromomethane	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
Chloroethane	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
Chloroform	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
Chloromethane	ND		0.0162	1.14	08/26/2024 16:55	WG2350511
2-Chlorotoluene	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
4-Chlorotoluene	ND		0.00646	1.14	08/26/2024 16:55	WG2350511

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND	J3	0.0323	1.14	08/26/2024 16:55	WG2350511
1,2-Dibromoethane	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
Dibromomethane	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
1,2-Dichlorobenzene	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
1,3-Dichlorobenzene	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
1,4-Dichlorobenzene	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
Dichlorodifluoromethane	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
1,1-Dichloroethane	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
1,2-Dichloroethane	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
1,1-Dichloroethene	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
cis-1,2-Dichloroethene	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
trans-1,2-Dichloroethene	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
1,2-Dichloropropane	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
1,1-Dichloropropene	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
1,3-Dichloropropane	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
cis-1,3-Dichloropropene	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
trans-1,3-Dichloropropene	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
2,2-Dichloropropane	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
Di-isopropyl ether	ND		0.00129	1.14	08/26/2024 16:55	WG2350511
Ethylbenzene	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
Hexachloro-1,3-butadiene	ND		0.0323	1.14	08/26/2024 16:55	WG2350511
Isopropylbenzene	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
p-Isopropyltoluene	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
2-Butanone (MEK)	ND		0.129	1.14	08/26/2024 16:55	WG2350511
Methylene Chloride	ND		0.0323	1.14	08/26/2024 16:55	WG2350511
4-Methyl-2-pentanone (MIBK)	ND		0.0323	1.14	08/26/2024 16:55	WG2350511
Methyl tert-butyl ether	ND		0.00129	1.14	08/26/2024 16:55	WG2350511
Naphthalene	ND		0.0162	1.14	08/26/2024 16:55	WG2350511
n-Propylbenzene	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
Styrene	ND		0.0162	1.14	08/26/2024 16:55	WG2350511
1,1,1,2-Tetrachloroethane	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
1,1,2,2-Tetrachloroethane	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
1,1,2-Trichlorotrifluoroethane	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
Tetrachloroethene	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
Toluene	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
1,2,3-Trichlorobenzene	ND		0.0162	1.14	08/26/2024 16:55	WG2350511
1,2,4-Trichlorobenzene	ND		0.0162	1.14	08/26/2024 16:55	WG2350511
1,1,1-Trichloroethane	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
1,1,2-Trichloroethane	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
Trichloroethene	ND		0.00129	1.14	08/26/2024 16:55	WG2350511
Trichlorofluoromethane	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
1,2,3-Trichloropropane	ND		0.0162	1.14	08/26/2024 16:55	WG2350511
1,2,4-Trimethylbenzene	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
1,2,3-Trimethylbenzene	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
Vinyl chloride	ND		0.00323	1.14	08/26/2024 16:55	WG2350511
1,3,5-Trimethylbenzene	ND		0.00646	1.14	08/26/2024 16:55	WG2350511
Xylenes, Total	ND		0.00840	1.14	08/26/2024 16:55	WG2350511
(S) Toluene-d8	*95.1*		*75.0-131*		*08/26/2024 16:55*	WG2350511
(S) 4-Bromofluorobenzene	*94.3*		*67.0-138*		*08/26/2024 16:55*	WG2350511
(S) 1,2-Dichloroethane-d4	*85.2*		*70.0-130*		*08/26/2024 16:55*	WG2350511

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.28	1	08/25/2024 02:50	WG2349672
C22-C32 Hydrocarbons	12.2		4.28	1	08/25/2024 02:50	WG2349672
C32-C40 Hydrocarbons	11.7		4.28	1	08/25/2024 02:50	WG2349672
(S) o-Terphenyl	*63.3*		*18.0-148*		*08/25/2024 02:50*	WG2349672

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Acenaphthylene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Anthracene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Benzidine	ND		1.79	1	08/29/2024 17:16	WG2351751
Benzo(a)anthracene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Benzo(b)fluoranthene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Benzo(k)fluoranthene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Benzo(g,h,i)perylene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Benzo(a)pyrene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Bis(2-chlorethoxy)methane	ND		0.357	1	08/29/2024 17:16	WG2351751
Bis(2-chloroethyl)ether	ND		0.357	1	08/29/2024 17:16	WG2351751
2,2-Oxybis(1-Chloropropane)	ND		0.357	1	08/29/2024 17:16	WG2351751
4-Bromophenyl-phenylether	ND		0.357	1	08/29/2024 17:16	WG2351751
2-Chloronaphthalene	ND		0.0357	1	08/29/2024 17:16	WG2351751
4-Chlorophenyl-phenylether	ND		0.357	1	08/29/2024 17:16	WG2351751
Chrysene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Dibenz(a,h)anthracene	ND		0.0357	1	08/29/2024 17:16	WG2351751
3,3-Dichlorobenzidine	ND		0.357	1	08/29/2024 17:16	WG2351751
2,4-Dinitrotoluene	ND		0.357	1	08/29/2024 17:16	WG2351751
2,6-Dinitrotoluene	ND		0.357	1	08/29/2024 17:16	WG2351751
Fluoranthene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Fluorene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Hexachlorobenzene	ND		0.357	1	08/29/2024 17:16	WG2351751
Hexachloro-1,3-butadiene	ND		0.357	1	08/29/2024 17:16	WG2351751
Hexachlorocyclopentadiene	ND		0.357	1	08/29/2024 17:16	WG2351751
Hexachloroethane	ND		0.357	1	08/29/2024 17:16	WG2351751
Indeno(1,2,3-cd)pyrene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Isophorone	ND		0.357	1	08/29/2024 17:16	WG2351751
Naphthalene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Nitrobenzene	ND		0.357	1	08/29/2024 17:16	WG2351751
n-Nitrosodimethylamine	ND		0.357	1	08/29/2024 17:16	WG2351751
n-Nitrosodiphenylamine	ND		0.357	1	08/29/2024 17:16	WG2351751
n-Nitrosodi-n-propylamine	ND		0.357	1	08/29/2024 17:16	WG2351751
Phenanthrene	ND		0.0357	1	08/29/2024 17:16	WG2351751
Benzylbutyl phthalate	ND		0.357	1	08/29/2024 17:16	WG2351751
Bis(2-ethylhexyl)phthalate	ND		0.357	1	08/29/2024 17:16	WG2351751
Di-n-butyl phthalate	ND		0.357	1	08/29/2024 17:16	WG2351751
Diethyl phthalate	ND		0.357	1	08/29/2024 17:16	WG2351751
Dimethyl phthalate	ND		0.357	1	08/29/2024 17:16	WG2351751
Di-n-octyl phthalate	ND		0.357	1	08/29/2024 17:16	WG2351751
Pyrene	ND		0.0357	1	08/29/2024 17:16	WG2351751
1,2,4-Trichlorobenzene	ND		0.357	1	08/29/2024 17:16	WG2351751
4-Chloro-3-methylphenol	ND		0.357	1	08/29/2024 17:16	WG2351751
2-Chlorophenol	ND		0.357	1	08/29/2024 17:16	WG2351751
2,4-Dichlorophenol	ND		0.357	1	08/29/2024 17:16	WG2351751
2,4-Dimethylphenol	ND		0.357	1	08/29/2024 17:16	WG2351751
4,6-Dinitro-2-methylphenol	ND		0.357	1	08/29/2024 17:16	WG2351751
2,4-Dinitrophenol	ND		0.357	1	08/29/2024 17:16	WG2351751

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.357	1	08/29/2024 17:16	WG2351751
3&4-Methyl Phenol	ND		0.357	1	08/29/2024 17:16	WG2351751
2-Nitrophenol	ND		0.357	1	08/29/2024 17:16	WG2351751
4-Nitrophenol	ND		0.357	1	08/29/2024 17:16	WG2351751
Pentachlorophenol	ND		0.357	1	08/29/2024 17:16	WG2351751
Pyridine	ND		0.357	1	08/29/2024 17:16	WG2351751
2,4,5-Trichlorophenol	ND		0.357	1	08/29/2024 17:16	WG2351751
2,4,6-Trichlorophenol	ND		0.357	1	08/29/2024 17:16	WG2351751
Phenol	ND		0.357	1	08/29/2024 17:16	WG2351751
(S) 2-Fluorophenol	*39.1*		*12.0-120*		*08/29/2024 17:16*	WG2351751
(S) Phenol-d5	*37.5*		*10.0-120*		*08/29/2024 17:16*	WG2351751
(S) Nitrobenzene-d5	*32.5*		*10.0-122*		*08/29/2024 17:16*	WG2351751
(S) 2-Fluorobiphenyl	*35.3*		*15.0-120*		*08/29/2024 17:16*	WG2351751
(S) 2,4,6-Tribromophenol	*50.8*		*10.0-127*		*08/29/2024 17:16*	WG2351751
(S) p-Terphenyl-d14	*56.8*		*10.0-120*		*08/29/2024 17:16*	WG2351751

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.7		1	08/24/2024 12:31	WG2349708

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0427	1	08/25/2024 17:30	WG2349632

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J6	2.13	1	08/28/2024 17:05	WG2349883
Arsenic	2.44		2.13	1	08/28/2024 17:05	WG2349883
Barium	30.9	B	0.534	1	08/28/2024 17:05	WG2349883
Beryllium	0.240		0.213	1	08/28/2024 17:05	WG2349883
Cadmium	ND		0.534	1	08/28/2024 17:05	WG2349883
Chromium	4.13		1.07	1	08/28/2024 17:05	WG2349883
Cobalt	2.41		1.07	1	08/28/2024 17:05	WG2349883
Copper	5.03		2.13	1	08/28/2024 17:05	WG2349883
Lead	4.04		0.534	1	08/28/2024 17:05	WG2349883
Molybdenum	ND		0.534	1	08/28/2024 17:05	WG2349883
Nickel	3.15		2.13	1	08/28/2024 17:05	WG2349883
Selenium	ND		2.13	1	08/28/2024 17:05	WG2349883
Silver	ND		1.07	1	08/28/2024 17:05	WG2349883
Thallium	ND		2.13	1	08/28/2024 17:05	WG2349883
Vanadium	8.63		2.13	1	08/28/2024 17:05	WG2349883
Zinc	15.4		5.34	1	08/28/2024 17:05	WG2349883

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		4.38	39.5	09/04/2024 01:12	WG2355529
(S) a,a,a-Trifluorotoluene(FID)	*99.7*		*77.0-120*		*09/04/2024 01:12*	WG2355529

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	0.178		0.0877	1.58	08/28/2024 15:28	WG2351390
Acrylonitrile	ND		0.0220	1.58	08/28/2024 15:28	WG2351390
Benzene	ND		0.00175	1.58	08/28/2024 15:28	WG2351390
Bromobenzene	ND		0.0220	1.58	08/28/2024 15:28	WG2351390
Bromodichloromethane	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
Bromoform	ND		0.0438	1.58	08/28/2024 15:28	WG2351390
Bromomethane	ND		0.0220	1.58	08/28/2024 15:28	WG2351390
n-Butylbenzene	ND		0.0220	1.58	08/28/2024 15:28	WG2351390
sec-Butylbenzene	ND		0.0220	1.58	08/28/2024 15:28	WG2351390
tert-Butylbenzene	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
Carbon tetrachloride	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
Chlorobenzene	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
Chlorodibromomethane	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
Chloroethane	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
Chloroform	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
Chloromethane	ND		0.0220	1.58	08/28/2024 15:28	WG2351390
2-Chlorotoluene	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
4-Chlorotoluene	ND		0.00877	1.58	08/28/2024 15:28	WG2351390

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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0438	1.58	08/28/2024 15:28	WG2351390
1,2-Dibromoethane	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
Dibromomethane	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
1,2-Dichlorobenzene	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
1,3-Dichlorobenzene	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
1,4-Dichlorobenzene	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
Dichlorodifluoromethane	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
1,1-Dichloroethane	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
1,2-Dichloroethane	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
1,1-Dichloroethene	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
cis-1,2-Dichloroethene	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
trans-1,2-Dichloroethene	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
1,2-Dichloropropane	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
1,1-Dichloropropene	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
1,3-Dichloropropane	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
cis-1,3-Dichloropropene	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
trans-1,3-Dichloropropene	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
2,2-Dichloropropane	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
Di-isopropyl ether	ND		0.00175	1.58	08/28/2024 15:28	WG2351390
Ethylbenzene	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
Hexachloro-1,3-butadiene	ND		0.0438	1.58	08/28/2024 15:28	WG2351390
Isopropylbenzene	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
p-Isopropyltoluene	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
2-Butanone (MEK)	ND		0.175	1.58	08/28/2024 15:28	WG2351390
Methylene Chloride	ND		0.0438	1.58	08/28/2024 15:28	WG2351390
4-Methyl-2-pentanone (MIBK)	ND		0.0438	1.58	08/28/2024 15:28	WG2351390
Methyl tert-butyl ether	ND		0.00175	1.58	08/28/2024 15:28	WG2351390
Naphthalene	ND		0.0220	1.58	08/28/2024 15:28	WG2351390
n-Propylbenzene	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
Styrene	ND		0.0220	1.58	08/28/2024 15:28	WG2351390
1,1,1,2-Tetrachloroethane	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
1,1,2,2-Tetrachloroethane	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
1,1,2-Trichlorotrifluoroethane	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
Tetrachloroethene	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
Toluene	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
1,2,3-Trichlorobenzene	ND		0.0220	1.58	08/28/2024 15:28	WG2351390
1,2,4-Trichlorobenzene	ND		0.0220	1.58	08/28/2024 15:28	WG2351390
1,1,1-Trichloroethane	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
1,1,2-Trichloroethane	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
Trichloroethene	ND		0.00175	1.58	08/28/2024 15:28	WG2351390
Trichlorofluoromethane	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
1,2,3-Trichloropropane	ND		0.0220	1.58	08/28/2024 15:28	WG2351390
1,2,4-Trimethylbenzene	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
1,2,3-Trimethylbenzene	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
Vinyl chloride	ND		0.00438	1.58	08/28/2024 15:28	WG2351390
1,3,5-Trimethylbenzene	ND		0.00877	1.58	08/28/2024 15:28	WG2351390
Xylenes, Total	ND		0.0114	1.58	08/28/2024 15:28	WG2351390
(S) Toluene-d8	*109*		*75.0-131*		*08/28/2024 15:28*	WG2351390
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*08/28/2024 15:28*	WG2351390
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/28/2024 15:28*	WG2351390

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.27	1	08/25/2024 01:52	WG2349672
C22-C32 Hydrocarbons	ND		4.27	1	08/25/2024 01:52	WG2349672
C32-C40 Hydrocarbons	ND		4.27	1	08/25/2024 01:52	WG2349672
(S) o-Terphenyl	*60.9*		*18.0-148*		*08/25/2024 01:52*	WG2349672

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Acenaphthylene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Anthracene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Benzidine	ND		1.78	1	08/29/2024 03:21	WG2351751
Benzo(a)anthracene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Benzo(b)fluoranthene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Benzo(k)fluoranthene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Benzo(g,h,i)perylene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Benzo(a)pyrene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Bis(2-chlorethoxy)methane	ND		0.355	1	08/29/2024 03:21	WG2351751
Bis(2-chloroethyl)ether	ND		0.355	1	08/29/2024 03:21	WG2351751
2,2-Oxybis(1-Chloropropane)	ND		0.355	1	08/29/2024 03:21	WG2351751
4-Bromophenyl-phenylether	ND		0.355	1	08/29/2024 03:21	WG2351751
2-Chloronaphthalene	ND		0.0355	1	08/29/2024 03:21	WG2351751
4-Chlorophenyl-phenylether	ND		0.355	1	08/29/2024 03:21	WG2351751
Chrysene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Dibenz(a,h)anthracene	ND		0.0355	1	08/29/2024 03:21	WG2351751
3,3-Dichlorobenzidine	ND		0.355	1	08/29/2024 03:21	WG2351751
2,4-Dinitrotoluene	ND		0.355	1	08/29/2024 03:21	WG2351751
2,6-Dinitrotoluene	ND		0.355	1	08/29/2024 03:21	WG2351751
Fluoranthene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Fluorene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Hexachlorobenzene	ND		0.355	1	08/29/2024 03:21	WG2351751
Hexachloro-1,3-butadiene	ND		0.355	1	08/29/2024 03:21	WG2351751
Hexachlorocyclopentadiene	ND		0.355	1	08/29/2024 03:21	WG2351751
Hexachloroethane	ND		0.355	1	08/29/2024 03:21	WG2351751
Indeno(1,2,3-cd)pyrene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Isophorone	ND		0.355	1	08/29/2024 03:21	WG2351751
Naphthalene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Nitrobenzene	ND		0.355	1	08/29/2024 03:21	WG2351751
n-Nitrosodimethylamine	ND		0.355	1	08/29/2024 03:21	WG2351751
n-Nitrosodiphenylamine	ND		0.355	1	08/29/2024 03:21	WG2351751
n-Nitrosodi-n-propylamine	ND		0.355	1	08/29/2024 03:21	WG2351751
Phenanthrene	ND		0.0355	1	08/29/2024 03:21	WG2351751
Benzylbutyl phthalate	ND		0.355	1	08/29/2024 03:21	WG2351751
Bis(2-ethylhexyl)phthalate	ND		0.355	1	08/29/2024 03:21	WG2351751
Di-n-butyl phthalate	ND		0.355	1	08/29/2024 03:21	WG2351751
Diethyl phthalate	ND		0.355	1	08/29/2024 03:21	WG2351751
Dimethyl phthalate	ND		0.355	1	08/29/2024 03:21	WG2351751
Di-n-octyl phthalate	ND		0.355	1	08/29/2024 03:21	WG2351751
Pyrene	ND		0.0355	1	08/29/2024 03:21	WG2351751
1,2,4-Trichlorobenzene	ND		0.355	1	08/29/2024 03:21	WG2351751
4-Chloro-3-methylphenol	ND		0.355	1	08/29/2024 03:21	WG2351751
2-Chlorophenol	ND		0.355	1	08/29/2024 03:21	WG2351751
2,4-Dichlorophenol	ND		0.355	1	08/29/2024 03:21	WG2351751
2,4-Dimethylphenol	ND		0.355	1	08/29/2024 03:21	WG2351751
4,6-Dinitro-2-methylphenol	ND		0.355	1	08/29/2024 03:21	WG2351751
2,4-Dinitrophenol	ND		0.355	1	08/29/2024 03:21	WG2351751

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.355	1	08/29/2024 03:21	WG2351751
3&4-Methyl Phenol	ND		0.355	1	08/29/2024 03:21	WG2351751
2-Nitrophenol	ND		0.355	1	08/29/2024 03:21	WG2351751
4-Nitrophenol	ND		0.355	1	08/29/2024 03:21	WG2351751
Pentachlorophenol	ND		0.355	1	08/29/2024 03:21	WG2351751
Pyridine	ND		0.355	1	08/29/2024 03:21	WG2351751
2,4,5-Trichlorophenol	ND		0.355	1	08/29/2024 03:21	WG2351751
2,4,6-Trichlorophenol	ND		0.355	1	08/29/2024 03:21	WG2351751
Phenol	ND		0.355	1	08/29/2024 03:21	WG2351751
(S) 2-Fluorophenol	*35.3*		*12.0-120*		*08/29/2024 03:21*	WG2351751
(S) Phenol-d5	*37.3*		*10.0-120*		*08/29/2024 03:21*	WG2351751
(S) Nitrobenzene-d5	*30.3*		*10.0-122*		*08/29/2024 03:21*	WG2351751
(S) 2-Fluorobiphenyl	*33.3*		*15.0-120*		*08/29/2024 03:21*	WG2351751
(S) 2,4,6-Tribromophenol	*45.6*		*10.0-127*		*08/29/2024 03:21*	WG2351751
(S) p-Terphenyl-d14	*56.4*		*10.0-120*		*08/29/2024 03:21*	WG2351751

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	08/24/2024 12:31	WG2349708

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0422	1	08/25/2024 17:32	WG2349632

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.11	1	08/30/2024 12:34	WG2349881
Arsenic	ND		2.11	1	08/30/2024 12:34	WG2349881
Barium	55.9		0.528	1	08/30/2024 12:34	WG2349881
Beryllium	0.212		0.211	1	08/30/2024 12:34	WG2349881
Cadmium	ND		0.528	1	08/30/2024 12:34	WG2349881
Chromium	2.80		1.06	1	08/30/2024 12:34	WG2349881
Cobalt	1.77		1.06	1	08/30/2024 12:34	WG2349881
Copper	5.16		2.11	1	08/30/2024 12:34	WG2349881
Lead	4.75		0.528	1	08/30/2024 12:34	WG2349881
Molybdenum	ND		0.528	1	08/30/2024 12:34	WG2349881
Nickel	2.71		2.11	1	08/30/2024 12:34	WG2349881
Selenium	ND		2.11	1	08/30/2024 12:34	WG2349881
Silver	ND		1.06	1	08/30/2024 12:34	WG2349881
Thallium	ND		2.11	1	08/30/2024 12:34	WG2349881
Vanadium	5.75		2.11	1	08/30/2024 12:34	WG2349881
Zinc	17.1		5.28	1	08/30/2024 12:34	WG2349881

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		3.29	29.8	09/04/2024 01:35	WG2355529
(S) a,a,a-Trifluorotoluene(FID)	*99.0*		*77.0-120*		*09/04/2024 01:35*	WG2355529

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0656	1.19	08/26/2024 17:17	WG2350511
Acrylonitrile	ND		0.0164	1.19	08/26/2024 17:17	WG2350511
Benzene	ND		0.00131	1.19	08/26/2024 17:17	WG2350511
Bromobenzene	ND		0.0164	1.19	08/26/2024 17:17	WG2350511
Bromodichloromethane	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
Bromoform	ND		0.0328	1.19	08/26/2024 17:17	WG2350511
Bromomethane	ND		0.0164	1.19	08/26/2024 17:17	WG2350511
n-Butylbenzene	ND		0.0164	1.19	08/26/2024 17:17	WG2350511
sec-Butylbenzene	ND		0.0164	1.19	08/26/2024 17:17	WG2350511
tert-Butylbenzene	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
Carbon tetrachloride	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
Chlorobenzene	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
Chlorodibromomethane	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
Chloroethane	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
Chloroform	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
Chloromethane	ND		0.0164	1.19	08/26/2024 17:17	WG2350511
2-Chlorotoluene	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
4-Chlorotoluene	ND		0.00656	1.19	08/26/2024 17:17	WG2350511

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND	J3	0.0328	1.19	08/26/2024 17:17	WG2350511
1,2-Dibromoethane	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
Dibromomethane	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
1,2-Dichlorobenzene	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
1,3-Dichlorobenzene	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
1,4-Dichlorobenzene	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
Dichlorodifluoromethane	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
1,1-Dichloroethane	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
1,2-Dichloroethane	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
1,1-Dichloroethene	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
cis-1,2-Dichloroethene	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
trans-1,2-Dichloroethene	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
1,2-Dichloropropane	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
1,1-Dichloropropene	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
1,3-Dichloropropane	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
cis-1,3-Dichloropropene	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
trans-1,3-Dichloropropene	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
2,2-Dichloropropane	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
Di-isopropyl ether	ND		0.00131	1.19	08/26/2024 17:17	WG2350511
Ethylbenzene	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
Hexachloro-1,3-butadiene	ND		0.0328	1.19	08/26/2024 17:17	WG2350511
Isopropylbenzene	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
p-Isopropyltoluene	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
2-Butanone (MEK)	ND		0.131	1.19	08/26/2024 17:17	WG2350511
Methylene Chloride	0.0595		0.0328	1.19	08/26/2024 17:17	WG2350511
4-Methyl-2-pentanone (MIBK)	ND		0.0328	1.19	08/26/2024 17:17	WG2350511
Methyl tert-butyl ether	ND		0.00131	1.19	08/26/2024 17:17	WG2350511
Naphthalene	ND		0.0164	1.19	08/26/2024 17:17	WG2350511
n-Propylbenzene	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
Styrene	ND		0.0164	1.19	08/26/2024 17:17	WG2350511
1,1,1,2-Tetrachloroethane	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
1,1,2,2-Tetrachloroethane	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
1,1,2-Trichlorotrifluoroethane	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
Tetrachloroethene	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
Toluene	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
1,2,3-Trichlorobenzene	ND		0.0164	1.19	08/26/2024 17:17	WG2350511
1,2,4-Trichlorobenzene	ND		0.0164	1.19	08/26/2024 17:17	WG2350511
1,1,1-Trichloroethane	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
1,1,2-Trichloroethane	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
Trichloroethene	ND		0.00131	1.19	08/26/2024 17:17	WG2350511
Trichlorofluoromethane	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
1,2,3-Trichloropropane	ND		0.0164	1.19	08/26/2024 17:17	WG2350511
1,2,4-Trimethylbenzene	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
1,2,3-Trimethylbenzene	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
Vinyl chloride	ND		0.00328	1.19	08/26/2024 17:17	WG2350511
1,3,5-Trimethylbenzene	ND		0.00656	1.19	08/26/2024 17:17	WG2350511
Xylenes, Total	ND		0.00854	1.19	08/26/2024 17:17	WG2350511
(S) Toluene-d8	*92.9*		*75.0-131*		*08/26/2024 17:17*	WG2350511
(S) 4-Bromofluorobenzene	*91.4*		*67.0-138*		*08/26/2024 17:17*	WG2350511
(S) 1,2-Dichloroethane-d4	*83.3*		*70.0-130*		*08/26/2024 17:17*	WG2350511

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.22	1	08/25/2024 02:06	WG2349672
C22-C32 Hydrocarbons	ND		4.22	1	08/25/2024 02:06	WG2349672
C32-C40 Hydrocarbons	ND		4.22	1	08/25/2024 02:06	WG2349672
(S) o-Terphenyl	*60.4*		*18.0-148*		*08/25/2024 02:06*	WG2349672

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Acenaphthylene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Anthracene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Benzidine	ND		1.76	1	08/29/2024 15:46	WG2351751
Benzo(a)anthracene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Benzo(b)fluoranthene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Benzo(k)fluoranthene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Benzo(g,h,i)perylene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Benzo(a)pyrene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Bis(2-chlorethoxy)methane	ND		0.352	1	08/29/2024 15:46	WG2351751
Bis(2-chloroethyl)ether	ND		0.352	1	08/29/2024 15:46	WG2351751
2,2-Oxybis(1-Chloropropane)	ND		0.352	1	08/29/2024 15:46	WG2351751
4-Bromophenyl-phenylether	ND		0.352	1	08/29/2024 15:46	WG2351751
2-Chloronaphthalene	ND		0.0352	1	08/29/2024 15:46	WG2351751
4-Chlorophenyl-phenylether	ND		0.352	1	08/29/2024 15:46	WG2351751
Chrysene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Dibenz(a,h)anthracene	ND		0.0352	1	08/29/2024 15:46	WG2351751
3,3-Dichlorobenzidine	ND		0.352	1	08/29/2024 15:46	WG2351751
2,4-Dinitrotoluene	ND		0.352	1	08/29/2024 15:46	WG2351751
2,6-Dinitrotoluene	ND		0.352	1	08/29/2024 15:46	WG2351751
Fluoranthene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Fluorene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Hexachlorobenzene	ND		0.352	1	08/29/2024 15:46	WG2351751
Hexachloro-1,3-butadiene	ND		0.352	1	08/29/2024 15:46	WG2351751
Hexachlorocyclopentadiene	ND		0.352	1	08/29/2024 15:46	WG2351751
Hexachloroethane	ND		0.352	1	08/29/2024 15:46	WG2351751
Indeno(1,2,3-cd)pyrene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Isophorone	ND		0.352	1	08/29/2024 15:46	WG2351751
Naphthalene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Nitrobenzene	ND		0.352	1	08/29/2024 15:46	WG2351751
n-Nitrosodimethylamine	ND		0.352	1	08/29/2024 15:46	WG2351751
n-Nitrosodiphenylamine	ND		0.352	1	08/29/2024 15:46	WG2351751
n-Nitrosodi-n-propylamine	ND		0.352	1	08/29/2024 15:46	WG2351751
Phenanthrene	ND		0.0352	1	08/29/2024 15:46	WG2351751
Benzylbutyl phthalate	ND		0.352	1	08/29/2024 15:46	WG2351751
Bis(2-ethylhexyl)phthalate	ND		0.352	1	08/29/2024 15:46	WG2351751
Di-n-butyl phthalate	ND		0.352	1	08/29/2024 15:46	WG2351751
Diethyl phthalate	ND		0.352	1	08/29/2024 15:46	WG2351751
Dimethyl phthalate	ND		0.352	1	08/29/2024 15:46	WG2351751
Di-n-octyl phthalate	ND		0.352	1	08/29/2024 15:46	WG2351751
Pyrene	ND		0.0352	1	08/29/2024 15:46	WG2351751
1,2,4-Trichlorobenzene	ND		0.352	1	08/29/2024 15:46	WG2351751
4-Chloro-3-methylphenol	ND		0.352	1	08/29/2024 15:46	WG2351751
2-Chlorophenol	ND		0.352	1	08/29/2024 15:46	WG2351751
2,4-Dichlorophenol	ND		0.352	1	08/29/2024 15:46	WG2351751
2,4-Dimethylphenol	ND		0.352	1	08/29/2024 15:46	WG2351751
4,6-Dinitro-2-methylphenol	ND		0.352	1	08/29/2024 15:46	WG2351751
2,4-Dinitrophenol	ND		0.352	1	08/29/2024 15:46	WG2351751

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.352	1	08/29/2024 15:46	WG2351751
3&4-Methyl Phenol	ND		0.352	1	08/29/2024 15:46	WG2351751
2-Nitrophenol	ND		0.352	1	08/29/2024 15:46	WG2351751
4-Nitrophenol	ND		0.352	1	08/29/2024 15:46	WG2351751
Pentachlorophenol	ND		0.352	1	08/29/2024 15:46	WG2351751
Pyridine	ND		0.352	1	08/29/2024 15:46	WG2351751
2,4,5-Trichlorophenol	ND		0.352	1	08/29/2024 15:46	WG2351751
2,4,6-Trichlorophenol	ND		0.352	1	08/29/2024 15:46	WG2351751
Phenol	ND		0.352	1	08/29/2024 15:46	WG2351751
(S) 2-Fluorophenol	*25.7*		*12.0-120*		*08/29/2024 15:46*	WG2351751
(S) Phenol-d5	*26.3*		*10.0-120*		*08/29/2024 15:46*	WG2351751
(S) Nitrobenzene-d5	*19.0*		*10.0-122*		*08/29/2024 15:46*	WG2351751
(S) 2-Fluorobiphenyl	*22.2*		*15.0-120*		*08/29/2024 15:46*	WG2351751
(S) 2,4,6-Tribromophenol	*48.5*		*10.0-127*		*08/29/2024 15:46*	WG2351751
(S) p-Terphenyl-d14	*62.5*		*10.0-120*		*08/29/2024 15:46*	WG2351751

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.3		1	08/24/2024 12:31	WG2349708

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0415	1	08/25/2024 17:35	WG2349632

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.08	1	08/30/2024 12:36	WG2349881
Arsenic	ND		2.08	1	08/30/2024 12:36	WG2349881
Barium	63.3		0.519	1	08/30/2024 12:36	WG2349881
Beryllium	ND		0.208	1	08/30/2024 12:36	WG2349881
Cadmium	ND		0.519	1	08/30/2024 12:36	WG2349881
Chromium	2.61		1.04	1	08/30/2024 12:36	WG2349881
Cobalt	1.58		1.04	1	08/30/2024 12:36	WG2349881
Copper	4.81		2.08	1	08/30/2024 12:36	WG2349881
Lead	8.88		0.519	1	08/30/2024 12:36	WG2349881
Molybdenum	ND		0.519	1	08/30/2024 12:36	WG2349881
Nickel	2.37		2.08	1	08/30/2024 12:36	WG2349881
Selenium	ND		2.08	1	08/30/2024 12:36	WG2349881
Silver	ND		1.04	1	08/30/2024 12:36	WG2349881
Thallium	ND		2.08	1	08/30/2024 12:36	WG2349881
Vanadium	6.43		2.08	1	08/30/2024 12:36	WG2349881
Zinc	14.4		5.19	1	08/30/2024 12:36	WG2349881

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		3.24	30.3	09/04/2024 01:59	WG2355529
(S) a,a,a-Trifluorotoluene(FID)	*98.1*		*77.0-120*		*09/04/2024 01:59*	WG2355529

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0648	1.21	08/26/2024 17:39	WG2350511
Acrylonitrile	ND		0.0162	1.21	08/26/2024 17:39	WG2350511
Benzene	ND		0.00130	1.21	08/26/2024 17:39	WG2350511
Bromobenzene	ND		0.0162	1.21	08/26/2024 17:39	WG2350511
Bromodichloromethane	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
Bromoform	ND		0.0324	1.21	08/26/2024 17:39	WG2350511
Bromomethane	ND		0.0162	1.21	08/26/2024 17:39	WG2350511
n-Butylbenzene	ND		0.0162	1.21	08/26/2024 17:39	WG2350511
sec-Butylbenzene	ND		0.0162	1.21	08/26/2024 17:39	WG2350511
tert-Butylbenzene	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
Carbon tetrachloride	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
Chlorobenzene	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
Chlorodibromomethane	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
Chloroethane	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
Chloroform	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
Chloromethane	ND		0.0162	1.21	08/26/2024 17:39	WG2350511
2-Chlorotoluene	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
4-Chlorotoluene	ND		0.00648	1.21	08/26/2024 17:39	WG2350511

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND	J3	0.0324	1.21	08/26/2024 17:39	WG2350511
1,2-Dibromoethane	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
Dibromomethane	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
1,2-Dichlorobenzene	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
1,3-Dichlorobenzene	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
1,4-Dichlorobenzene	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
Dichlorodifluoromethane	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
1,1-Dichloroethane	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
1,2-Dichloroethane	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
1,1-Dichloroethene	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
cis-1,2-Dichloroethene	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
trans-1,2-Dichloroethene	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
1,2-Dichloropropane	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
1,1-Dichloropropene	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
1,3-Dichloropropane	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
cis-1,3-Dichloropropene	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
trans-1,3-Dichloropropene	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
2,2-Dichloropropane	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
Di-isopropyl ether	ND		0.00130	1.21	08/26/2024 17:39	WG2350511
Ethylbenzene	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
Hexachloro-1,3-butadiene	ND		0.0324	1.21	08/26/2024 17:39	WG2350511
Isopropylbenzene	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
p-Isopropyltoluene	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
2-Butanone (MEK)	ND		0.130	1.21	08/26/2024 17:39	WG2350511
Methylene Chloride	0.0863		0.0324	1.21	08/26/2024 17:39	WG2350511
4-Methyl-2-pentanone (MIBK)	ND		0.0324	1.21	08/26/2024 17:39	WG2350511
Methyl tert-butyl ether	ND		0.00130	1.21	08/26/2024 17:39	WG2350511
Naphthalene	ND		0.0162	1.21	08/26/2024 17:39	WG2350511
n-Propylbenzene	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
Styrene	ND		0.0162	1.21	08/26/2024 17:39	WG2350511
1,1,1,2-Tetrachloroethane	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
1,1,2,2-Tetrachloroethane	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
1,1,2-Trichlorotrifluoroethane	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
Tetrachloroethene	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
Toluene	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
1,2,3-Trichlorobenzene	ND		0.0162	1.21	08/26/2024 17:39	WG2350511
1,2,4-Trichlorobenzene	ND		0.0162	1.21	08/26/2024 17:39	WG2350511
1,1,1-Trichloroethane	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
1,1,2-Trichloroethane	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
Trichloroethene	ND		0.00130	1.21	08/26/2024 17:39	WG2350511
Trichlorofluoromethane	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
1,2,3-Trichloropropane	ND		0.0162	1.21	08/26/2024 17:39	WG2350511
1,2,4-Trimethylbenzene	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
1,2,3-Trimethylbenzene	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
Vinyl chloride	ND		0.00324	1.21	08/26/2024 17:39	WG2350511
1,3,5-Trimethylbenzene	ND		0.00648	1.21	08/26/2024 17:39	WG2350511
Xylenes, Total	ND		0.00841	1.21	08/26/2024 17:39	WG2350511
(S) Toluene-d8	*94.0*		*75.0-131*		*08/26/2024 17:39*	WG2350511
(S) 4-Bromofluorobenzene	*96.3*		*67.0-138*		*08/26/2024 17:39*	WG2350511
(S) 1,2-Dichloroethane-d4	*84.5*		*70.0-130*		*08/26/2024 17:39*	WG2350511

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.15	1	08/25/2024 02:21	WG2349672
C22-C32 Hydrocarbons	ND		4.15	1	08/25/2024 02:21	WG2349672
C32-C40 Hydrocarbons	ND		4.15	1	08/25/2024 02:21	WG2349672
(S) o-Terphenyl	*56.5*		*18.0-148*		*08/25/2024 02:21*	WG2349672

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Acenaphthylene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Anthracene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Benzidine	ND		1.73	1	08/29/2024 16:08	WG2351751
Benzo(a)anthracene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Benzo(b)fluoranthene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Benzo(k)fluoranthene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Benzo(g,h,i)perylene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Benzo(a)pyrene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Bis(2-chlorethoxy)methane	ND		0.346	1	08/29/2024 16:08	WG2351751
Bis(2-chloroethyl)ether	ND		0.346	1	08/29/2024 16:08	WG2351751
2,2-Oxybis(1-Chloropropane)	ND		0.346	1	08/29/2024 16:08	WG2351751
4-Bromophenyl-phenylether	ND		0.346	1	08/29/2024 16:08	WG2351751
2-Chloronaphthalene	ND		0.0346	1	08/29/2024 16:08	WG2351751
4-Chlorophenyl-phenylether	ND		0.346	1	08/29/2024 16:08	WG2351751
Chrysene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Dibenz(a,h)anthracene	ND		0.0346	1	08/29/2024 16:08	WG2351751
3,3-Dichlorobenzidine	ND		0.346	1	08/29/2024 16:08	WG2351751
2,4-Dinitrotoluene	ND		0.346	1	08/29/2024 16:08	WG2351751
2,6-Dinitrotoluene	ND		0.346	1	08/29/2024 16:08	WG2351751
Fluoranthene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Fluorene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Hexachlorobenzene	ND		0.346	1	08/29/2024 16:08	WG2351751
Hexachloro-1,3-butadiene	ND		0.346	1	08/29/2024 16:08	WG2351751
Hexachlorocyclopentadiene	ND		0.346	1	08/29/2024 16:08	WG2351751
Hexachloroethane	ND		0.346	1	08/29/2024 16:08	WG2351751
Indeno(1,2,3-cd)pyrene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Isophorone	ND		0.346	1	08/29/2024 16:08	WG2351751
Naphthalene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Nitrobenzene	ND		0.346	1	08/29/2024 16:08	WG2351751
n-Nitrosodimethylamine	ND		0.346	1	08/29/2024 16:08	WG2351751
n-Nitrosodiphenylamine	ND		0.346	1	08/29/2024 16:08	WG2351751
n-Nitrosodi-n-propylamine	ND		0.346	1	08/29/2024 16:08	WG2351751
Phenanthrene	ND		0.0346	1	08/29/2024 16:08	WG2351751
Benzylbutyl phthalate	ND		0.346	1	08/29/2024 16:08	WG2351751
Bis(2-ethylhexyl)phthalate	ND		0.346	1	08/29/2024 16:08	WG2351751
Di-n-butyl phthalate	ND		0.346	1	08/29/2024 16:08	WG2351751
Diethyl phthalate	ND		0.346	1	08/29/2024 16:08	WG2351751
Dimethyl phthalate	ND		0.346	1	08/29/2024 16:08	WG2351751
Di-n-octyl phthalate	ND		0.346	1	08/29/2024 16:08	WG2351751
Pyrene	ND		0.0346	1	08/29/2024 16:08	WG2351751
1,2,4-Trichlorobenzene	ND		0.346	1	08/29/2024 16:08	WG2351751
4-Chloro-3-methylphenol	ND		0.346	1	08/29/2024 16:08	WG2351751
2-Chlorophenol	ND		0.346	1	08/29/2024 16:08	WG2351751
2,4-Dichlorophenol	ND		0.346	1	08/29/2024 16:08	WG2351751
2,4-Dimethylphenol	ND		0.346	1	08/29/2024 16:08	WG2351751
4,6-Dinitro-2-methylphenol	ND		0.346	1	08/29/2024 16:08	WG2351751
2,4-Dinitrophenol	ND		0.346	1	08/29/2024 16:08	WG2351751

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.346	1	08/29/2024 16:08	WG2351751
3&4-Methyl Phenol	ND		0.346	1	08/29/2024 16:08	WG2351751
2-Nitrophenol	ND		0.346	1	08/29/2024 16:08	WG2351751
4-Nitrophenol	ND		0.346	1	08/29/2024 16:08	WG2351751
Pentachlorophenol	ND		0.346	1	08/29/2024 16:08	WG2351751
Pyridine	ND		0.346	1	08/29/2024 16:08	WG2351751
2,4,5-Trichlorophenol	ND		0.346	1	08/29/2024 16:08	WG2351751
2,4,6-Trichlorophenol	ND		0.346	1	08/29/2024 16:08	WG2351751
Phenol	ND		0.346	1	08/29/2024 16:08	WG2351751
(S) 2-Fluorophenol	*46.9*		*12.0-120*		*08/29/2024 16:08*	WG2351751
(S) Phenol-d5	*46.0*		*10.0-120*		*08/29/2024 16:08*	WG2351751
(S) Nitrobenzene-d5	*38.5*		*10.0-122*		*08/29/2024 16:08*	WG2351751
(S) 2-Fluorobiphenyl	*41.6*		*15.0-120*		*08/29/2024 16:08*	WG2351751
(S) 2,4,6-Tribromophenol	*61.5*		*10.0-127*		*08/29/2024 16:08*	WG2351751
(S) p-Terphenyl-d14	*73.1*		*10.0-120*		*08/29/2024 16:08*	WG2351751

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.9		1	08/24/2024 12:31	WG2349708

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0495	1	08/25/2024 17:52	WG2349632

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.47	1	08/30/2024 12:38	WG2349881
Arsenic	ND		2.47	1	08/30/2024 12:38	WG2349881
Barium	29.3		0.618	1	08/30/2024 12:38	WG2349881
Beryllium	ND		0.247	1	08/30/2024 12:38	WG2349881
Cadmium	ND		0.618	1	08/30/2024 12:38	WG2349881
Chromium	3.24		1.24	1	08/30/2024 12:38	WG2349881
Cobalt	1.93		1.24	1	08/30/2024 12:38	WG2349881
Copper	3.15		2.47	1	08/30/2024 12:38	WG2349881
Lead	2.92		0.618	1	08/30/2024 12:38	WG2349881
Molybdenum	0.630		0.618	1	08/30/2024 12:38	WG2349881
Nickel	2.66		2.47	1	08/30/2024 12:38	WG2349881
Selenium	ND		2.47	1	08/30/2024 12:38	WG2349881
Silver	ND		1.24	1	08/30/2024 12:38	WG2349881
Thallium	ND		2.47	1	08/30/2024 12:38	WG2349881
Vanadium	7.80		2.47	1	08/30/2024 12:38	WG2349881
Zinc	9.62		6.18	1	08/30/2024 12:38	WG2349881

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		4.92	35	09/04/2024 02:22	WG2355529
(S) a,a,a-Trifluorotoluene(FID)	*98.1*		*77.0-120*		*09/04/2024 02:22*	WG2355529

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0984	1.4	08/26/2024 18:01	WG2350511
Acrylonitrile	ND		0.0246	1.4	08/26/2024 18:01	WG2350511
Benzene	ND		0.00197	1.4	08/26/2024 18:01	WG2350511
Bromobenzene	ND		0.0246	1.4	08/26/2024 18:01	WG2350511
Bromodichloromethane	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
Bromoform	ND		0.0492	1.4	08/26/2024 18:01	WG2350511
Bromomethane	ND		0.0246	1.4	08/26/2024 18:01	WG2350511
n-Butylbenzene	ND		0.0246	1.4	08/26/2024 18:01	WG2350511
sec-Butylbenzene	ND		0.0246	1.4	08/26/2024 18:01	WG2350511
tert-Butylbenzene	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
Carbon tetrachloride	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
Chlorobenzene	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
Chlorodibromomethane	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
Chloroethane	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
Chloroform	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
Chloromethane	ND		0.0246	1.4	08/26/2024 18:01	WG2350511
2-Chlorotoluene	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
4-Chlorotoluene	ND		0.00984	1.4	08/26/2024 18:01	WG2350511

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND	J3	0.0492	1.4	08/26/2024 18:01	WG2350511
1,2-Dibromoethane	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
Dibromomethane	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
1,2-Dichlorobenzene	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
1,3-Dichlorobenzene	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
1,4-Dichlorobenzene	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
Dichlorodifluoromethane	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
1,1-Dichloroethane	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
1,2-Dichloroethane	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
1,1-Dichloroethene	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
cis-1,2-Dichloroethene	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
trans-1,2-Dichloroethene	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
1,2-Dichloropropane	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
1,1-Dichloropropene	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
1,3-Dichloropropane	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
cis-1,3-Dichloropropene	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
trans-1,3-Dichloropropene	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
2,2-Dichloropropane	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
Di-isopropyl ether	ND		0.00197	1.4	08/26/2024 18:01	WG2350511
Ethylbenzene	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
Hexachloro-1,3-butadiene	ND		0.0492	1.4	08/26/2024 18:01	WG2350511
Isopropylbenzene	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
p-Isopropyltoluene	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
2-Butanone (MEK)	ND		0.197	1.4	08/26/2024 18:01	WG2350511
Methylene Chloride	0.204		0.0492	1.4	08/26/2024 18:01	WG2350511
4-Methyl-2-pentanone (MIBK)	ND		0.0492	1.4	08/26/2024 18:01	WG2350511
Methyl tert-butyl ether	ND		0.00197	1.4	08/26/2024 18:01	WG2350511
Naphthalene	ND		0.0246	1.4	08/26/2024 18:01	WG2350511
n-Propylbenzene	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
Styrene	ND		0.0246	1.4	08/26/2024 18:01	WG2350511
1,1,1,2-Tetrachloroethane	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
1,1,2,2-Tetrachloroethane	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
1,1,2-Trichlorotrifluoroethane	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
Tetrachloroethene	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
Toluene	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
1,2,3-Trichlorobenzene	ND		0.0246	1.4	08/26/2024 18:01	WG2350511
1,2,4-Trichlorobenzene	ND		0.0246	1.4	08/26/2024 18:01	WG2350511
1,1,1-Trichloroethane	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
1,1,2-Trichloroethane	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
Trichloroethene	ND		0.00197	1.4	08/26/2024 18:01	WG2350511
Trichlorofluoromethane	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
1,2,3-Trichloropropane	ND		0.0246	1.4	08/26/2024 18:01	WG2350511
1,2,4-Trimethylbenzene	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
1,2,3-Trimethylbenzene	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
Vinyl chloride	ND		0.00492	1.4	08/26/2024 18:01	WG2350511
1,3,5-Trimethylbenzene	ND		0.00984	1.4	08/26/2024 18:01	WG2350511
Xylenes, Total	ND		0.0128	1.4	08/26/2024 18:01	WG2350511
(S) Toluene-d8	*93.9*		*75.0-131*		*08/26/2024 18:01*	WG2350511
(S) 4-Bromofluorobenzene	*92.9*		*67.0-138*		*08/26/2024 18:01*	WG2350511
(S) 1,2-Dichloroethane-d4	*84.1*		*70.0-130*		*08/26/2024 18:01*	WG2350511

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.95	1	08/25/2024 01:08	WG2349672
C22-C32 Hydrocarbons	ND		4.95	1	08/25/2024 01:08	WG2349672
C32-C40 Hydrocarbons	ND		4.95	1	08/25/2024 01:08	WG2349672
(S) o-Terphenyl	*54.4*		*18.0-148*		*08/25/2024 01:08*	WG2349672

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Acenaphthylene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Anthracene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Benzidine	ND		2.07	1	08/29/2024 03:42	WG2351751
Benzo(a)anthracene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Benzo(b)fluoranthene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Benzo(k)fluoranthene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Benzo(g,h,i)perylene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Benzo(a)pyrene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Bis(2-chlorethoxy)methane	ND		0.412	1	08/29/2024 03:42	WG2351751
Bis(2-chloroethyl)ether	ND		0.412	1	08/29/2024 03:42	WG2351751
2,2-Oxybis(1-Chloropropane)	ND		0.412	1	08/29/2024 03:42	WG2351751
4-Bromophenyl-phenylether	ND		0.412	1	08/29/2024 03:42	WG2351751
2-Chloronaphthalene	ND		0.0412	1	08/29/2024 03:42	WG2351751
4-Chlorophenyl-phenylether	ND		0.412	1	08/29/2024 03:42	WG2351751
Chrysene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Dibenz(a,h)anthracene	ND		0.0412	1	08/29/2024 03:42	WG2351751
3,3-Dichlorobenzidine	ND		0.412	1	08/29/2024 03:42	WG2351751
2,4-Dinitrotoluene	ND		0.412	1	08/29/2024 03:42	WG2351751
2,6-Dinitrotoluene	ND		0.412	1	08/29/2024 03:42	WG2351751
Fluoranthene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Fluorene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Hexachlorobenzene	ND		0.412	1	08/29/2024 03:42	WG2351751
Hexachloro-1,3-butadiene	ND		0.412	1	08/29/2024 03:42	WG2351751
Hexachlorocyclopentadiene	ND		0.412	1	08/29/2024 03:42	WG2351751
Hexachloroethane	ND		0.412	1	08/29/2024 03:42	WG2351751
Indeno(1,2,3-cd)pyrene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Isophorone	ND		0.412	1	08/29/2024 03:42	WG2351751
Naphthalene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Nitrobenzene	ND		0.412	1	08/29/2024 03:42	WG2351751
n-Nitrosodimethylamine	ND		0.412	1	08/29/2024 03:42	WG2351751
n-Nitrosodiphenylamine	ND		0.412	1	08/29/2024 03:42	WG2351751
n-Nitrosodi-n-propylamine	ND		0.412	1	08/29/2024 03:42	WG2351751
Phenanthrene	ND		0.0412	1	08/29/2024 03:42	WG2351751
Benzylbutyl phthalate	ND		0.412	1	08/29/2024 03:42	WG2351751
Bis(2-ethylhexyl)phthalate	ND		0.412	1	08/29/2024 03:42	WG2351751
Di-n-butyl phthalate	ND		0.412	1	08/29/2024 03:42	WG2351751
Diethyl phthalate	ND		0.412	1	08/29/2024 03:42	WG2351751
Dimethyl phthalate	ND		0.412	1	08/29/2024 03:42	WG2351751
Di-n-octyl phthalate	ND		0.412	1	08/29/2024 03:42	WG2351751
Pyrene	ND		0.0412	1	08/29/2024 03:42	WG2351751
1,2,4-Trichlorobenzene	ND		0.412	1	08/29/2024 03:42	WG2351751
4-Chloro-3-methylphenol	ND		0.412	1	08/29/2024 03:42	WG2351751
2-Chlorophenol	ND		0.412	1	08/29/2024 03:42	WG2351751
2,4-Dichlorophenol	ND		0.412	1	08/29/2024 03:42	WG2351751
2,4-Dimethylphenol	ND		0.412	1	08/29/2024 03:42	WG2351751
4,6-Dinitro-2-methylphenol	ND		0.412	1	08/29/2024 03:42	WG2351751
2,4-Dinitrophenol	ND		0.412	1	08/29/2024 03:42	WG2351751

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.412	1	08/29/2024 03:42	WG2351751
3&4-Methyl Phenol	ND		0.412	1	08/29/2024 03:42	WG2351751
2-Nitrophenol	ND		0.412	1	08/29/2024 03:42	WG2351751
4-Nitrophenol	ND		0.412	1	08/29/2024 03:42	WG2351751
Pentachlorophenol	ND		0.412	1	08/29/2024 03:42	WG2351751
Pyridine	ND		0.412	1	08/29/2024 03:42	WG2351751
2,4,5-Trichlorophenol	ND		0.412	1	08/29/2024 03:42	WG2351751
2,4,6-Trichlorophenol	ND		0.412	1	08/29/2024 03:42	WG2351751
Phenol	ND		0.412	1	08/29/2024 03:42	WG2351751
(S) 2-Fluorophenol	*27.6*		*12.0-120*		*08/29/2024 03:42*	WG2351751
(S) Phenol-d5	*31.3*		*10.0-120*		*08/29/2024 03:42*	WG2351751
(S) Nitrobenzene-d5	*27.0*		*10.0-122*		*08/29/2024 03:42*	WG2351751
(S) 2-Fluorobiphenyl	*26.3*		*15.0-120*		*08/29/2024 03:42*	WG2351751
(S) 2,4,6-Tribromophenol	*32.4*		*10.0-127*		*08/29/2024 03:42*	WG2351751
(S) p-Terphenyl-d14	*55.6*		*10.0-120*		*08/29/2024 03:42*	WG2351751

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.5		1	08/24/2024 12:31	WG2349708

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0510	1	08/25/2024 17:55	WG2349632

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.55	1	08/28/2024 17:35	WG2349883
Arsenic	8.09		2.55	1	08/28/2024 17:35	WG2349883
Barium	58.3	B	0.637	1	08/28/2024 17:35	WG2349883
Beryllium	0.440		0.255	1	08/28/2024 17:35	WG2349883
Cadmium	ND		0.637	1	08/28/2024 17:35	WG2349883
Chromium	4.92		1.27	1	08/28/2024 17:35	WG2349883
Cobalt	3.89		1.27	1	08/28/2024 17:35	WG2349883
Copper	6.44		2.55	1	08/28/2024 17:35	WG2349883
Lead	4.39		0.637	1	08/28/2024 17:35	WG2349883
Molybdenum	0.719		0.637	1	08/28/2024 17:35	WG2349883
Nickel	5.24		2.55	1	08/28/2024 17:35	WG2349883
Selenium	ND		2.55	1	08/28/2024 17:35	WG2349883
Silver	ND		1.27	1	08/28/2024 17:35	WG2349883
Thallium	ND		2.55	1	08/28/2024 17:35	WG2349883
Vanadium	17.3		2.55	1	08/28/2024 17:35	WG2349883
Zinc	44.7		6.37	1	08/28/2024 17:35	WG2349883

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		4.34	28.7	09/04/2024 03:56	WG2355529
(S) a,a,a-Trifluorotoluene(FID)	*98.7*		*77.0-120*		*09/04/2024 03:56*	WG2355529

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J4	0.0870	1.15	08/27/2024 13:38	WG2351186
Acrylonitrile	ND		0.0218	1.15	08/27/2024 13:38	WG2351186
Benzene	ND		0.00174	1.15	08/27/2024 13:38	WG2351186
Bromobenzene	ND		0.0218	1.15	08/27/2024 13:38	WG2351186
Bromodichloromethane	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
Bromoform	ND		0.0436	1.15	08/27/2024 13:38	WG2351186
Bromomethane	ND		0.0218	1.15	08/27/2024 13:38	WG2351186
n-Butylbenzene	ND	J3	0.0218	1.15	08/27/2024 13:38	WG2351186
sec-Butylbenzene	ND		0.0218	1.15	08/27/2024 13:38	WG2351186
tert-Butylbenzene	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
Carbon tetrachloride	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
Chlorobenzene	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
Chlorodibromomethane	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
Chloroethane	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
Chloroform	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
Chloromethane	ND		0.0218	1.15	08/27/2024 13:38	WG2351186
2-Chlorotoluene	ND	J3	0.00436	1.15	08/27/2024 13:38	WG2351186
4-Chlorotoluene	ND		0.00870	1.15	08/27/2024 13:38	WG2351186

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0436	1.15	08/27/2024 13:38	WG2351186
1,2-Dibromoethane	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
Dibromomethane	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
1,2-Dichlorobenzene	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
1,3-Dichlorobenzene	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
1,4-Dichlorobenzene	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
Dichlorodifluoromethane	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
1,1-Dichloroethane	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
1,2-Dichloroethane	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
1,1-Dichloroethene	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
cis-1,2-Dichloroethene	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
trans-1,2-Dichloroethene	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
1,2-Dichloropropane	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
1,1-Dichloropropene	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
1,3-Dichloropropane	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
cis-1,3-Dichloropropene	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
trans-1,3-Dichloropropene	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
2,2-Dichloropropane	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
Di-isopropyl ether	ND		0.00174	1.15	08/27/2024 13:38	WG2351186
Ethylbenzene	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
Hexachloro-1,3-butadiene	ND	J3	0.0436	1.15	08/27/2024 13:38	WG2351186
Isopropylbenzene	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
p-Isopropyltoluene	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
2-Butanone (MEK)	ND	J4	0.174	1.15	08/27/2024 13:38	WG2351186
Methylene Chloride	0.130	J3	0.0436	1.15	08/27/2024 13:38	WG2351186
4-Methyl-2-pentanone (MIBK)	ND		0.0436	1.15	08/27/2024 13:38	WG2351186
Methyl tert-butyl ether	ND		0.00174	1.15	08/27/2024 13:38	WG2351186
Naphthalene	ND		0.0218	1.15	08/27/2024 13:38	WG2351186
n-Propylbenzene	ND	J3	0.00870	1.15	08/27/2024 13:38	WG2351186
Styrene	ND	J3 J4	0.0218	1.15	08/27/2024 13:38	WG2351186
1,1,1,2-Tetrachloroethane	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
1,1,2,2-Tetrachloroethane	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
1,1,2-Trichlorotrifluoroethane	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
Tetrachloroethene	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
Toluene	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
1,2,3-Trichlorobenzene	ND		0.0218	1.15	08/27/2024 13:38	WG2351186
1,2,4-Trichlorobenzene	ND		0.0218	1.15	08/27/2024 13:38	WG2351186
1,1,1-Trichloroethane	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
1,1,2-Trichloroethane	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
Trichloroethene	ND		0.00174	1.15	08/27/2024 13:38	WG2351186
Trichlorofluoromethane	ND	J4	0.00436	1.15	08/27/2024 13:38	WG2351186
1,2,3-Trichloropropane	ND		0.0218	1.15	08/27/2024 13:38	WG2351186
1,2,4-Trimethylbenzene	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
1,2,3-Trimethylbenzene	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
Vinyl chloride	ND		0.00436	1.15	08/27/2024 13:38	WG2351186
1,3,5-Trimethylbenzene	ND		0.00870	1.15	08/27/2024 13:38	WG2351186
Xylenes, Total	ND		0.0113	1.15	08/27/2024 13:38	WG2351186
(S) Toluene-d8	*93.1*		*75.0-131*		*08/27/2024 13:38*	WG2351186
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*08/27/2024 13:38*	WG2351186
(S) 1,2-Dichloroethane-d4	*95.1*		*70.0-130*		*08/27/2024 13:38*	WG2351186

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		5.10	1	08/25/2024 00:54	WG2349672
C22-C32 Hydrocarbons	ND		5.10	1	08/25/2024 00:54	WG2349672
C32-C40 Hydrocarbons	ND		5.10	1	08/25/2024 00:54	WG2349672
(S) o-Terphenyl	*57.9*		*18.0-148*		*08/25/2024 00:54*	WG2349672

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Acenaphthylene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Anthracene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Benzidine	ND		2.13	1	08/29/2024 04:03	WG2351751
Benzo(a)anthracene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Benzo(b)fluoranthene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Benzo(k)fluoranthene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Benzo(g,h,i)perylene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Benzo(a)pyrene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Bis(2-chlorethoxy)methane	ND		0.424	1	08/29/2024 04:03	WG2351751
Bis(2-chloroethyl)ether	ND		0.424	1	08/29/2024 04:03	WG2351751
2,2-Oxybis(1-Chloropropane)	ND		0.424	1	08/29/2024 04:03	WG2351751
4-Bromophenyl-phenylether	ND		0.424	1	08/29/2024 04:03	WG2351751
2-Chloronaphthalene	ND		0.0424	1	08/29/2024 04:03	WG2351751
4-Chlorophenyl-phenylether	ND		0.424	1	08/29/2024 04:03	WG2351751
Chrysene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Dibenz(a,h)anthracene	ND		0.0424	1	08/29/2024 04:03	WG2351751
3,3-Dichlorobenzidine	ND		0.424	1	08/29/2024 04:03	WG2351751
2,4-Dinitrotoluene	ND		0.424	1	08/29/2024 04:03	WG2351751
2,6-Dinitrotoluene	ND		0.424	1	08/29/2024 04:03	WG2351751
Fluoranthene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Fluorene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Hexachlorobenzene	ND		0.424	1	08/29/2024 04:03	WG2351751
Hexachloro-1,3-butadiene	ND		0.424	1	08/29/2024 04:03	WG2351751
Hexachlorocyclopentadiene	ND		0.424	1	08/29/2024 04:03	WG2351751
Hexachloroethane	ND		0.424	1	08/29/2024 04:03	WG2351751
Indeno(1,2,3-cd)pyrene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Isophorone	ND		0.424	1	08/29/2024 04:03	WG2351751
Naphthalene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Nitrobenzene	ND		0.424	1	08/29/2024 04:03	WG2351751
n-Nitrosodimethylamine	ND		0.424	1	08/29/2024 04:03	WG2351751
n-Nitrosodiphenylamine	ND		0.424	1	08/29/2024 04:03	WG2351751
n-Nitrosodi-n-propylamine	ND		0.424	1	08/29/2024 04:03	WG2351751
Phenanthrene	ND		0.0424	1	08/29/2024 04:03	WG2351751
Benzylbutyl phthalate	ND		0.424	1	08/29/2024 04:03	WG2351751
Bis(2-ethylhexyl)phthalate	ND		0.424	1	08/29/2024 04:03	WG2351751
Di-n-butyl phthalate	ND		0.424	1	08/29/2024 04:03	WG2351751
Diethyl phthalate	ND		0.424	1	08/29/2024 04:03	WG2351751
Dimethyl phthalate	ND		0.424	1	08/29/2024 04:03	WG2351751
Di-n-octyl phthalate	ND		0.424	1	08/29/2024 04:03	WG2351751
Pyrene	ND		0.0424	1	08/29/2024 04:03	WG2351751
1,2,4-Trichlorobenzene	ND		0.424	1	08/29/2024 04:03	WG2351751
4-Chloro-3-methylphenol	ND		0.424	1	08/29/2024 04:03	WG2351751
2-Chlorophenol	ND		0.424	1	08/29/2024 04:03	WG2351751
2,4-Dichlorophenol	ND		0.424	1	08/29/2024 04:03	WG2351751
2,4-Dimethylphenol	ND		0.424	1	08/29/2024 04:03	WG2351751
4,6-Dinitro-2-methylphenol	ND		0.424	1	08/29/2024 04:03	WG2351751
2,4-Dinitrophenol	ND		0.424	1	08/29/2024 04:03	WG2351751

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.424	1	08/29/2024 04:03	WG2351751
3&4-Methyl Phenol	ND		0.424	1	08/29/2024 04:03	WG2351751
2-Nitrophenol	ND		0.424	1	08/29/2024 04:03	WG2351751
4-Nitrophenol	ND		0.424	1	08/29/2024 04:03	WG2351751
Pentachlorophenol	ND		0.424	1	08/29/2024 04:03	WG2351751
Pyridine	ND		0.424	1	08/29/2024 04:03	WG2351751
2,4,5-Trichlorophenol	ND		0.424	1	08/29/2024 04:03	WG2351751
2,4,6-Trichlorophenol	ND		0.424	1	08/29/2024 04:03	WG2351751
Phenol	ND		0.424	1	08/29/2024 04:03	WG2351751
(S) 2-Fluorophenol	*35.9*		*12.0-120*		*08/29/2024 04:03*	WG2351751
(S) Phenol-d5	*38.7*		*10.0-120*		*08/29/2024 04:03*	WG2351751
(S) Nitrobenzene-d5	*28.4*		*10.0-122*		*08/29/2024 04:03*	WG2351751
(S) 2-Fluorobiphenyl	*28.4*		*15.0-120*		*08/29/2024 04:03*	WG2351751
(S) 2,4,6-Tribromophenol	*37.0*		*10.0-127*		*08/29/2024 04:03*	WG2351751
(S) p-Terphenyl-d14	*44.1*		*10.0-120*		*08/29/2024 04:03*	WG2351751

DRAFT

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.9		1	08/24/2024 12:31	WG2349708

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0501	1	08/25/2024 17:57	WG2349632

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.50	1	08/28/2024 17:39	WG2349883
Arsenic	2.97		2.50	1	08/28/2024 17:39	WG2349883
Barium	56.4	B	0.626	1	08/28/2024 17:39	WG2349883
Beryllium	ND		0.250	1	08/28/2024 17:39	WG2349883
Cadmium	ND		0.626	1	08/28/2024 17:39	WG2349883
Chromium	4.84		1.25	1	08/28/2024 17:39	WG2349883
Cobalt	2.43		1.25	1	08/28/2024 17:39	WG2349883
Copper	5.97		2.50	1	08/28/2024 17:39	WG2349883
Lead	3.83		0.626	1	08/28/2024 17:39	WG2349883
Molybdenum	0.897		0.626	1	08/28/2024 17:39	WG2349883
Nickel	3.61		2.50	1	08/28/2024 17:39	WG2349883
Selenium	ND		2.50	1	08/28/2024 17:39	WG2349883
Silver	ND		1.25	1	08/28/2024 17:39	WG2349883
Thallium	ND		2.50	1	08/28/2024 17:39	WG2349883
Vanadium	13.7		2.50	1	08/28/2024 17:39	WG2349883
Zinc	14.8		6.26	1	08/28/2024 17:39	WG2349883

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		3.89	26	09/04/2024 04:19	WG2355529
(S) a,a,a-Trifluorotoluene(FID)	*98.2*		*77.0-120*		*09/04/2024 04:19*	WG2355529

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J4	0.0777	1.04	08/27/2024 13:57	WG2351186
Acrylonitrile	ND		0.0194	1.04	08/27/2024 13:57	WG2351186
Benzene	ND		0.00155	1.04	08/27/2024 13:57	WG2351186
Bromobenzene	ND		0.0194	1.04	08/27/2024 13:57	WG2351186
Bromodichloromethane	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
Bromoform	ND		0.0389	1.04	08/27/2024 13:57	WG2351186
Bromomethane	ND		0.0194	1.04	08/27/2024 13:57	WG2351186
n-Butylbenzene	ND	J3	0.0194	1.04	08/27/2024 13:57	WG2351186
sec-Butylbenzene	ND		0.0194	1.04	08/27/2024 13:57	WG2351186
tert-Butylbenzene	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
Carbon tetrachloride	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
Chlorobenzene	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
Chlorodibromomethane	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
Chloroethane	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
Chloroform	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
Chloromethane	ND		0.0194	1.04	08/27/2024 13:57	WG2351186
2-Chlorotoluene	ND	J3	0.00389	1.04	08/27/2024 13:57	WG2351186
4-Chlorotoluene	ND		0.00777	1.04	08/27/2024 13:57	WG2351186

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0389	1.04	08/27/2024 13:57	WG2351186
1,2-Dibromoethane	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
Dibromomethane	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
1,2-Dichlorobenzene	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
1,3-Dichlorobenzene	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
1,4-Dichlorobenzene	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
Dichlorodifluoromethane	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
1,1-Dichloroethane	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
1,2-Dichloroethane	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
1,1-Dichloroethene	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
cis-1,2-Dichloroethene	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
trans-1,2-Dichloroethene	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
1,2-Dichloropropane	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
1,1-Dichloropropene	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
1,3-Dichloropropane	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
cis-1,3-Dichloropropene	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
trans-1,3-Dichloropropene	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
2,2-Dichloropropane	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
Di-isopropyl ether	ND		0.00155	1.04	08/27/2024 13:57	WG2351186
Ethylbenzene	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
Hexachloro-1,3-butadiene	ND	J3	0.0389	1.04	08/27/2024 13:57	WG2351186
Isopropylbenzene	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
p-Isopropyltoluene	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
2-Butanone (MEK)	ND	J4	0.155	1.04	08/27/2024 13:57	WG2351186
Methylene Chloride	0.0844	J3	0.0389	1.04	08/27/2024 13:57	WG2351186
4-Methyl-2-pentanone (MIBK)	ND		0.0389	1.04	08/27/2024 13:57	WG2351186
Methyl tert-butyl ether	ND		0.00155	1.04	08/27/2024 13:57	WG2351186
Naphthalene	ND		0.0194	1.04	08/27/2024 13:57	WG2351186
n-Propylbenzene	ND	J3	0.00777	1.04	08/27/2024 13:57	WG2351186
Styrene	ND	J3 J4	0.0194	1.04	08/27/2024 13:57	WG2351186
1,1,1,2-Tetrachloroethane	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
1,1,2,2-Tetrachloroethane	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
1,1,2-Trichlorotrifluoroethane	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
Tetrachloroethene	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
Toluene	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
1,2,3-Trichlorobenzene	ND		0.0194	1.04	08/27/2024 13:57	WG2351186
1,2,4-Trichlorobenzene	ND		0.0194	1.04	08/27/2024 13:57	WG2351186
1,1,1-Trichloroethane	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
1,1,2-Trichloroethane	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
Trichloroethene	ND		0.00155	1.04	08/27/2024 13:57	WG2351186
Trichlorofluoromethane	ND	J4	0.00389	1.04	08/27/2024 13:57	WG2351186
1,2,3-Trichloropropane	ND		0.0194	1.04	08/27/2024 13:57	WG2351186
1,2,4-Trimethylbenzene	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
1,2,3-Trimethylbenzene	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
Vinyl chloride	ND		0.00389	1.04	08/27/2024 13:57	WG2351186
1,3,5-Trimethylbenzene	ND		0.00777	1.04	08/27/2024 13:57	WG2351186
Xylenes, Total	ND		0.0101	1.04	08/27/2024 13:57	WG2351186
(S) Toluene-d8	*92.8*		*75.0-131*		*08/27/2024 13:57*	WG2351186
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*08/27/2024 13:57*	WG2351186
(S) 1,2-Dichloroethane-d4	*93.5*		*70.0-130*		*08/27/2024 13:57*	WG2351186

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		5.01	1	08/25/2024 01:23	WG2349672
C22-C32 Hydrocarbons	ND		5.01	1	08/25/2024 01:23	WG2349672
C32-C40 Hydrocarbons	ND		5.01	1	08/25/2024 01:23	WG2349672
(S) o-Terphenyl	*55.6*		*18.0-148*		*08/25/2024 01:23*	WG2349672

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Acenaphthylene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Anthracene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Benzidine	ND		2.09	1	08/29/2024 04:24	WG2351751
Benzo(a)anthracene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Benzo(b)fluoranthene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Benzo(k)fluoranthene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Benzo(g,h,i)perylene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Benzo(a)pyrene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Bis(2-chlorethoxy)methane	ND		0.417	1	08/29/2024 04:24	WG2351751
Bis(2-chloroethyl)ether	ND		0.417	1	08/29/2024 04:24	WG2351751
2,2-Oxybis(1-Chloropropane)	ND		0.417	1	08/29/2024 04:24	WG2351751
4-Bromophenyl-phenylether	ND		0.417	1	08/29/2024 04:24	WG2351751
2-Chloronaphthalene	ND		0.0417	1	08/29/2024 04:24	WG2351751
4-Chlorophenyl-phenylether	ND		0.417	1	08/29/2024 04:24	WG2351751
Chrysene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Dibenz(a,h)anthracene	ND		0.0417	1	08/29/2024 04:24	WG2351751
3,3-Dichlorobenzidine	ND		0.417	1	08/29/2024 04:24	WG2351751
2,4-Dinitrotoluene	ND		0.417	1	08/29/2024 04:24	WG2351751
2,6-Dinitrotoluene	ND		0.417	1	08/29/2024 04:24	WG2351751
Fluoranthene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Fluorene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Hexachlorobenzene	ND		0.417	1	08/29/2024 04:24	WG2351751
Hexachloro-1,3-butadiene	ND		0.417	1	08/29/2024 04:24	WG2351751
Hexachlorocyclopentadiene	ND		0.417	1	08/29/2024 04:24	WG2351751
Hexachloroethane	ND		0.417	1	08/29/2024 04:24	WG2351751
Indeno(1,2,3-cd)pyrene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Isophorone	ND		0.417	1	08/29/2024 04:24	WG2351751
Naphthalene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Nitrobenzene	ND		0.417	1	08/29/2024 04:24	WG2351751
n-Nitrosodimethylamine	ND		0.417	1	08/29/2024 04:24	WG2351751
n-Nitrosodiphenylamine	ND		0.417	1	08/29/2024 04:24	WG2351751
n-Nitrosodi-n-propylamine	ND		0.417	1	08/29/2024 04:24	WG2351751
Phenanthrene	ND		0.0417	1	08/29/2024 04:24	WG2351751
Benzylbutyl phthalate	ND		0.417	1	08/29/2024 04:24	WG2351751
Bis(2-ethylhexyl)phthalate	ND		0.417	1	08/29/2024 04:24	WG2351751
Di-n-butyl phthalate	ND		0.417	1	08/29/2024 04:24	WG2351751
Diethyl phthalate	ND		0.417	1	08/29/2024 04:24	WG2351751
Dimethyl phthalate	ND		0.417	1	08/29/2024 04:24	WG2351751
Di-n-octyl phthalate	ND		0.417	1	08/29/2024 04:24	WG2351751
Pyrene	ND		0.0417	1	08/29/2024 04:24	WG2351751
1,2,4-Trichlorobenzene	ND		0.417	1	08/29/2024 04:24	WG2351751
4-Chloro-3-methylphenol	ND		0.417	1	08/29/2024 04:24	WG2351751
2-Chlorophenol	ND		0.417	1	08/29/2024 04:24	WG2351751
2,4-Dichlorophenol	ND		0.417	1	08/29/2024 04:24	WG2351751
2,4-Dimethylphenol	ND		0.417	1	08/29/2024 04:24	WG2351751
4,6-Dinitro-2-methylphenol	ND		0.417	1	08/29/2024 04:24	WG2351751
2,4-Dinitrophenol	ND		0.417	1	08/29/2024 04:24	WG2351751

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.417	1	08/29/2024 04:24	WG2351751
3&4-Methyl Phenol	ND		0.417	1	08/29/2024 04:24	WG2351751
2-Nitrophenol	ND		0.417	1	08/29/2024 04:24	WG2351751
4-Nitrophenol	ND		0.417	1	08/29/2024 04:24	WG2351751
Pentachlorophenol	ND		0.417	1	08/29/2024 04:24	WG2351751
Pyridine	ND		0.417	1	08/29/2024 04:24	WG2351751
2,4,5-Trichlorophenol	ND		0.417	1	08/29/2024 04:24	WG2351751
2,4,6-Trichlorophenol	ND		0.417	1	08/29/2024 04:24	WG2351751
Phenol	ND		0.417	1	08/29/2024 04:24	WG2351751
(S) 2-Fluorophenol	*44.6*		*12.0-120*		*08/29/2024 04:24*	WG2351751
(S) Phenol-d5	*45.1*		*10.0-120*		*08/29/2024 04:24*	WG2351751
(S) Nitrobenzene-d5	*46.8*		*10.0-122*		*08/29/2024 04:24*	WG2351751
(S) 2-Fluorobiphenyl	*41.1*		*15.0-120*		*08/29/2024 04:24*	WG2351751
(S) 2,4,6-Tribromophenol	*42.7*		*10.0-127*		*08/29/2024 04:24*	WG2351751
(S) p-Terphenyl-d14	*51.0*		*10.0-120*		*08/29/2024 04:24*	WG2351751

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	08/24/2024 12:11	WG2349709

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0471	1	08/25/2024 18:00	WG2349632

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.35	1	08/28/2024 17:42	WG2349883
Arsenic	11.9		2.35	1	08/28/2024 17:42	WG2349883
Barium	32.1	B	0.588	1	08/28/2024 17:42	WG2349883
Beryllium	0.257		0.235	1	08/28/2024 17:42	WG2349883
Cadmium	ND		0.588	1	08/28/2024 17:42	WG2349883
Chromium	4.32		1.18	1	08/28/2024 17:42	WG2349883
Cobalt	2.09		1.18	1	08/28/2024 17:42	WG2349883
Copper	5.16		2.35	1	08/28/2024 17:42	WG2349883
Lead	4.29		0.588	1	08/28/2024 17:42	WG2349883
Molybdenum	0.593		0.588	1	08/28/2024 17:42	WG2349883
Nickel	3.18		2.35	1	08/28/2024 17:42	WG2349883
Selenium	ND		2.35	1	08/28/2024 17:42	WG2349883
Silver	ND		1.18	1	08/28/2024 17:42	WG2349883
Thallium	ND		2.35	1	08/28/2024 17:42	WG2349883
Vanadium	15.4		2.35	1	08/28/2024 17:42	WG2349883
Zinc	19.7		5.88	1	08/28/2024 17:42	WG2349883

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		3.50	26	09/04/2024 04:42	WG2355529
(S) a,a,a-Trifluorotoluene(FID)	*98.7*		*77.0-120*		*09/04/2024 04:42*	WG2355529

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J4	0.0700	1.04	08/27/2024 14:16	WG2351186
Acrylonitrile	ND		0.0175	1.04	08/27/2024 14:16	WG2351186
Benzene	ND		0.00140	1.04	08/27/2024 14:16	WG2351186
Bromobenzene	ND		0.0175	1.04	08/27/2024 14:16	WG2351186
Bromodichloromethane	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
Bromoform	ND		0.0350	1.04	08/27/2024 14:16	WG2351186
Bromomethane	ND		0.0175	1.04	08/27/2024 14:16	WG2351186
n-Butylbenzene	ND	J3	0.0175	1.04	08/27/2024 14:16	WG2351186
sec-Butylbenzene	ND		0.0175	1.04	08/27/2024 14:16	WG2351186
tert-Butylbenzene	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
Carbon tetrachloride	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
Chlorobenzene	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
Chlorodibromomethane	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
Chloroethane	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
Chloroform	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
Chloromethane	ND		0.0175	1.04	08/27/2024 14:16	WG2351186
2-Chlorotoluene	ND	J3	0.00350	1.04	08/27/2024 14:16	WG2351186
4-Chlorotoluene	ND		0.00700	1.04	08/27/2024 14:16	WG2351186

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0350	1.04	08/27/2024 14:16	WG2351186
1,2-Dibromoethane	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
Dibromomethane	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
1,2-Dichlorobenzene	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
1,3-Dichlorobenzene	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
1,4-Dichlorobenzene	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
Dichlorodifluoromethane	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
1,1-Dichloroethane	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
1,2-Dichloroethane	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
1,1-Dichloroethene	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
cis-1,2-Dichloroethene	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
trans-1,2-Dichloroethene	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
1,2-Dichloropropane	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
1,1-Dichloropropene	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
1,3-Dichloropropane	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
cis-1,3-Dichloropropene	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
trans-1,3-Dichloropropene	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
2,2-Dichloropropane	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
Di-isopropyl ether	ND		0.00140	1.04	08/27/2024 14:16	WG2351186
Ethylbenzene	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
Hexachloro-1,3-butadiene	ND	J3	0.0350	1.04	08/27/2024 14:16	WG2351186
Isopropylbenzene	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
p-Isopropyltoluene	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
2-Butanone (MEK)	ND	J4	0.140	1.04	08/27/2024 14:16	WG2351186
Methylene Chloride	0.0966	J3	0.0350	1.04	08/27/2024 14:16	WG2351186
4-Methyl-2-pentanone (MIBK)	ND		0.0350	1.04	08/27/2024 14:16	WG2351186
Methyl tert-butyl ether	ND		0.00140	1.04	08/27/2024 14:16	WG2351186
Naphthalene	ND		0.0175	1.04	08/27/2024 14:16	WG2351186
n-Propylbenzene	ND	J3	0.00700	1.04	08/27/2024 14:16	WG2351186
Styrene	ND	J3 J4	0.0175	1.04	08/27/2024 14:16	WG2351186
1,1,1,2-Tetrachloroethane	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
1,1,2,2-Tetrachloroethane	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
1,1,2-Trichlorotrifluoroethane	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
Tetrachloroethene	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
Toluene	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
1,2,3-Trichlorobenzene	ND		0.0175	1.04	08/27/2024 14:16	WG2351186
1,2,4-Trichlorobenzene	ND		0.0175	1.04	08/27/2024 14:16	WG2351186
1,1,1-Trichloroethane	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
1,1,2-Trichloroethane	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
Trichloroethene	ND		0.00140	1.04	08/27/2024 14:16	WG2351186
Trichlorofluoromethane	ND	J4	0.00350	1.04	08/27/2024 14:16	WG2351186
1,2,3-Trichloropropane	ND		0.0175	1.04	08/27/2024 14:16	WG2351186
1,2,4-Trimethylbenzene	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
1,2,3-Trimethylbenzene	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
Vinyl chloride	ND		0.00350	1.04	08/27/2024 14:16	WG2351186
1,3,5-Trimethylbenzene	ND		0.00700	1.04	08/27/2024 14:16	WG2351186
Xylenes, Total	ND		0.00911	1.04	08/27/2024 14:16	WG2351186
(S) Toluene-d8	*93.2*		*75.0-131*		*08/27/2024 14:16*	WG2351186
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*08/27/2024 14:16*	WG2351186
(S) 1,2-Dichloroethane-d4	*91.8*		*70.0-130*		*08/27/2024 14:16*	WG2351186

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.71	1	08/25/2024 01:37	WG2349672
C22-C32 Hydrocarbons	ND		4.71	1	08/25/2024 01:37	WG2349672
C32-C40 Hydrocarbons	ND		4.71	1	08/25/2024 01:37	WG2349672
(S) o-Terphenyl	*66.3*		*18.0-148*		*08/25/2024 01:37*	WG2349672

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Acenaphthylene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Anthracene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Benzidine	ND		1.96	1	08/29/2024 15:00	WG2351751
Benzo(a)anthracene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Benzo(b)fluoranthene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Benzo(k)fluoranthene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Benzo(g,h,i)perylene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Benzo(a)pyrene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Bis(2-chlorethoxy)methane	ND		0.392	1	08/29/2024 15:00	WG2351751
Bis(2-chloroethyl)ether	ND		0.392	1	08/29/2024 15:00	WG2351751
2,2-Oxybis(1-Chloropropane)	ND		0.392	1	08/29/2024 15:00	WG2351751
4-Bromophenyl-phenylether	ND		0.392	1	08/29/2024 15:00	WG2351751
2-Chloronaphthalene	ND		0.0392	1	08/29/2024 15:00	WG2351751
4-Chlorophenyl-phenylether	ND		0.392	1	08/29/2024 15:00	WG2351751
Chrysene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Dibenz(a,h)anthracene	ND		0.0392	1	08/29/2024 15:00	WG2351751
3,3-Dichlorobenzidine	ND		0.392	1	08/29/2024 15:00	WG2351751
2,4-Dinitrotoluene	ND		0.392	1	08/29/2024 15:00	WG2351751
2,6-Dinitrotoluene	ND		0.392	1	08/29/2024 15:00	WG2351751
Fluoranthene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Fluorene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Hexachlorobenzene	ND		0.392	1	08/29/2024 15:00	WG2351751
Hexachloro-1,3-butadiene	ND		0.392	1	08/29/2024 15:00	WG2351751
Hexachlorocyclopentadiene	ND		0.392	1	08/29/2024 15:00	WG2351751
Hexachloroethane	ND		0.392	1	08/29/2024 15:00	WG2351751
Indeno(1,2,3-cd)pyrene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Isophorone	ND		0.392	1	08/29/2024 15:00	WG2351751
Naphthalene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Nitrobenzene	ND		0.392	1	08/29/2024 15:00	WG2351751
n-Nitrosodimethylamine	ND		0.392	1	08/29/2024 15:00	WG2351751
n-Nitrosodiphenylamine	ND		0.392	1	08/29/2024 15:00	WG2351751
n-Nitrosodi-n-propylamine	ND		0.392	1	08/29/2024 15:00	WG2351751
Phenanthrene	ND		0.0392	1	08/29/2024 15:00	WG2351751
Benzylbutyl phthalate	ND		0.392	1	08/29/2024 15:00	WG2351751
Bis(2-ethylhexyl)phthalate	ND		0.392	1	08/29/2024 15:00	WG2351751
Di-n-butyl phthalate	ND		0.392	1	08/29/2024 15:00	WG2351751
Diethyl phthalate	ND		0.392	1	08/29/2024 15:00	WG2351751
Dimethyl phthalate	ND		0.392	1	08/29/2024 15:00	WG2351751
Di-n-octyl phthalate	ND		0.392	1	08/29/2024 15:00	WG2351751
Pyrene	ND		0.0392	1	08/29/2024 15:00	WG2351751
1,2,4-Trichlorobenzene	ND		0.392	1	08/29/2024 15:00	WG2351751
4-Chloro-3-methylphenol	ND		0.392	1	08/29/2024 15:00	WG2351751
2-Chlorophenol	ND		0.392	1	08/29/2024 15:00	WG2351751
2,4-Dichlorophenol	ND		0.392	1	08/29/2024 15:00	WG2351751
2,4-Dimethylphenol	ND		0.392	1	08/29/2024 15:00	WG2351751
4,6-Dinitro-2-methylphenol	ND		0.392	1	08/29/2024 15:00	WG2351751
2,4-Dinitrophenol	ND		0.392	1	08/29/2024 15:00	WG2351751

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.392	1	08/29/2024 15:00	WG2351751
3&4-Methyl Phenol	ND		0.392	1	08/29/2024 15:00	WG2351751
2-Nitrophenol	ND		0.392	1	08/29/2024 15:00	WG2351751
4-Nitrophenol	ND		0.392	1	08/29/2024 15:00	WG2351751
Pentachlorophenol	ND		0.392	1	08/29/2024 15:00	WG2351751
Pyridine	ND		0.392	1	08/29/2024 15:00	WG2351751
2,4,5-Trichlorophenol	ND		0.392	1	08/29/2024 15:00	WG2351751
2,4,6-Trichlorophenol	ND		0.392	1	08/29/2024 15:00	WG2351751
Phenol	ND		0.392	1	08/29/2024 15:00	WG2351751
(S) 2-Fluorophenol	*56.5*		*12.0-120*		*08/29/2024 15:00*	WG2351751
(S) Phenol-d5	*53.2*		*10.0-120*		*08/29/2024 15:00*	WG2351751
(S) Nitrobenzene-d5	*48.1*		*10.0-122*		*08/29/2024 15:00*	WG2351751
(S) 2-Fluorobiphenyl	*48.4*		*15.0-120*		*08/29/2024 15:00*	WG2351751
(S) 2,4,6-Tribromophenol	*64.7*		*10.0-127*		*08/29/2024 15:00*	WG2351751
(S) p-Terphenyl-d14	*77.2*		*10.0-120*		*08/29/2024 15:00*	WG2351751

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QUALITY CONTROL SUMMARY

L1770767-01,03,05,07,08,10,12,14,15

Method Blank (MB)

(MB) R4111452-1 08/24/24 12:31

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1770767-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1770767-07 08/24/24 12:31 • (DUP) R4111452-3 08/24/24 12:31

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.7	93.8	1	0.132		10

Laboratory Control Sample (LCS)

(LCS) R4111452-2 08/24/24 12:31

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

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Method Blank (MB)

(MB) R4111450-1 08/24/24 12:11

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

L1770806-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1770806-01 08/24/24 12:11 • (DUP) R4111450-3 08/24/24 12:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	95.0	96.0	1	1.07		10

Laboratory Control Sample (LCS)

(LCS) R4111450-2 08/24/24 12:11

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

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Method Blank (MB)

(MB) R4111346-1 08/25/24 16:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4111346-2 08/25/24 16:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.494	98.7	80.0-120	

L1770726-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770726-01 08/25/24 16:35 • (MS) R4111346-4 08/25/24 16:47 • (MSD) R4111346-5 08/25/24 16:50

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.523	ND	0.500	0.515	89.2	92.0	1	75.0-125			2.81	20

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Method Blank (MB)

(MB) R4113885-1 08/29/24 21:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	0.535	J	0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4113885-2 08/29/24 21:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	89.9	89.9	80.0-120	
Arsenic	100	92.2	92.2	80.0-120	
Barium	100	95.2	95.2	80.0-120	
Beryllium	100	94.6	94.6	80.0-120	
Cadmium	100	91.5	91.5	80.0-120	
Chromium	100	96.7	96.7	80.0-120	
Cobalt	100	92.8	92.8	80.0-120	
Copper	100	92.1	92.1	80.0-120	
Lead	100	93.3	93.3	80.0-120	
Molybdenum	100	94.7	94.7	80.0-120	
Nickel	100	89.2	89.2	80.0-120	
Selenium	100	86.6	86.6	80.0-120	
Silver	20.0	17.9	89.5	80.0-120	
Thallium	100	92.6	92.6	80.0-120	
Vanadium	100	92.6	92.6	80.0-120	
Zinc	100	94.5	94.5	80.0-120	

L1770672-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770672-10 08/29/24 21:25 • (MS) R4113885-5 08/29/24 21:30 • (MSD) R4113885-6 08/29/24 21:32

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	100	ND	69.4	69.1	69.4	69.1	1	75.0-125	J6	J6	0.421	20
Arsenic	100	3.50	86.4	89.8	82.9	86.3	1	75.0-125			3.82	20
Barium	100	3270	1990	1910	0.000	0.000	1	75.0-125	V	V	4.11	20
Beryllium	100	0.381	83.3	84.9	82.9	84.5	1	75.0-125			1.97	20
Cadmium	100	ND	82.9	85.3	82.7	85.2	1	75.0-125			2.88	20
Chromium	100	23.5	112	112	88.5	88.6	1	75.0-125			0.144	20
Cobalt	100	6.49	94.3	91.3	87.8	84.8	1	75.0-125			3.19	20
Copper	100	10.9	96.3	100	85.3	89.2	1	75.0-125			3.92	20
Lead	100	11.9	97.7	98.9	85.8	87.0	1	75.0-125			1.24	20
Molybdenum	100	1.65	83.6	88.3	82.0	86.7	1	75.0-125			5.50	20
Nickel	100	10.6	95.2	96.6	84.6	86.1	1	75.0-125			1.52	20
Selenium	100	ND	79.6	82.1	78.6	81.1	1	75.0-125			3.11	20
Silver	20.0	ND	16.4	16.8	81.9	84.0	1	75.0-125			2.60	20
Thallium	100	ND	79.7	79.0	77.8	77.1	1	75.0-125			0.853	20
Vanadium	100	28.0	111	115	82.9	86.6	1	75.0-125			3.32	20
Zinc	100	33.5	119	119	85.9	85.1	1	75.0-125			0.697	20

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Method Blank (MB)

(MB) R4113022-1 08/28/24 16:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	9.23		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4113022-2 08/28/24 17:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	84.0	84.0	80.0-120	
Arsenic	100	87.3	87.3	80.0-120	
Barium	100	99.2	99.2	80.0-120	
Beryllium	100	94.6	94.6	80.0-120	
Cadmium	100	86.6	86.6	80.0-120	
Chromium	100	94.9	94.9	80.0-120	
Cobalt	100	86.7	86.7	80.0-120	
Copper	100	89.9	89.9	80.0-120	
Lead	100	87.8	87.8	80.0-120	
Molybdenum	100	93.5	93.5	80.0-120	
Nickel	100	85.7	85.7	80.0-120	
Selenium	100	86.3	86.3	80.0-120	
Silver	20.0	16.3	81.3	80.0-120	
Thallium	100	91.4	91.4	80.0-120	
Vanadium	100	91.9	91.9	80.0-120	
Zinc	100	91.1	91.1	80.0-120	

L1770767-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770767-07 08/28/24 17:05 • (MS) R4113022-5 08/28/24 17:13 • (MSD) R4113022-6 08/28/24 17:15

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	107	ND	73.2	75.6	68.6	70.8	1	75.0-125	J6	J6	3.14	20
Arsenic	107	2.44	97.0	94.3	88.6	86.1	1	75.0-125			2.82	20
Barium	107	30.9	138	143	100	105	1	75.0-125			3.86	20
Beryllium	107	0.240	101	98.8	94.2	92.3	1	75.0-125			1.97	20
Cadmium	107	ND	93.4	92.1	87.4	86.2	1	75.0-125			1.38	20
Chromium	107	4.13	103	102	92.8	91.8	1	75.0-125			0.996	20
Cobalt	107	2.41	97.9	96.2	89.4	87.8	1	75.0-125			1.75	20
Copper	107	5.03	102	101	91.2	90.0	1	75.0-125			1.29	20
Lead	107	4.04	101	98.7	90.9	88.7	1	75.0-125			2.40	20
Molybdenum	107	ND	91.5	85.1	85.4	79.4	1	75.0-125			7.22	20
Nickel	107	3.15	97.4	95.7	88.3	86.7	1	75.0-125			1.76	20
Selenium	107	ND	92.3	88.7	85.5	82.1	1	75.0-125			3.99	20
Silver	21.3	ND	17.7	17.3	82.7	81.2	1	75.0-125			1.85	20
Thallium	107	ND	97.9	97.5	91.7	91.3	1	75.0-125			0.484	20
Vanadium	107	8.63	108	103	93.2	88.7	1	75.0-125			4.50	20
Zinc	107	15.4	114	109	92.5	87.7	1	75.0-125			4.59	20

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Method Blank (MB)

(MB) R4115296-3 09/03/24 23:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.41	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115296-1 09/03/24 21:35 • (LCSD) R4115296-2 09/03/24 21:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	4.51	4.62	90.2	92.4	72.0-125			2.41	20
(S) a,a,a-Trifluorotoluene(FID)				*108*	*109*	*77.0-120*				

L1772242-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772242-10 09/04/24 07:26 • (MS) R4115296-4 09/04/24 09:01 • (MSD) R4115296-5 09/04/24 09:24

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	85.0	ND	79.4	72.8	92.4	84.6	25	10.0-141			8.67	29
(S) a,a,a-Trifluorotoluene(FID)					*106*	*106*		*77.0-120*				

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Method Blank (MB)

(MB) R4112248-3 08/26/24 11:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4112248-3 08/26/24 11:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
Vinyl chloride	U		0.00116	0.00250
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*94.7*			*75.0-131*
(S) 4-Bromofluorobenzene	*92.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*90.7*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4112248-1 08/26/24 09:43 • (LCSD) R4112248-2 08/26/24 10:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.619	0.745	99.0	119	10.0-160			18.5	31
Acrylonitrile	0.625	0.579	0.667	92.6	107	45.0-153			14.1	22
Benzene	0.125	0.130	0.134	104	107	70.0-123			3.03	20
Bromobenzene	0.125	0.122	0.118	97.6	94.4	73.0-121			3.33	20
Bromodichloromethane	0.125	0.123	0.123	98.4	98.4	73.0-121			0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4112248-1 08/26/24 09:43 • (LCSD) R4112248-2 08/26/24 10:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.104	0.107	83.2	85.6	64.0-132			2.84	20
Bromomethane	0.125	0.109	0.109	87.2	87.2	56.0-147			0.000	20
n-Butylbenzene	0.125	0.116	0.115	92.8	92.0	68.0-135			0.866	20
sec-Butylbenzene	0.125	0.112	0.115	89.6	92.0	74.0-130			2.64	20
tert-Butylbenzene	0.125	0.0984	0.0988	78.7	79.0	75.0-127			0.406	20
Carbon tetrachloride	0.125	0.133	0.135	106	108	66.0-128			1.49	20
Chlorobenzene	0.125	0.112	0.109	89.6	87.2	76.0-128			2.71	20
Chlorodibromomethane	0.125	0.112	0.111	89.6	88.8	74.0-127			0.897	20
Chloroethane	0.125	0.121	0.121	96.8	96.8	61.0-134			0.000	20
Chloroform	0.125	0.120	0.124	96.0	99.2	72.0-123			3.28	20
Chloromethane	0.125	0.134	0.135	107	108	51.0-138			0.743	20
2-Chlorotoluene	0.125	0.112	0.116	89.6	92.8	75.0-124			3.51	20
4-Chlorotoluene	0.125	0.119	0.107	95.2	85.6	75.0-124			10.6	20
1,2-Dibromo-3-Chloropropane	0.125	0.0816	0.0999	65.3	79.9	59.0-130		J3	20.2	20
1,2-Dibromoethane	0.125	0.112	0.110	89.6	88.0	74.0-128			1.80	20
Dibromomethane	0.125	0.108	0.115	86.4	92.0	75.0-122			6.28	20
1,2-Dichlorobenzene	0.125	0.125	0.123	100	98.4	76.0-124			1.61	20
1,3-Dichlorobenzene	0.125	0.115	0.117	92.0	93.6	76.0-125			1.72	20
1,4-Dichlorobenzene	0.125	0.118	0.115	94.4	92.0	77.0-121			2.58	20
Dichlorodifluoromethane	0.125	0.142	0.144	114	115	43.0-156			1.40	20
1,1-Dichloroethane	0.125	0.127	0.132	102	106	70.0-127			3.86	20
1,2-Dichloroethane	0.125	0.131	0.134	105	107	65.0-131			2.26	20
1,1-Dichloroethene	0.125	0.132	0.138	106	110	65.0-131			4.44	20
cis-1,2-Dichloroethene	0.125	0.118	0.121	94.4	96.8	73.0-125			2.51	20
trans-1,2-Dichloroethene	0.125	0.117	0.120	93.6	96.0	71.0-125			2.53	20
1,2-Dichloropropane	0.125	0.117	0.127	93.6	102	74.0-125			8.20	20
1,1-Dichloropropene	0.125	0.129	0.128	103	102	73.0-125			0.778	20
1,3-Dichloropropane	0.125	0.112	0.115	89.6	92.0	80.0-125			2.64	20
cis-1,3-Dichloropropene	0.125	0.117	0.122	93.6	97.6	76.0-127			4.18	20
trans-1,3-Dichloropropene	0.125	0.115	0.117	92.0	93.6	73.0-127			1.72	20
2,2-Dichloropropane	0.125	0.136	0.142	109	114	59.0-135			4.32	20
Di-isopropyl ether	0.125	0.138	0.143	110	114	60.0-136			3.56	20
Ethylbenzene	0.125	0.122	0.119	97.6	95.2	74.0-126			2.49	20
Hexachloro-1,3-butadiene	0.125	0.0986	0.104	78.9	83.2	57.0-150			5.33	20
Isopropylbenzene	0.125	0.115	0.114	92.0	91.2	72.0-127			0.873	20
p-Isopropyltoluene	0.125	0.117	0.120	93.6	96.0	72.0-133			2.53	20
2-Butanone (MEK)	0.625	0.634	0.740	101	118	30.0-160			15.4	24
Methylene Chloride	0.125	0.120	0.121	96.0	96.8	68.0-123			0.830	20
4-Methyl-2-pentanone (MIBK)	0.625	0.639	0.689	102	110	56.0-143			7.53	20
Methyl tert-butyl ether	0.125	0.112	0.119	89.6	95.2	66.0-132			6.06	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4112248-1 08/26/24 09:43 • (LCSD) R4112248-2 08/26/24 10:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.0868	0.0993	69.4	79.4	59.0-130			13.4	20
n-Propylbenzene	0.125	0.122	0.119	97.6	95.2	74.0-126			2.49	20
Styrene	0.125	0.109	0.114	87.2	91.2	72.0-127			4.48	20
1,1,1,2-Tetrachloroethane	0.125	0.109	0.112	87.2	89.6	74.0-129			2.71	20
1,1,2,2-Tetrachloroethane	0.125	0.109	0.115	87.2	92.0	68.0-128			5.36	20
1,1,2-Trichlorotrifluoroethane	0.125	0.137	0.140	110	112	61.0-139			2.17	20
Tetrachloroethene	0.125	0.119	0.127	95.2	102	70.0-136			6.50	20
Toluene	0.125	0.112	0.113	89.6	90.4	75.0-121			0.889	20
1,2,3-Trichlorobenzene	0.125	0.0885	0.103	70.8	82.4	59.0-139			15.1	20
1,2,4-Trichlorobenzene	0.125	0.105	0.115	84.0	92.0	62.0-137			9.09	20
1,1,1-Trichloroethane	0.125	0.129	0.133	103	106	69.0-126			3.05	20
1,1,2-Trichloroethane	0.125	0.121	0.120	96.8	96.0	78.0-123			0.830	20
Trichloroethene	0.125	0.114	0.125	91.2	100	76.0-126			9.21	20
Trichlorofluoromethane	0.125	0.136	0.146	109	117	61.0-142			7.09	20
1,2,3-Trichloropropane	0.125	0.109	0.110	87.2	88.0	67.0-129			0.913	20
1,2,4-Trimethylbenzene	0.125	0.111	0.115	88.8	92.0	70.0-126			3.54	20
1,2,3-Trimethylbenzene	0.125	0.109	0.110	87.2	88.0	74.0-124			0.913	20
Vinyl chloride	0.125	0.145	0.143	116	114	63.0-134			1.39	20
1,3,5-Trimethylbenzene	0.125	0.114	0.117	91.2	93.6	73.0-127			2.60	20
Xylenes, Total	0.375	0.342	0.340	91.2	90.7	72.0-127			0.587	20
(S) Toluene-d8				*89.1*	*89.6*	*75.0-131*				
(S) 4-Bromofluorobenzene				*94.8*	*93.3*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*93.1*	*103*	*70.0-130*				

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Method Blank (MB)

(MB) R4112637-3 08/27/24 11:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4112637-3 08/27/24 11:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
Vinyl chloride	U		0.00116	0.00250
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*92.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*93.0*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4112637-1 08/27/24 09:34 • (LCSD) R4112637-2 08/27/24 09:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	1.15	1.42	184	227	10.0-160	J4	J4	21.0	31
Acrylonitrile	0.625	0.691	0.810	111	130	45.0-153			15.9	22
Benzene	0.125	0.118	0.138	94.4	110	70.0-123			15.6	20
Bromobenzene	0.125	0.101	0.121	80.8	96.8	73.0-121			18.0	20
Bromodichloromethane	0.125	0.117	0.137	93.6	110	73.0-121			15.7	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4112637-1 08/27/24 09:34 • (LCSD) R4112637-2 08/27/24 09:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.104	0.120	83.2	96.0	64.0-132			14.3	20
Bromomethane	0.125	0.137	0.153	110	122	56.0-147			11.0	20
n-Butylbenzene	0.125	0.109	0.135	87.2	108	68.0-135		J3	21.3	20
sec-Butylbenzene	0.125	0.105	0.125	84.0	100	74.0-130			17.4	20
tert-Butylbenzene	0.125	0.103	0.125	82.4	100	75.0-127			19.3	20
Carbon tetrachloride	0.125	0.122	0.143	97.6	114	66.0-128			15.8	20
Chlorobenzene	0.125	0.114	0.133	91.2	106	76.0-128			15.4	20
Chlorodibromomethane	0.125	0.104	0.121	83.2	96.8	74.0-127			15.1	20
Chloroethane	0.125	0.143	0.162	114	130	61.0-134			12.5	20
Chloroform	0.125	0.122	0.143	97.6	114	72.0-123			15.8	20
Chloromethane	0.125	0.122	0.132	97.6	106	51.0-138			7.87	20
2-Chlorotoluene	0.125	0.100	0.123	80.0	98.4	75.0-124		J3	20.6	20
4-Chlorotoluene	0.125	0.0992	0.117	79.4	93.6	75.0-124			16.5	20
1,2-Dibromo-3-Chloropropane	0.125	0.0988	0.118	79.0	94.4	59.0-130			17.7	20
1,2-Dibromoethane	0.125	0.110	0.125	88.0	100	74.0-128			12.8	20
Dibromomethane	0.125	0.127	0.143	102	114	75.0-122			11.9	20
1,2-Dichlorobenzene	0.125	0.105	0.125	84.0	100	76.0-124			17.4	20
1,3-Dichlorobenzene	0.125	0.106	0.128	84.8	102	76.0-125			18.8	20
1,4-Dichlorobenzene	0.125	0.101	0.121	80.8	96.8	77.0-121			18.0	20
Dichlorodifluoromethane	0.125	0.159	0.153	127	122	43.0-156			3.85	20
1,1-Dichloroethane	0.125	0.121	0.139	96.8	111	70.0-127			13.8	20
1,2-Dichloroethane	0.125	0.120	0.138	96.0	110	65.0-131			14.0	20
1,1-Dichloroethene	0.125	0.123	0.137	98.4	110	65.0-131			10.8	20
cis-1,2-Dichloroethene	0.125	0.117	0.131	93.6	105	73.0-125			11.3	20
trans-1,2-Dichloroethene	0.125	0.119	0.138	95.2	110	71.0-125			14.8	20
1,2-Dichloropropane	0.125	0.119	0.141	95.2	113	74.0-125			16.9	20
1,1-Dichloropropene	0.125	0.123	0.140	98.4	112	73.0-125			12.9	20
1,3-Dichloropropane	0.125	0.110	0.129	88.0	103	80.0-125			15.9	20
cis-1,3-Dichloropropene	0.125	0.120	0.141	96.0	113	76.0-127			16.1	20
trans-1,3-Dichloropropene	0.125	0.111	0.133	88.8	106	73.0-127			18.0	20
2,2-Dichloropropane	0.125	0.129	0.151	103	121	59.0-135			15.7	20
Di-isopropyl ether	0.125	0.136	0.152	109	122	60.0-136			11.1	20
Ethylbenzene	0.125	0.115	0.136	92.0	109	74.0-126			16.7	20
Hexachloro-1,3-butadiene	0.125	0.125	0.155	100	124	57.0-150		J3	21.4	20
Isopropylbenzene	0.125	0.122	0.146	97.6	117	72.0-127			17.9	20
p-Isopropyltoluene	0.125	0.109	0.132	87.2	106	72.0-133			19.1	20
2-Butanone (MEK)	0.625	0.867	1.09	139	174	30.0-160		J4	22.8	24
Methylene Chloride	0.125	0.106	0.132	84.8	106	68.0-123		J3	21.8	20
4-Methyl-2-pentanone (MIBK)	0.625	0.584	0.679	93.4	109	56.0-143			15.0	20
Methyl tert-butyl ether	0.125	0.121	0.139	96.8	111	66.0-132			13.8	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4112637-1 08/27/24 09:34 • (LCSD) R4112637-2 08/27/24 09:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.0997	0.120	79.8	96.0	59.0-130			18.5	20
n-Propylbenzene	0.125	0.100	0.123	80.0	98.4	74.0-126		J3	20.6	20
Styrene	0.125	0.0812	0.0997	65.0	79.8	72.0-127	J4	J3	20.5	20
1,1,1,2-Tetrachloroethane	0.125	0.108	0.124	86.4	99.2	74.0-129			13.8	20
1,1,2,2-Tetrachloroethane	0.125	0.0891	0.106	71.3	84.8	68.0-128			17.3	20
1,1,2-Trichlorotrifluoroethane	0.125	0.0879	0.0910	70.3	72.8	61.0-139			3.47	20
Tetrachloroethene	0.125	0.124	0.135	99.2	108	70.0-136			8.49	20
Toluene	0.125	0.108	0.124	86.4	99.2	75.0-121			13.8	20
1,2,3-Trichlorobenzene	0.125	0.117	0.142	93.6	114	59.0-139			19.3	20
1,2,4-Trichlorobenzene	0.125	0.116	0.136	92.8	109	62.0-137			15.9	20
1,1,1-Trichloroethane	0.125	0.127	0.151	102	121	69.0-126			17.3	20
1,1,2-Trichloroethane	0.125	0.103	0.119	82.4	95.2	78.0-123			14.4	20
Trichloroethene	0.125	0.129	0.146	103	117	76.0-126			12.4	20
Trichlorofluoromethane	0.125	0.148	0.180	118	144	61.0-142		J4	19.5	20
1,2,3-Trichloropropane	0.125	0.0987	0.117	79.0	93.6	67.0-129			17.0	20
1,2,4-Trimethylbenzene	0.125	0.102	0.121	81.6	96.8	70.0-126			17.0	20
1,2,3-Trimethylbenzene	0.125	0.100	0.119	80.0	95.2	74.0-124			17.4	20
Vinyl chloride	0.125	0.135	0.152	108	122	63.0-134			11.8	20
1,3,5-Trimethylbenzene	0.125	0.103	0.125	82.4	100	73.0-127			19.3	20
Xylenes, Total	0.375	0.342	0.396	91.2	106	72.0-127			14.6	20
(S) Toluene-d8				*92.0*	*91.2*	*75.0-131*				
(S) 4-Bromofluorobenzene				*102*	*103*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*97.2*	*96.5*	*70.0-130*				

L1769843-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1769843-01 08/27/24 16:48 • (MS) R4112637-4 08/27/24 19:20 • (MSD) R4112637-5 08/27/24 19:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.841	ND	0.922	1.03	110	122	1.03	10.0-160			10.7	40
Acrylonitrile	0.841	ND	0.717	0.859	85.3	102	1.03	10.0-160			18.0	40
Benzene	0.168	ND	0.127	0.162	75.4	96.1	1.03	10.0-149			24.1	37
Bromobenzene	0.168	ND	0.116	0.151	68.8	89.9	1.03	10.0-156			26.6	38
Bromodichloromethane	0.168	ND	0.125	0.154	74.5	91.5	1.03	10.0-143			20.5	37
Bromoform	0.168	ND	0.123	0.159	73.0	94.6	1.03	10.0-146			25.7	36
Bromomethane	0.168	ND	0.112	0.142	66.7	84.5	1.03	10.0-149			23.6	38
n-Butylbenzene	0.168	ND	0.111	0.155	65.8	92.2	1.03	10.0-160			33.4	40
sec-Butylbenzene	0.168	ND	0.111	0.143	65.8	85.3	1.03	10.0-159			25.8	39
tert-Butylbenzene	0.168	ND	0.111	0.147	66.0	87.6	1.03	10.0-156			28.1	39

L1769843-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1769843-01 08/27/24 16:48 • (MS) R4112637-4 08/27/24 19:20 • (MSD) R4112637-5 08/27/24 19:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	0.168	ND	0.116	0.142	68.8	84.5	1.03	10.0-145			20.4	37
Chlorobenzene	0.168	ND	0.133	0.172	79.1	102	1.03	10.0-152			25.6	39
Chlorodibromomethane	0.168	ND	0.121	0.153	72.0	90.7	1.03	10.0-146			23.0	37
Chloroethane	0.168	ND	0.105	0.112	62.7	66.7	1.03	10.0-146			6.11	40
Chloroform	0.168	ND	0.129	0.160	76.8	95.3	1.03	10.0-146			21.5	37
Chloromethane	0.168	ND	0.0971	0.127	57.8	75.6	1.03	10.0-159			26.7	37
2-Chlorotoluene	0.168	ND	0.106	0.149	62.9	88.4	1.03	10.0-159			33.6	38
4-Chlorotoluene	0.168	ND	0.102	0.137	60.9	81.4	1.03	10.0-155			28.9	39
1,2-Dibromo-3-Chloropropane	0.168	ND	0.0991	0.126	58.9	75.1	1.03	10.0-151			24.2	39
1,2-Dibromoethane	0.168	ND	0.126	0.156	74.7	93.0	1.03	10.0-148			21.8	34
Dibromomethane	0.168	ND	0.136	0.167	80.6	99.2	1.03	10.0-147			20.7	35
1,2-Dichlorobenzene	0.168	ND	0.118	0.159	70.2	94.6	1.03	10.0-155			29.6	37
1,3-Dichlorobenzene	0.168	ND	0.118	0.153	70.0	90.7	1.03	10.0-153			25.8	38
1,4-Dichlorobenzene	0.168	ND	0.116	0.151	69.0	89.9	1.03	10.0-151			26.3	38
Dichlorodifluoromethane	0.168	ND	0.149	0.185	88.4	110	1.03	10.0-160			21.9	35
1,1-Dichloroethane	0.168	ND	0.112	0.139	66.9	82.9	1.03	10.0-147			21.4	37
1,2-Dichloroethane	0.168	ND	0.117	0.143	69.7	85.3	1.03	10.0-148			20.1	35
1,1-Dichloroethene	0.168	ND	0.0865	0.107	51.5	63.6	1.03	10.0-155			21.1	37
cis-1,2-Dichloroethene	0.168	ND	0.130	0.156	77.3	93.0	1.03	10.0-149			18.5	37
trans-1,2-Dichloroethene	0.168	ND	0.105	0.123	62.2	73.3	1.03	10.0-150			16.4	37
1,2-Dichloropropane	0.168	ND	0.129	0.163	76.7	96.9	1.03	10.0-148			23.2	37
1,1-Dichloropropene	0.168	ND	0.124	0.158	74.0	93.8	1.03	10.0-153			23.7	35
1,3-Dichloropropane	0.168	ND	0.121	0.158	72.0	93.8	1.03	10.0-154			26.3	35
cis-1,3-Dichloropropene	0.168	ND	0.129	0.162	76.9	96.1	1.03	10.0-151			22.2	37
trans-1,3-Dichloropropene	0.168	ND	0.119	0.149	70.7	88.4	1.03	10.0-148			22.2	37
2,2-Dichloropropane	0.168	ND	0.0958	0.112	57.0	66.8	1.03	10.0-138			15.9	36
Di-isopropyl ether	0.168	ND	0.132	0.172	78.3	102	1.03	10.0-147			26.6	36
Ethylbenzene	0.168	ND	0.132	0.171	78.3	102	1.03	10.0-160			25.9	38
Hexachloro-1,3-butadiene	0.168	ND	0.150	0.205	89.1	122	1.03	10.0-160			30.9	40
Isopropylbenzene	0.168	ND	0.143	0.188	85.3	112	1.03	10.0-155			26.8	38
p-Isopropyltoluene	0.168	ND	0.118	0.158	70.3	93.8	1.03	10.0-160			28.6	40
2-Butanone (MEK)	0.841	ND	0.868	1.01	103	120	1.03	10.0-160			14.9	40
Methylene Chloride	0.168	ND	0.0991	0.124	58.9	74.0	1.03	10.0-141			22.7	37
4-Methyl-2-pentanone (MIBK)	0.841	ND	0.560	0.695	66.7	82.6	1.03	10.0-160			21.4	35
Methyl tert-butyl ether	0.168	ND	0.108	0.133	64.3	79.1	1.03	11.0-147			20.5	35
Naphthalene	0.168	ND	0.112	0.147	66.7	87.6	1.03	10.0-160			27.0	36
n-Propylbenzene	0.168	ND	0.104	0.139	62.0	82.9	1.03	10.0-158			28.9	38
Styrene	0.168	ND	0.116	0.151	69.0	89.9	1.03	10.0-160			26.3	40
1,1,1,2-Tetrachloroethane	0.168	ND	0.128	0.167	76.4	99.2	1.03	10.0-149			26.0	39

L1769843-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1769843-01 08/27/24 16:48 • (MS) R4112637-4 08/27/24 19:20 • (MSD) R4112637-5 08/27/24 19:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,2,2-Tetrachloroethane	0.168	ND	0.0854	0.110	50.8	65.3	1.03	10.0-160			25.1	35
1,1,2-Trichlorotrifluoroethane	0.168	ND	0.0766	0.0706	45.6	42.0	1.03	10.0-160			8.14	36
Tetrachloroethene	0.168	ND	0.149	0.189	88.4	112	1.03	10.0-156			23.9	39
Toluene	0.168	ND	0.122	0.156	72.5	93.0	1.03	10.0-156			24.8	38
1,2,3-Trichlorobenzene	0.168	ND	0.138	0.185	82.2	110	1.03	10.0-160			29.0	40
1,2,4-Trichlorobenzene	0.168	ND	0.133	0.179	79.1	106	1.03	10.0-160			29.3	40
1,1,1-Trichloroethane	0.168	ND	0.105	0.143	62.3	85.3	1.03	10.0-144			31.1	35
1,1,2-Trichloroethane	0.168	ND	0.118	0.154	70.5	91.5	1.03	10.0-160			25.9	35
Trichloroethene	0.168	ND	0.153	0.193	90.7	115	1.03	10.0-156			23.4	38
Trichlorofluoromethane	0.168	ND	0.0684	0.0680	40.7	40.5	1.03	10.0-160			0.573	40
1,2,3-Trichloropropane	0.168	ND	0.102	0.130	60.4	77.5	1.03	10.0-156			24.8	35
1,2,4-Trimethylbenzene	0.168	ND	0.110	0.145	65.2	86.0	1.03	10.0-160			27.6	36
1,2,3-Trimethylbenzene	0.168	ND	0.105	0.139	62.3	82.9	1.03	10.0-160			28.4	36
Vinyl chloride	0.168	ND	0.115	0.143	68.4	85.3	1.03	10.0-160			21.9	37
1,3,5-Trimethylbenzene	0.168	ND	0.107	0.143	63.7	85.3	1.03	10.0-160			28.9	38
Xylenes, Total	0.504	ND	0.396	0.504	78.6	100	1.03	10.0-160			24.0	38
(S) Toluene-d8					*95.0*	*95.9*		*75.0-131*				
(S) 4-Bromofluorobenzene					*104*	*104*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*86.6*	*86.9*		*70.0-130*				

DRAFT

Method Blank (MB)

(MB) R4112820-2 08/28/24 05:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4112820-2 08/28/24 05:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
Vinyl chloride	U		0.00116	0.00250
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*111*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4112820-1 08/28/24 04:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.462	73.9	10.0-160	
Acrylonitrile	0.625	0.480	76.8	45.0-153	
Benzene	0.125	0.100	80.0	70.0-123	
Bromobenzene	0.125	0.121	96.8	73.0-121	
Bromodichloromethane	0.125	0.102	81.6	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R4112820-1 08/28/24 04:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.125	0.106	84.8	64.0-132	
Bromomethane	0.125	0.0900	72.0	56.0-147	
n-Butylbenzene	0.125	0.0945	75.6	68.0-135	
sec-Butylbenzene	0.125	0.0993	79.4	74.0-130	
tert-Butylbenzene	0.125	0.106	84.8	75.0-127	
Carbon tetrachloride	0.125	0.107	85.6	66.0-128	
Chlorobenzene	0.125	0.119	95.2	76.0-128	
Chlorodibromomethane	0.125	0.112	89.6	74.0-127	
Chloroethane	0.125	0.0915	73.2	61.0-134	
Chloroform	0.125	0.107	85.6	72.0-123	
Chloromethane	0.125	0.0900	72.0	51.0-138	
2-Chlorotoluene	0.125	0.114	91.2	75.0-124	
4-Chlorotoluene	0.125	0.108	86.4	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0859	68.7	59.0-130	
1,2-Dibromoethane	0.125	0.115	92.0	74.0-128	
Dibromomethane	0.125	0.106	84.8	75.0-122	
1,2-Dichlorobenzene	0.125	0.111	88.8	76.0-124	
1,3-Dichlorobenzene	0.125	0.108	86.4	76.0-125	
1,4-Dichlorobenzene	0.125	0.114	91.2	77.0-121	
Dichlorodifluoromethane	0.125	0.0912	73.0	43.0-156	
1,1-Dichloroethane	0.125	0.107	85.6	70.0-127	
1,2-Dichloroethane	0.125	0.101	80.8	65.0-131	
1,1-Dichloroethene	0.125	0.103	82.4	65.0-131	
cis-1,2-Dichloroethene	0.125	0.107	85.6	73.0-125	
trans-1,2-Dichloroethene	0.125	0.0999	79.9	71.0-125	
1,2-Dichloropropane	0.125	0.108	86.4	74.0-125	
1,1-Dichloropropene	0.125	0.104	83.2	73.0-125	
1,3-Dichloropropane	0.125	0.112	89.6	80.0-125	
cis-1,3-Dichloropropene	0.125	0.101	80.8	76.0-127	
trans-1,3-Dichloropropene	0.125	0.107	85.6	73.0-127	
2,2-Dichloropropane	0.125	0.0912	73.0	59.0-135	
Di-isopropyl ether	0.125	0.108	86.4	60.0-136	
Ethylbenzene	0.125	0.114	91.2	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.101	80.8	57.0-150	
Isopropylbenzene	0.125	0.110	88.0	72.0-127	
p-Isopropyltoluene	0.125	0.101	80.8	72.0-133	
2-Butanone (MEK)	0.625	0.441	70.6	30.0-160	
Methylene Chloride	0.125	0.114	91.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.538	86.1	56.0-143	
Methyl tert-butyl ether	0.125	0.102	81.6	66.0-132	

Laboratory Control Sample (LCS)

(LCS) R4112820-1 08/28/24 04:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.0834	66.7	59.0-130	
n-Propylbenzene	0.125	0.103	82.4	74.0-126	
Styrene	0.125	0.112	89.6	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.122	97.6	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.102	81.6	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.102	81.6	61.0-139	
Tetrachloroethene	0.125	0.127	102	70.0-136	
Toluene	0.125	0.112	89.6	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.0952	76.2	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.105	84.0	62.0-137	
1,1,1-Trichloroethane	0.125	0.104	83.2	69.0-126	
1,1,2-Trichloroethane	0.125	0.113	90.4	78.0-123	
Trichloroethene	0.125	0.120	96.0	76.0-126	
Trichlorofluoromethane	0.125	0.106	84.8	61.0-142	
1,2,3-Trichloropropane	0.125	0.108	86.4	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.0989	79.1	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.103	82.4	74.0-124	
Vinyl chloride	0.125	0.100	80.0	63.0-134	
1,3,5-Trimethylbenzene	0.125	0.106	84.8	73.0-127	
Xylenes, Total	0.375	0.329	87.7	72.0-127	
(S) Toluene-d8			*107*	*75.0-131*	
(S) 4-Bromofluorobenzene			*101*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	

L1766852-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1766852-07 08/28/24 08:51 • (MS) R4112820-3 08/28/24 15:47 • (MSD) R4112820-4 08/28/24 16:06

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	2.37	ND	3.73	1.47	158	62.0	4	10.0-160		J3	87.0	40
Acrylonitrile	2.37	ND	2.07	1.51	87.5	63.5	4	10.0-160			31.8	40
Benzene	0.474	ND	0.352	0.352	74.2	74.2	4	10.0-149			0.000	37
Bromobenzene	0.474	ND	0.426	0.434	89.8	91.5	4	10.0-156			1.93	38
Bromodichloromethane	0.474	ND	0.370	0.366	78.0	77.3	4	10.0-143			0.966	37
Bromoform	0.474	ND	0.405	0.389	85.5	82.0	4	10.0-146			4.18	36
Bromomethane	0.474	ND	0.308	0.296	65.0	62.5	4	10.0-149			3.92	38
n-Butylbenzene	0.474	ND	0.347	0.358	73.3	75.5	4	10.0-160			3.03	40
sec-Butylbenzene	0.474	ND	0.356	0.356	75.0	75.0	4	10.0-159			0.000	39
tert-Butylbenzene	0.474	ND	0.356	0.365	75.0	77.0	4	10.0-156			2.63	39

L1766852-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1766852-07 08/28/24 08:51 • (MS) R4112820-3 08/28/24 15:47 • (MSD) R4112820-4 08/28/24 16:06

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	0.474	ND	0.337	0.347	71.0	73.3	4	10.0-145			3.12	37
Chlorobenzene	0.474	ND	0.447	0.429	94.3	90.5	4	10.0-152			4.06	39
Chlorodibromomethane	0.474	ND	0.420	0.407	88.5	85.7	4	10.0-146			3.16	37
Chloroethane	0.474	ND	0.309	0.337	65.3	71.0	4	10.0-146			8.44	40
Chloroform	0.474	ND	0.375	0.371	79.0	78.3	4	10.0-146			0.954	37
Chloromethane	0.474	ND	0.301	0.331	63.5	69.8	4	10.0-159			9.38	37
2-Chlorotoluene	0.474	ND	0.401	0.395	84.5	83.3	4	10.0-159			1.49	38
4-Chlorotoluene	0.474	ND	0.362	0.372	76.3	78.5	4	10.0-155			2.91	39
1,2-Dibromo-3-Chloropropane	0.474	ND	0.372	0.313	78.5	66.0	4	10.0-151			17.3	39
1,2-Dibromoethane	0.474	ND	0.465	0.423	98.0	89.3	4	10.0-148			9.35	34
Dibromomethane	0.474	ND	0.409	0.375	86.3	79.0	4	10.0-147			8.77	35
1,2-Dichlorobenzene	0.474	ND	0.424	0.415	89.5	87.5	4	10.0-155			2.26	37
1,3-Dichlorobenzene	0.474	ND	0.409	0.417	86.3	88.0	4	10.0-153			2.01	38
1,4-Dichlorobenzene	0.474	ND	0.395	0.398	83.3	84.0	4	10.0-151			0.897	38
Dichlorodifluoromethane	0.474	ND	0.307	0.334	64.8	70.5	4	10.0-160			8.50	35
1,1-Dichloroethane	0.474	ND	0.360	0.357	76.0	75.3	4	10.0-147			0.992	37
1,2-Dichloroethane	0.474	ND	0.372	0.338	78.5	71.3	4	10.0-148			9.68	35
1,1-Dichloroethene	0.474	ND	0.335	0.339	70.8	71.5	4	10.0-155			1.05	37
cis-1,2-Dichloroethene	0.474	ND	0.364	0.369	76.8	77.8	4	10.0-149			1.29	37
trans-1,2-Dichloroethene	0.474	ND	0.333	0.330	70.3	69.5	4	10.0-150			1.07	37
1,2-Dichloropropane	0.474	ND	0.418	0.386	88.2	81.5	4	10.0-148			7.95	37
1,1-Dichloropropene	0.474	ND	0.340	0.346	71.8	73.0	4	10.0-153			1.73	35
1,3-Dichloropropane	0.474	ND	0.454	0.439	95.8	92.5	4	10.0-154			3.45	35
cis-1,3-Dichloropropene	0.474	ND	0.371	0.365	78.3	77.0	4	10.0-151			1.61	37
trans-1,3-Dichloropropene	0.474	ND	0.424	0.417	89.5	88.0	4	10.0-148			1.69	37
2,2-Dichloropropane	0.474	ND	0.253	0.266	53.2	56.0	4	10.0-138			5.03	36
Di-isopropyl ether	0.474	ND	0.403	0.377	85.0	79.5	4	10.0-147			6.69	36
Ethylbenzene	0.474	ND	0.416	0.414	87.8	87.3	4	10.0-160			0.571	38
Hexachloro-1,3-butadiene	0.474	ND	0.504	0.529	106	112	4	10.0-160			4.82	40
Isopropylbenzene	0.474	ND	0.386	0.390	81.5	82.3	4	10.0-155			0.916	38
p-Isopropyltoluene	0.474	ND	0.363	0.373	76.5	78.8	4	10.0-160			2.90	40
2-Butanone (MEK)	2.37	ND	1.99	1.53	84.0	64.5	4	10.0-160			26.3	40
Methylene Chloride	0.474	ND	0.386	0.363	81.5	76.5	4	10.0-141			6.33	37
4-Methyl-2-pentanone (MIBK)	2.37	ND	2.34	1.96	98.5	82.5	4	10.0-160			17.7	35
Methyl tert-butyl ether	0.474	ND	0.391	0.375	82.5	79.0	4	11.0-147			4.33	35
Naphthalene	0.474	ND	0.365	0.364	77.0	76.8	4	10.0-160			0.325	36
n-Propylbenzene	0.474	ND	0.328	0.343	69.3	72.3	4	10.0-158			4.24	38
Styrene	0.474	ND	0.416	0.410	87.8	86.5	4	10.0-160			1.43	40
1,1,1,2-Tetrachloroethane	0.474	ND	0.448	0.432	94.5	91.0	4	10.0-149			3.77	39

L1766852-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1766852-07 08/28/24 08:51 • (MS) R4112820-3 08/28/24 15:47 • (MSD) R4112820-4 08/28/24 16:06

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,2,2-Tetrachloroethane	0.474	ND	0.309	0.318	65.3	67.0	4	10.0-160			2.65	35
1,1,2-Trichlorotrifluoroethane	0.474	ND	0.351	0.359	74.0	75.8	4	10.0-160			2.34	36
Tetrachloroethene	0.474	ND	0.446	0.439	94.0	92.5	4	10.0-156			1.61	39
Toluene	0.474	ND	0.396	0.403	83.5	85.0	4	10.0-156			1.78	38
1,2,3-Trichlorobenzene	0.474	ND	0.404	0.413	85.3	87.0	4	10.0-160			2.03	40
1,2,4-Trichlorobenzene	0.474	ND	0.460	0.447	97.0	94.3	4	10.0-160			2.88	40
1,1,1-Trichloroethane	0.474	ND	0.327	0.358	69.0	75.5	4	10.0-144			9.00	35
1,1,2-Trichloroethane	0.474	ND	0.446	0.401	94.0	84.5	4	10.0-160			10.6	35
Trichloroethene	0.474	ND	0.469	0.427	99.0	90.0	4	10.0-156			9.52	38
Trichlorofluoromethane	0.474	ND	0.309	0.346	65.3	73.0	4	10.0-160			11.2	40
1,2,3-Trichloropropane	0.474	ND	0.453	0.402	95.5	84.8	4	10.0-156			11.9	35
1,2,4-Trimethylbenzene	0.474	ND	0.362	0.362	76.3	76.3	4	10.0-160			0.000	36
1,2,3-Trimethylbenzene	0.474	ND	0.366	0.363	77.3	76.5	4	10.0-160			0.976	36
Vinyl chloride	0.474	ND	0.143	0.269	30.2	56.8	4	10.0-160		J3	60.9	37
1,3,5-Trimethylbenzene	0.474	ND	0.360	0.367	76.0	77.5	4	10.0-160			1.95	38
Xylenes, Total	1.42	ND	1.21	1.18	85.0	82.7	4	10.0-160			2.68	38
(S) Toluene-d8					*108*	*111*		*75.0-131*				
(S) 4-Bromofluorobenzene					*105*	*103*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*101*	*96.7*		*70.0-130*				

Sample Narrative:

OS: Non-target compounds too high to run at a lower dilution.

DRAFT

Method Blank (MB)

(MB) R4111345-1 08/24/24 15:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		2.00	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*58.3*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4111345-2 08/24/24 15:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	22.4	89.6	50.0-150	
C22-C32 Hydrocarbons	25.0	16.2	64.8	50.0-150	
(S) o-Terphenyl			*55.4*	*18.0-148*	

L1768880-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768880-01 08/24/24 18:37 • (MS) R4111345-3 08/24/24 18:51 • (MSD) R4111345-4 08/24/24 19:06

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	24.6	ND	ND	21.2	77.2	86.2	5	50.0-150			10.9	20
C22-C32 Hydrocarbons	24.6	24.8	36.9	41.0	49.2	65.9	5	50.0-150	J6		10.5	20
(S) o-Terphenyl					*43.9*	*49.8*		*18.0-148*				

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

DRAFT

Method Blank (MB)

(MB) R4113612-2 08/29/24 03:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4113612-2 08/29/24 03:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Methylphenol	U		0.0100	0.333
3&4-Methyl Phenol	U		0.0104	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Pyridine	U		0.0220	0.333
2,4,5-Trichlorophenol	U		0.0113	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
Phenol	U		0.0134	0.333
(S) 2-Fluorophenol	*68.2*			*12.0-120*
(S) Phenol-d5	*66.5*			*10.0-120*
(S) Nitrobenzene-d5	*61.3*			*10.0-122*
(S) 2-Fluorobiphenyl	*68.8*			*15.0-120*
(S) 2,4,6-Tribromophenol	*66.4*			*10.0-127*
(S) p-Terphenyl-d14	*79.0*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4113612-1 08/29/24 02:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.422	63.4	38.0-120	
Acenaphthylene	0.666	0.397	59.6	40.0-120	
Anthracene	0.666	0.428	64.3	42.0-120	
Benzidine	1.33	0.588	44.2	10.0-120	
Benzo(a)anthracene	0.666	0.473	71.0	44.0-120	
Benzo(b)fluoranthene	0.666	0.456	68.5	43.0-120	
Benzo(k)fluoranthene	0.666	0.454	68.2	44.0-120	
Benzo(g,h,i)perylene	0.666	0.442	66.4	43.0-120	
Benzo(a)pyrene	0.666	0.473	71.0	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.328	49.2	20.0-120	

Laboratory Control Sample (LCS)

(LCS) R4113612-1 08/29/24 02:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bis(2-chloroethyl)ether	0.666	0.406	61.0	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.341	51.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.433	65.0	40.0-120	
2-Chloronaphthalene	0.666	0.395	59.3	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.431	64.7	40.0-120	
Chrysene	0.666	0.465	69.8	43.0-120	
Dibenz(a,h)anthracene	0.666	0.451	67.7	44.0-120	
3,3-Dichlorobenzidine	1.33	0.976	73.4	28.0-120	
2,4-Dinitrotoluene	0.666	0.466	70.0	45.0-120	
2,6-Dinitrotoluene	0.666	0.477	71.6	42.0-120	
Fluoranthene	0.666	0.463	69.5	44.0-120	
Fluorene	0.666	0.436	65.5	41.0-120	
Hexachlorobenzene	0.666	0.413	62.0	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.330	49.5	15.0-120	
Hexachlorocyclopentadiene	0.666	0.196	29.4	15.0-120	
Hexachloroethane	0.666	0.334	50.2	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.433	65.0	45.0-120	
Isophorone	0.666	0.318	47.7	23.0-120	
Naphthalene	0.666	0.322	48.3	18.0-120	
Nitrobenzene	0.666	0.343	51.5	17.0-120	
n-Nitrosodimethylamine	0.666	0.383	57.5	10.0-125	
n-Nitrosodiphenylamine	0.666	0.421	63.2	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.385	57.8	26.0-120	
Phenanthrene	0.666	0.443	66.5	42.0-120	
Benzylbutyl phthalate	0.666	0.456	68.5	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.455	68.3	41.0-120	
Di-n-butyl phthalate	0.666	0.435	65.3	43.0-120	
Diethyl phthalate	0.666	0.430	64.6	43.0-120	
Dimethyl phthalate	0.666	0.429	64.4	43.0-120	
Di-n-octyl phthalate	0.666	0.467	70.1	40.0-120	
Pyrene	0.666	0.456	68.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.335	50.3	17.0-120	
4-Chloro-3-methylphenol	0.666	0.363	54.5	28.0-120	
2-Chlorophenol	0.666	0.386	58.0	28.0-120	
2,4-Dichlorophenol	0.666	0.394	59.2	25.0-120	
2,4-Dimethylphenol	0.666	0.342	51.4	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.493	74.0	16.0-120	
2,4-Dinitrophenol	0.666	0.481	72.2	10.0-120	
2-Methylphenol	0.666	0.372	55.9	35.0-120	
3&4-Methyl Phenol	0.666	0.313	47.0	42.0-120	

Laboratory Control Sample (LCS)

(LCS) R4113612-1 08/29/24 02:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.360	54.1	20.0-120	
4-Nitrophenol	0.666	0.526	79.0	27.0-120	
Pentachlorophenol	0.666	0.408	61.3	29.0-120	
Pyridine	0.666	0.189	28.4	10.0-120	
2,4,5-Trichlorophenol	0.666	0.418	62.8	38.0-120	
2,4,6-Trichlorophenol	0.666	0.426	64.0	37.0-120	
Phenol	0.666	0.396	59.5	28.0-120	
(S) 2-Fluorophenol			*60.8*	*12.0-120*	
(S) Phenol-d5			*59.6*	*10.0-120*	
(S) Nitrobenzene-d5			*56.5*	*10.0-122*	
(S) 2-Fluorobiphenyl			*60.1*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*66.5*	*10.0-127*	
(S) p-Terphenyl-d14			*64.6*	*10.0-120*	

L1770767-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770767-05 08/29/24 17:16 • (MS) R4113831-3 08/29/24 17:38 • (MSD) R4113831-4 08/29/24 18:00

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.709	ND	0.416	0.365	58.6	51.4	1	18.0-120			12.9	32
Acenaphthylene	0.709	ND	0.410	0.364	57.9	51.2	1	25.0-120			11.9	32
Anthracene	0.709	ND	0.462	0.386	65.1	54.2	1	22.0-120			18.0	29
Benzidine	1.41	ND	ND	ND	41.7	36.4	1	10.0-120			12.8	40
Benzo(a)anthracene	0.709	ND	0.493	0.407	69.5	57.2	1	25.0-120			19.0	29
Benzo(b)fluoranthene	0.709	ND	0.485	0.402	68.4	56.5	1	19.0-122			18.8	31
Benzo(k)fluoranthene	0.709	ND	0.470	0.386	66.3	54.2	1	23.0-120			19.8	30
Benzo(g,h,i)perylene	0.709	ND	0.437	0.357	61.6	50.2	1	10.0-120			20.2	33
Benzo(a)pyrene	0.709	ND	0.507	0.412	71.5	58.0	1	24.0-120			20.5	30
Bis(2-chlorethoxy)methane	0.709	ND	ND	ND	50.0	45.3	1	10.0-120			9.49	34
Bis(2-chloroethyl)ether	0.709	ND	0.392	0.362	55.3	50.9	1	10.0-120			7.95	40
2,2-Oxybis(1-Chloropropane)	0.709	ND	0.381	ND	53.8	49.8	1	10.0-120			7.28	40
4-Bromophenyl-phenylether	0.709	ND	0.447	0.380	63.0	53.5	1	27.0-120			16.1	30
2-Chloronaphthalene	0.709	ND	0.402	0.362	56.6	50.9	1	20.0-120			10.4	32
4-Chlorophenyl-phenylether	0.709	ND	0.444	0.384	62.7	54.1	1	24.0-120			14.5	29
Chrysene	0.709	ND	0.488	0.406	68.9	57.1	1	21.0-120			18.4	29
Dibenz(a,h)anthracene	0.709	ND	0.473	0.390	66.8	54.8	1	10.0-120			19.4	32
3,3-Dichlorobenzidine	1.41	ND	1.04	0.876	73.3	61.5	1	10.0-120			16.7	34
2,4-Dinitrotoluene	0.709	ND	0.487	0.406	68.7	57.1	1	30.0-120			18.2	31
2,6-Dinitrotoluene	0.709	ND	0.456	0.398	64.4	56.0	1	25.0-120			13.5	31

L1770767-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770767-05 08/29/24 17:16 • (MS) R4113831-3 08/29/24 17:38 • (MSD) R4113831-4 08/29/24 18:00

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoranthene	0.709	ND	0.501	0.413	70.7	58.1	1	18.0-126			19.2	32
Fluorene	0.709	ND	0.443	0.380	62.5	53.5	1	25.0-120			15.3	30
Hexachlorobenzene	0.709	ND	0.432	0.357	60.9	50.2	1	27.0-120			19.0	28
Hexachloro-1,3-butadiene	0.709	ND	ND	ND	46.2	42.8	1	10.0-120			7.46	38
Hexachlorocyclopentadiene	0.709	ND	ND	ND	21.0	19.3	1	10.0-120			8.24	40
Hexachloroethane	0.709	ND	ND	ND	48.3	46.1	1	10.0-120			4.47	40
Indeno(1,2,3-cd)pyrene	0.709	ND	0.457	0.375	64.5	52.7	1	10.0-120			19.8	32
Isophorone	0.709	ND	ND	ND	48.6	44.7	1	13.0-120			8.08	34
Naphthalene	0.709	ND	0.333	0.306	47.0	43.1	1	10.0-120			8.38	35
Nitrobenzene	0.709	ND	ND	ND	49.5	45.3	1	10.0-120			8.59	36
n-Nitrosodimethylamine	0.709	ND	0.420	0.384	59.2	54.1	1	10.0-127			8.79	40
n-Nitrosodiphenylamine	0.709	ND	0.456	0.378	64.4	53.2	1	17.0-120			18.7	29
n-Nitrosodi-n-propylamine	0.709	ND	0.411	0.381	58.0	53.6	1	10.0-120			7.57	37
Phenanthrene	0.709	ND	0.463	0.388	65.3	54.5	1	17.0-120			17.6	31
Benzylbutyl phthalate	0.709	ND	0.556	0.451	78.4	63.4	1	23.0-120			20.9	30
Bis(2-ethylhexyl)phthalate	0.709	ND	0.532	0.442	75.1	62.2	1	17.0-126			18.5	30
Di-n-butyl phthalate	0.709	ND	0.504	0.414	71.1	58.3	1	30.0-120			19.6	29
Diethyl phthalate	0.709	ND	0.459	0.394	64.8	55.4	1	26.0-120			15.3	28
Dimethyl phthalate	0.709	ND	0.441	0.389	62.2	54.7	1	25.0-120			12.6	29
Di-n-octyl phthalate	0.709	ND	0.564	0.465	79.6	65.4	1	21.0-123			19.4	29
Pyrene	0.709	ND	0.486	0.401	68.6	56.3	1	16.0-121			19.3	32
1,2,4-Trichlorobenzene	0.709	ND	ND	ND	46.4	43.2	1	12.0-120			6.73	37
4-Chloro-3-methylphenol	0.709	ND	0.399	ND	56.3	48.5	1	15.0-120			14.7	30
2-Chlorophenol	0.709	ND	0.424	0.392	59.8	55.1	1	15.0-120			7.87	37
2,4-Dichlorophenol	0.709	ND	0.386	ND	54.4	48.5	1	20.0-120			11.1	31
2,4-Dimethylphenol	0.709	ND	0.375	ND	52.9	47.4	1	10.0-120			10.5	33
4,6-Dinitro-2-methylphenol	0.709	ND	0.622	0.542	87.8	76.2	1	10.0-120			13.8	39
2,4-Dinitrophenol	0.709	ND	0.673	0.589	94.9	82.8	1	10.0-121			13.2	40
2-Methylphenol	0.709	ND	0.443	0.403	62.5	56.6	1	11.0-120			9.62	40
3&4-Methyl Phenol	0.709	ND	0.493	0.452	69.5	63.6	1	12.0-123			8.62	38
2-Nitrophenol	0.709	ND	0.420	0.389	59.2	54.7	1	12.0-120			7.68	39
4-Nitrophenol	0.709	ND	0.587	0.474	82.8	66.7	1	10.0-137			21.2	32
Pentachlorophenol	0.709	ND	0.486	0.413	68.6	58.1	1	10.0-160			16.2	31
Pyridine	0.709	ND	ND	ND	42.7	40.1	1	10.0-120			6.19	40
2,4,5-Trichlorophenol	0.709	ND	0.467	0.394	65.9	55.4	1	20.0-120			16.9	30
2,4,6-Trichlorophenol	0.709	ND	0.425	0.371	60.0	52.1	1	19.0-120			13.7	32
Phenol	0.709	ND	0.434	0.398	61.2	56.0	1	12.0-120			8.49	38
(S) 2-Fluorophenol					*62.5*	*58.9*		*12.0-120*				
(S) Phenol-d5					*58.0*	*55.4*		*10.0-120*				

L1770767-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770767-05 08/29/24 17:16 • (MS) R4113831-3 08/29/24 17:38 • (MSD) R4113831-4 08/29/24 18:00

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Nitrobenzene-d5					*45.6*	*43.4*		*10.0-122*				
(S) 2-Fluorobiphenyl					*53.8*	*50.3*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*66.2*	*56.3*		*10.0-127*				
(S) p-Terphenyl-d14					*64.4*	*56.0*		*10.0-120*				

DRAFT

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

DRAFT

Company Name/Address:
TRC - BNSF Region 4

6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
Accounts Payable
6 Executive Circle, Suite 200
Irvine, CA 92614

Pres Chk

Report to: **Jose Maldonado**

Email To: JMaldonado@trccompanies.com;EMata@trcco

Project Description: Lone Oak Barstow LLC

City/State Collected:

Please Circle: PT MT CT ET

Phone: **661-520-8414**

Client Project # **596818.0000.0000**

Lab Project # **BNSF4TRC-BARSTOWLOAK**

Collected by (print): Paul Krea

Site/Facility ID # Lone Oak

P.O. # 220608

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
✓ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 8ozClr-NoPres	M6010CAM17 8ozClr-NoPres	SV8270 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
SB-1-2	grab	SS	2	8/21/24	950	3	✓	✓	✓	✓		-01
SB-1-5		SS	5		1005						Hold	-02
SB-2-2		SS	2		1100		✓	✓	✓	✓		-03
SB-2-5		SS	5		1110						Hold	-04
SB-3-2		SS	2		1130		✓	✓	✓	✓		-05
SB-3-5		SS	5		1200						Hold	-06
SB-4-3	↓	SS	3	↓	1540	↓	✓	✓	✓	✓		-07
SB-5-2	grab	SS	2	8/22/24	805	3	✓	✓	✓	✓		-08
SB-5-5	↓	SS	5	↓	820	↓					Hold	-09
		SS										-

Chain of Custody Page 1 of 2

Pace
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MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1707167
L-070

Acctnum: **BNSF4TRC**
Template: **T258679**
Prelogin: **P1095906**
PM: **4089 - Andi R Jones**
PB:
Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6357 9921 8415

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	8/22/24				
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
				2.5+0.3=2.8 TLAB 5 1	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			CRoberts	08.23.24 0900	

Company Name/Address:
TRC - BNSF Region 4

6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
Accounts Payable
6 Executive Circle, Suite 200
Irvine, CA 92614

Pres Chk

Report to: **Jose Maldonado**

Email To: JMaldonado@trccompanies.com;EMata@trcco

Project Description: **Lone Oak Barstow LLC**

City/State Collected: Barstow / CA

Please Circle: PT MT CT ET

Phone: **661-520-8414**

Client Project # **596818.0000.0000**

Lab Project # **BNSF4TRC-BARSTOWLOAK**

Collected by (print): Paul Lee

Site/Facility ID # Lone Oak

P.O. # 220608

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
✓ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 8ozClr-NoPres	M6010CAM17 8ozClr-NoPres	SV8270 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr						Remarks	Sample # (lab only)
SB-6-2	grab	SS	2	8/22/24	1225	3	✓	✓	✓	✓							-10
SB-6-5	grab	SS	5	8/22/24	1230	3										Hold	-11
SB-1-10	grab	SS	10	8/22/24	855	3	✓	✓	✓	✓							-12
SB-1-15	↓	SS	15	↓	910	↓										Hold	-13
SB-1-20		SS	20		935		✓	✓	✓	✓							-14
SB-2-10		SS	10		1055		✓	✓	✓	✓							-15
SB-2-15		SS	15		1110											Hold	-16
SB-2-20	↓	SS	20	↓	1130	↓	✓	✓	✓	✓							-17
		SS															
		SS															

Chain of Custody Page 2 of 2

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MT JULIET, TN
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Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1707167

Table #

Acctnum: **BNSF4TRC**
Template: **T258679**
Prelogin: **P1095906**
PM: **4089 - Andi R Jones**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6035 9921 8415

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	8/22/24				
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.5+0.3=2.8 °C TLA9 Bottles Received: 51	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) CROBERTS	Date: 08.23.24 Time: 0900	Hold: Condition: NCF / OK

LT720767

Fed Ex tracking #	Gun ID	Temperature
6357 9921 8415	TLA9	2.5+0.3=2.8
6357 9921 8426	TLA9	1.3+0.3=1.6

Name

Date

ANALYTICAL REPORT

September 12, 2024

TRC - BNSF Region 4

Sample Delivery Group:	L1771233
Samples Received:	08/24/2024
Project Number:	59618
Description:	IOne Oak Barstow LLC
Site:	LONE OAK
Report To:	Jose Maldonado 6 Executive Circle, Suite 200 Irvine, CA 92614

Entire Report Reviewed By:

Andi R Jones
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SB-3-10 L1771233-01 Solid

Collected by: Paul Kee | Collected date/time: 08/22/24 13:20 | Received date/time: 08/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2350351	1	08/26/24 12:13	08/26/24 12:19	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2350089	1	08/25/24 15:51	08/26/24 21:49	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2350750	1	08/26/24 16:35	08/27/24 10:30	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355895	26.8	08/22/24 13:20	09/04/24 11:58	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2352812	1.16	08/22/24 13:20	08/29/24 13:06	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2350798	1	08/26/24 17:17	08/27/24 22:53	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2352596	1	08/29/24 07:20	08/30/24 00:37	AMS	Mt. Juliet, TN

SB-3-23 L1771233-04 Solid

Collected by: Paul Kee | Collected date/time: 08/22/24 15:25 | Received date/time: 08/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2350450	1	08/26/24 15:14	08/26/24 15:20	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2350089	1	08/25/24 15:51	08/26/24 21:52	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2350750	1	08/26/24 16:35	08/27/24 10:32	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355895	25	08/22/24 15:25	09/04/24 12:17	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2352812	1	08/22/24 15:25	08/29/24 13:28	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2350798	1	08/26/24 17:17	08/27/24 19:59	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2352596	1	08/29/24 07:20	08/30/24 01:41	AMS	Mt. Juliet, TN

SB-5-10 L1771233-05 Solid

Collected by: Paul Kee | Collected date/time: 08/23/24 07:40 | Received date/time: 08/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2350450	1	08/26/24 15:14	08/26/24 15:20	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2350089	1	08/25/24 15:51	08/26/24 22:00	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2350750	1	08/26/24 16:35	08/27/24 10:34	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355895	28.5	08/23/24 07:40	09/04/24 12:37	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2352812	1	08/23/24 07:40	08/29/24 13:50	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2350798	1	08/26/24 17:17	08/27/24 20:14	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2352596	1	08/29/24 07:20	08/30/24 00:59	AMS	Mt. Juliet, TN

SB-5-20 L1771233-07 Solid

Collected by: Paul Kee | Collected date/time: 08/23/24 08:00 | Received date/time: 08/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2350450	1	08/26/24 15:14	08/26/24 15:20	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2350089	1	08/25/24 15:51	08/26/24 22:02	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2350750	1	08/26/24 16:35	08/27/24 10:35	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355895	25	08/23/24 08:00	09/04/24 12:56	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2352812	1.08	08/23/24 08:00	08/29/24 14:12	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2350798	1	08/26/24 17:17	08/27/24 18:15	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2352596	1	08/29/24 07:20	08/30/24 02:03	AMS	Mt. Juliet, TN

SB-6-10 L1771233-08 Solid

Collected by: Paul Kee | Collected date/time: 08/23/24 11:55 | Received date/time: 08/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2350450	1	08/26/24 15:14	08/26/24 15:20	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2350089	1	08/25/24 15:51	08/26/24 22:05	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2350750	1	08/26/24 16:35	08/27/24 10:37	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355895	29.3	08/23/24 11:55	09/04/24 13:16	ACG	Mt. Juliet, TN

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SB-6-10 L1771233-08 Solid

Collected by: Paul Kee | Collected date/time: 08/23/24 11:55 | Received date/time: 08/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2352812	1.29	08/23/24 11:55	08/29/24 14:34	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2350798	1	08/26/24 17:17	08/27/24 18:30	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2352596	1	08/29/24 07:20	08/30/24 01:20	AMS	Mt. Juliet, TN

SC-WASTE-8-23-24 L1771233-12 Solid

Collected by: Paul Kee | Collected date/time: 08/23/24 14:10 | Received date/time: 08/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2350450	1	08/26/24 15:14	08/26/24 15:20	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2350089	1	08/25/24 15:51	08/26/24 22:08	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2350750	1	08/26/24 16:35	08/27/24 10:39	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355895	28	08/23/24 14:10	09/04/24 13:35	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354152	1.12	08/23/24 14:10	08/31/24 13:40	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2354820	1	09/02/24 15:16	09/04/24 06:13	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2355715	1	09/04/24 16:25	09/05/24 14:30	LS	Mt. Juliet, TN

SB-6-GW-23 L1771233-13 GW

Collected by: Paul Kee | Collected date/time: 08/23/24 14:40 | Received date/time: 08/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2360268	1	09/11/24 10:18	09/11/24 17:07	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2358957	1	09/10/24 14:14	09/10/24 17:21	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355941	1	09/04/24 13:27	09/04/24 13:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2350870	1	08/26/24 23:14	08/26/24 23:14	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2350936	1	08/27/24 09:44	08/27/24 19:55	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2351379	1	08/27/24 19:21	08/29/24 16:53	DSH	Mt. Juliet, TN

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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Andi R Jones
Project Manager

Sample Delivery Group (SDG) Narrative

Analysis was filtered in the laboratory.

Lab Sample ID	Project Sample ID	Method
L1771233-13	SB-6-GW-23	6020, 7470A
R4118682-3		7470A

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	08/26/2024 12:19	WG2350351

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0442	1	08/26/2024 21:49	WG2350089

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.21	1	08/27/2024 10:30	WG2350750
Arsenic	5.09		2.21	1	08/27/2024 10:30	WG2350750
Barium	54.6		0.552	1	08/27/2024 10:30	WG2350750
Beryllium	0.268		0.221	1	08/27/2024 10:30	WG2350750
Cadmium	ND		0.552	1	08/27/2024 10:30	WG2350750
Chromium	5.94		1.10	1	08/27/2024 10:30	WG2350750
Cobalt	3.26		1.10	1	08/27/2024 10:30	WG2350750
Copper	7.35		2.21	1	08/27/2024 10:30	WG2350750
Lead	5.45		0.552	1	08/27/2024 10:30	WG2350750
Molybdenum	1.16		0.552	1	08/27/2024 10:30	WG2350750
Nickel	4.02		2.21	1	08/27/2024 10:30	WG2350750
Selenium	ND		2.21	1	08/27/2024 10:30	WG2350750
Silver	ND		1.10	1	08/27/2024 10:30	WG2350750
Thallium	ND		2.21	1	08/27/2024 10:30	WG2350750
Vanadium	14.3		2.21	1	08/27/2024 10:30	WG2350750
Zinc	17.7		5.52	1	08/27/2024 10:30	WG2350750

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		3.22	26.8	09/04/2024 11:58	WG2355895
(S) a,a,a-Trifluorotoluene(FID)	*95.6*		*77.0-120*		*09/04/2024 11:58*	WG2355895

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0693	1.16	08/29/2024 13:06	WG2352812
Acrylonitrile	ND		0.0173	1.16	08/29/2024 13:06	WG2352812
Benzene	ND		0.00139	1.16	08/29/2024 13:06	WG2352812
Bromobenzene	ND		0.0173	1.16	08/29/2024 13:06	WG2352812
Bromodichloromethane	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
Bromoform	ND		0.0347	1.16	08/29/2024 13:06	WG2352812
Bromomethane	ND	J3	0.0173	1.16	08/29/2024 13:06	WG2352812
n-Butylbenzene	ND	J3	0.0173	1.16	08/29/2024 13:06	WG2352812
sec-Butylbenzene	ND		0.0173	1.16	08/29/2024 13:06	WG2352812
tert-Butylbenzene	ND	J4	0.00693	1.16	08/29/2024 13:06	WG2352812
Carbon tetrachloride	ND		0.00693	1.16	08/29/2024 13:06	WG2352812
Chlorobenzene	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
Chlorodibromomethane	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
Chloroethane	ND		0.00693	1.16	08/29/2024 13:06	WG2352812
Chloroform	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
Chloromethane	ND		0.0173	1.16	08/29/2024 13:06	WG2352812
2-Chlorotoluene	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
4-Chlorotoluene	ND		0.00693	1.16	08/29/2024 13:06	WG2352812

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0347	1.16	08/29/2024 13:06	WG2352812
1,2-Dibromoethane	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
Dibromomethane	ND		0.00693	1.16	08/29/2024 13:06	WG2352812
1,2-Dichlorobenzene	ND		0.00693	1.16	08/29/2024 13:06	WG2352812
1,3-Dichlorobenzene	ND		0.00693	1.16	08/29/2024 13:06	WG2352812
1,4-Dichlorobenzene	ND	J3	0.00693	1.16	08/29/2024 13:06	WG2352812
Dichlorodifluoromethane	ND	J3	0.00693	1.16	08/29/2024 13:06	WG2352812
1,1-Dichloroethane	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
1,2-Dichloroethane	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
1,1-Dichloroethene	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
cis-1,2-Dichloroethene	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
trans-1,2-Dichloroethene	ND		0.00693	1.16	08/29/2024 13:06	WG2352812
1,2-Dichloropropane	ND		0.00693	1.16	08/29/2024 13:06	WG2352812
1,1-Dichloropropene	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
1,3-Dichloropropane	ND		0.00693	1.16	08/29/2024 13:06	WG2352812
cis-1,3-Dichloropropene	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
trans-1,3-Dichloropropene	ND		0.00693	1.16	08/29/2024 13:06	WG2352812
2,2-Dichloropropane	ND	J3	0.00347	1.16	08/29/2024 13:06	WG2352812
Di-isopropyl ether	ND		0.00139	1.16	08/29/2024 13:06	WG2352812
Ethylbenzene	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
Hexachloro-1,3-butadiene	ND	J3	0.0347	1.16	08/29/2024 13:06	WG2352812
Isopropylbenzene	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
p-Isopropyltoluene	ND		0.00693	1.16	08/29/2024 13:06	WG2352812
2-Butanone (MEK)	ND		0.139	1.16	08/29/2024 13:06	WG2352812
Methylene Chloride	0.151	J3	0.0347	1.16	08/29/2024 13:06	WG2352812
4-Methyl-2-pentanone (MIBK)	ND		0.0347	1.16	08/29/2024 13:06	WG2352812
Methyl tert-butyl ether	ND		0.00139	1.16	08/29/2024 13:06	WG2352812
Naphthalene	0.103		0.0173	1.16	08/29/2024 13:06	WG2352812
n-Propylbenzene	ND		0.00693	1.16	08/29/2024 13:06	WG2352812
Styrene	ND		0.0173	1.16	08/29/2024 13:06	WG2352812
1,1,1,2-Tetrachloroethane	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
1,1,2,2-Tetrachloroethane	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
1,1,2-Trichlorotrifluoroethane	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
Tetrachloroethene	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
Toluene	ND		0.00693	1.16	08/29/2024 13:06	WG2352812
1,2,3-Trichlorobenzene	ND		0.0173	1.16	08/29/2024 13:06	WG2352812
1,2,4-Trichlorobenzene	ND		0.0173	1.16	08/29/2024 13:06	WG2352812
1,1,1-Trichloroethane	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
1,1,2-Trichloroethane	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
Trichloroethene	ND		0.00139	1.16	08/29/2024 13:06	WG2352812
Trichlorofluoromethane	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
1,2,3-Trichloropropane	ND		0.0173	1.16	08/29/2024 13:06	WG2352812
1,2,4-Trimethylbenzene	0.0361		0.00693	1.16	08/29/2024 13:06	WG2352812
1,2,3-Trimethylbenzene	0.0113		0.00693	1.16	08/29/2024 13:06	WG2352812
Vinyl chloride	ND		0.00347	1.16	08/29/2024 13:06	WG2352812
1,3,5-Trimethylbenzene	0.00849		0.00693	1.16	08/29/2024 13:06	WG2352812
Xylenes, Total	ND		0.00901	1.16	08/29/2024 13:06	WG2352812
(S) Toluene-d8	*94.6*		*75.0-131*		*08/29/2024 13:06*	WG2352812
(S) 4-Bromofluorobenzene	*93.7*		*67.0-138*		*08/29/2024 13:06*	WG2352812
(S) 1,2-Dichloroethane-d4	*75.2*		*70.0-130*		*08/29/2024 13:06*	WG2352812

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.42	1	08/27/2024 22:53	WG2350798
C22-C32 Hydrocarbons	ND		4.42	1	08/27/2024 22:53	WG2350798
C32-C40 Hydrocarbons	ND		4.42	1	08/27/2024 22:53	WG2350798
(S) o-Terphenyl	*76.5*		*18.0-148*		*08/27/2024 22:53*	WG2350798

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Acenaphthylene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Anthracene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Benzidine	ND		1.85	1	08/30/2024 00:37	WG2352596
Benzo(a)anthracene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Benzo(b)fluoranthene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Benzo(k)fluoranthene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Benzo(g,h,i)perylene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Benzo(a)pyrene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Bis(2-chlorethoxy)methane	ND		0.368	1	08/30/2024 00:37	WG2352596
Bis(2-chloroethyl)ether	ND		0.368	1	08/30/2024 00:37	WG2352596
2,2-Oxybis(1-Chloropropane)	ND		0.368	1	08/30/2024 00:37	WG2352596
4-Bromophenyl-phenylether	ND		0.368	1	08/30/2024 00:37	WG2352596
2-Chloronaphthalene	ND		0.0368	1	08/30/2024 00:37	WG2352596
4-Chlorophenyl-phenylether	ND		0.368	1	08/30/2024 00:37	WG2352596
Chrysene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Dibenz(a,h)anthracene	ND		0.0368	1	08/30/2024 00:37	WG2352596
3,3-Dichlorobenzidine	ND		0.368	1	08/30/2024 00:37	WG2352596
2,4-Dinitrotoluene	ND		0.368	1	08/30/2024 00:37	WG2352596
2,6-Dinitrotoluene	ND		0.368	1	08/30/2024 00:37	WG2352596
Fluoranthene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Fluorene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Hexachlorobenzene	ND		0.368	1	08/30/2024 00:37	WG2352596
Hexachloro-1,3-butadiene	ND		0.368	1	08/30/2024 00:37	WG2352596
Hexachlorocyclopentadiene	ND		0.368	1	08/30/2024 00:37	WG2352596
Hexachloroethane	ND		0.368	1	08/30/2024 00:37	WG2352596
Indeno(1,2,3-cd)pyrene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Isophorone	ND		0.368	1	08/30/2024 00:37	WG2352596
Naphthalene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Nitrobenzene	ND		0.368	1	08/30/2024 00:37	WG2352596
n-Nitrosodimethylamine	ND		0.368	1	08/30/2024 00:37	WG2352596
n-Nitrosodiphenylamine	ND		0.368	1	08/30/2024 00:37	WG2352596
n-Nitrosodi-n-propylamine	ND		0.368	1	08/30/2024 00:37	WG2352596
Phenanthrene	ND		0.0368	1	08/30/2024 00:37	WG2352596
Benzylbutyl phthalate	ND		0.368	1	08/30/2024 00:37	WG2352596
Bis(2-ethylhexyl)phthalate	ND		0.368	1	08/30/2024 00:37	WG2352596
Di-n-butyl phthalate	ND		0.368	1	08/30/2024 00:37	WG2352596
Diethyl phthalate	ND		0.368	1	08/30/2024 00:37	WG2352596
Dimethyl phthalate	ND		0.368	1	08/30/2024 00:37	WG2352596
Di-n-octyl phthalate	ND		0.368	1	08/30/2024 00:37	WG2352596
Pyrene	ND		0.0368	1	08/30/2024 00:37	WG2352596
1,2,4-Trichlorobenzene	ND		0.368	1	08/30/2024 00:37	WG2352596
4-Chloro-3-methylphenol	ND		0.368	1	08/30/2024 00:37	WG2352596
2-Chlorophenol	ND		0.368	1	08/30/2024 00:37	WG2352596
2,4-Dichlorophenol	ND		0.368	1	08/30/2024 00:37	WG2352596
2,4-Dimethylphenol	ND		0.368	1	08/30/2024 00:37	WG2352596
4,6-Dinitro-2-methylphenol	ND		0.368	1	08/30/2024 00:37	WG2352596
2,4-Dinitrophenol	ND		0.368	1	08/30/2024 00:37	WG2352596

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.368	1	08/30/2024 00:37	WG2352596
3&4-Methyl Phenol	ND		0.368	1	08/30/2024 00:37	WG2352596
2-Nitrophenol	ND		0.368	1	08/30/2024 00:37	WG2352596
4-Nitrophenol	ND		0.368	1	08/30/2024 00:37	WG2352596
Pentachlorophenol	ND		0.368	1	08/30/2024 00:37	WG2352596
Pyridine	ND		0.368	1	08/30/2024 00:37	WG2352596
2,4,5-Trichlorophenol	ND		0.368	1	08/30/2024 00:37	WG2352596
2,4,6-Trichlorophenol	ND		0.368	1	08/30/2024 00:37	WG2352596
Phenol	ND		0.368	1	08/30/2024 00:37	WG2352596
(S) 2-Fluorophenol	*58.1*		*12.0-120*		*08/30/2024 00:37*	WG2352596
(S) Phenol-d5	*54.1*		*10.0-120*		*08/30/2024 00:37*	WG2352596
(S) Nitrobenzene-d5	*49.7*		*10.0-122*		*08/30/2024 00:37*	WG2352596
(S) 2-Fluorobiphenyl	*50.9*		*15.0-120*		*08/30/2024 00:37*	WG2352596
(S) 2,4,6-Tribromophenol	*55.6*		*10.0-127*		*08/30/2024 00:37*	WG2352596
(S) p-Terphenyl-d14	*58.8*		*10.0-120*		*08/30/2024 00:37*	WG2352596

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	08/26/2024 15:20	WG2350450

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0458	1	08/26/2024 21:52	WG2350089

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.29	1	08/27/2024 10:32	WG2350750
Arsenic	11.6		2.29	1	08/27/2024 10:32	WG2350750
Barium	59.0		0.573	1	08/27/2024 10:32	WG2350750
Beryllium	ND		0.229	1	08/27/2024 10:32	WG2350750
Cadmium	ND		0.573	1	08/27/2024 10:32	WG2350750
Chromium	2.86		1.15	1	08/27/2024 10:32	WG2350750
Cobalt	2.01		1.15	1	08/27/2024 10:32	WG2350750
Copper	ND		2.29	1	08/27/2024 10:32	WG2350750
Lead	8.93		0.573	1	08/27/2024 10:32	WG2350750
Molybdenum	ND		0.573	1	08/27/2024 10:32	WG2350750
Nickel	ND		2.29	1	08/27/2024 10:32	WG2350750
Selenium	ND		2.29	1	08/27/2024 10:32	WG2350750
Silver	ND		1.15	1	08/27/2024 10:32	WG2350750
Thallium	ND		2.29	1	08/27/2024 10:32	WG2350750
Vanadium	16.8		2.29	1	08/27/2024 10:32	WG2350750
Zinc	46.1		5.73	1	08/27/2024 10:32	WG2350750

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	137		3.27	25	09/04/2024 12:17	WG2355895
(S) a,a,a-Trifluorotoluene(FID)	*94.8*		*77.0-120*		*09/04/2024 12:17*	WG2355895

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0645	1	08/29/2024 13:28	WG2352812
Acrylonitrile	ND		0.0161	1	08/29/2024 13:28	WG2352812
Benzene	ND		0.00129	1	08/29/2024 13:28	WG2352812
Bromobenzene	ND		0.0161	1	08/29/2024 13:28	WG2352812
Bromodichloromethane	ND		0.00323	1	08/29/2024 13:28	WG2352812
Bromoform	ND		0.0323	1	08/29/2024 13:28	WG2352812
Bromomethane	ND	J3	0.0161	1	08/29/2024 13:28	WG2352812
n-Butylbenzene	0.179	J3	0.0161	1	08/29/2024 13:28	WG2352812
sec-Butylbenzene	0.684		0.0161	1	08/29/2024 13:28	WG2352812
tert-Butylbenzene	0.0117	J4	0.00645	1	08/29/2024 13:28	WG2352812
Carbon tetrachloride	ND		0.00645	1	08/29/2024 13:28	WG2352812
Chlorobenzene	ND		0.00323	1	08/29/2024 13:28	WG2352812
Chlorodibromomethane	ND		0.00323	1	08/29/2024 13:28	WG2352812
Chloroethane	ND		0.00645	1	08/29/2024 13:28	WG2352812
Chloroform	ND		0.00323	1	08/29/2024 13:28	WG2352812
Chloromethane	ND		0.0161	1	08/29/2024 13:28	WG2352812
2-Chlorotoluene	ND		0.00323	1	08/29/2024 13:28	WG2352812
4-Chlorotoluene	ND		0.00645	1	08/29/2024 13:28	WG2352812

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0323	1	08/29/2024 13:28	WG2352812
1,2-Dibromoethane	ND		0.00323	1	08/29/2024 13:28	WG2352812
Dibromomethane	ND		0.00645	1	08/29/2024 13:28	WG2352812
1,2-Dichlorobenzene	ND		0.00645	1	08/29/2024 13:28	WG2352812
1,3-Dichlorobenzene	ND		0.00645	1	08/29/2024 13:28	WG2352812
1,4-Dichlorobenzene	ND	J3	0.00645	1	08/29/2024 13:28	WG2352812
Dichlorodifluoromethane	ND	J3	0.00645	1	08/29/2024 13:28	WG2352812
1,1-Dichloroethane	ND		0.00323	1	08/29/2024 13:28	WG2352812
1,2-Dichloroethane	ND		0.00323	1	08/29/2024 13:28	WG2352812
1,1-Dichloroethene	ND		0.00323	1	08/29/2024 13:28	WG2352812
cis-1,2-Dichloroethene	ND		0.00323	1	08/29/2024 13:28	WG2352812
trans-1,2-Dichloroethene	ND		0.00645	1	08/29/2024 13:28	WG2352812
1,2-Dichloropropane	ND		0.00645	1	08/29/2024 13:28	WG2352812
1,1-Dichloropropene	ND		0.00323	1	08/29/2024 13:28	WG2352812
1,3-Dichloropropane	ND		0.00645	1	08/29/2024 13:28	WG2352812
cis-1,3-Dichloropropene	ND		0.00323	1	08/29/2024 13:28	WG2352812
trans-1,3-Dichloropropene	ND		0.00645	1	08/29/2024 13:28	WG2352812
2,2-Dichloropropane	ND	J3	0.00323	1	08/29/2024 13:28	WG2352812
Di-isopropyl ether	ND		0.00129	1	08/29/2024 13:28	WG2352812
Ethylbenzene	0.880		0.00323	1	08/29/2024 13:28	WG2352812
Hexachloro-1,3-butadiene	ND	J3	0.0323	1	08/29/2024 13:28	WG2352812
Isopropylbenzene	0.458		0.00323	1	08/29/2024 13:28	WG2352812
p-Isopropyltoluene	0.0497		0.00645	1	08/29/2024 13:28	WG2352812
2-Butanone (MEK)	ND		0.129	1	08/29/2024 13:28	WG2352812
Methylene Chloride	0.137	J3	0.0323	1	08/29/2024 13:28	WG2352812
4-Methyl-2-pentanone (MIBK)	ND		0.0323	1	08/29/2024 13:28	WG2352812
Methyl tert-butyl ether	ND		0.00129	1	08/29/2024 13:28	WG2352812
Naphthalene	0.316		0.0161	1	08/29/2024 13:28	WG2352812
n-Propylbenzene	1.05		0.00645	1	08/29/2024 13:28	WG2352812
Styrene	ND		0.0161	1	08/29/2024 13:28	WG2352812
1,1,1,2-Tetrachloroethane	ND		0.00323	1	08/29/2024 13:28	WG2352812
1,1,2,2-Tetrachloroethane	ND		0.00323	1	08/29/2024 13:28	WG2352812
1,1,2-Trichlorotrifluoroethane	ND		0.00323	1	08/29/2024 13:28	WG2352812
Tetrachloroethene	ND		0.00323	1	08/29/2024 13:28	WG2352812
Toluene	0.00765		0.00645	1	08/29/2024 13:28	WG2352812
1,2,3-Trichlorobenzene	ND		0.0161	1	08/29/2024 13:28	WG2352812
1,2,4-Trichlorobenzene	ND		0.0161	1	08/29/2024 13:28	WG2352812
1,1,1-Trichloroethane	ND		0.00323	1	08/29/2024 13:28	WG2352812
1,1,2-Trichloroethane	ND		0.00323	1	08/29/2024 13:28	WG2352812
Trichloroethene	ND		0.00129	1	08/29/2024 13:28	WG2352812
Trichlorofluoromethane	ND		0.00323	1	08/29/2024 13:28	WG2352812
1,2,3-Trichloropropane	ND		0.0161	1	08/29/2024 13:28	WG2352812
1,2,4-Trimethylbenzene	0.967		0.00645	1	08/29/2024 13:28	WG2352812
1,2,3-Trimethylbenzene	0.329		0.00645	1	08/29/2024 13:28	WG2352812
Vinyl chloride	ND		0.00323	1	08/29/2024 13:28	WG2352812
1,3,5-Trimethylbenzene	0.277		0.00645	1	08/29/2024 13:28	WG2352812
Xylenes, Total	0.204		0.00839	1	08/29/2024 13:28	WG2352812
(S) Toluene-d8	*97.3*		*75.0-131*		*08/29/2024 13:28*	WG2352812
(S) 4-Bromofluorobenzene	*105*		*67.0-138*		*08/29/2024 13:28*	WG2352812
(S) 1,2-Dichloroethane-d4	*77.3*		*70.0-130*		*08/29/2024 13:28*	WG2352812

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	69.3		4.58	1	08/27/2024 19:59	WG2350798
C22-C32 Hydrocarbons	ND		4.58	1	08/27/2024 19:59	WG2350798
C32-C40 Hydrocarbons	ND		4.58	1	08/27/2024 19:59	WG2350798
(S) o-Terphenyl	*70.2*		*18.0-148*		*08/27/2024 19:59*	WG2350798

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0381	1	08/30/2024 01:41	WG2352596
Acenaphthylene	ND		0.0381	1	08/30/2024 01:41	WG2352596
Anthracene	ND		0.0381	1	08/30/2024 01:41	WG2352596
Benzidine	ND		1.91	1	08/30/2024 01:41	WG2352596
Benzo(a)anthracene	ND		0.0381	1	08/30/2024 01:41	WG2352596
Benzo(b)fluoranthene	ND		0.0381	1	08/30/2024 01:41	WG2352596
Benzo(k)fluoranthene	ND		0.0381	1	08/30/2024 01:41	WG2352596
Benzo(g,h,i)perylene	ND		0.0381	1	08/30/2024 01:41	WG2352596
Benzo(a)pyrene	ND		0.0381	1	08/30/2024 01:41	WG2352596
Bis(2-chlorethoxy)methane	ND		0.381	1	08/30/2024 01:41	WG2352596
Bis(2-chloroethyl)ether	ND		0.381	1	08/30/2024 01:41	WG2352596
2,2-Oxybis(1-Chloropropane)	ND		0.381	1	08/30/2024 01:41	WG2352596
4-Bromophenyl-phenylether	ND		0.381	1	08/30/2024 01:41	WG2352596
2-Chloronaphthalene	ND		0.0381	1	08/30/2024 01:41	WG2352596
4-Chlorophenyl-phenylether	ND		0.381	1	08/30/2024 01:41	WG2352596
Chrysene	ND		0.0381	1	08/30/2024 01:41	WG2352596
Dibenz(a,h)anthracene	ND		0.0381	1	08/30/2024 01:41	WG2352596
3,3-Dichlorobenzidine	ND		0.381	1	08/30/2024 01:41	WG2352596
2,4-Dinitrotoluene	ND		0.381	1	08/30/2024 01:41	WG2352596
2,6-Dinitrotoluene	ND		0.381	1	08/30/2024 01:41	WG2352596
Fluoranthene	ND		0.0381	1	08/30/2024 01:41	WG2352596
Fluorene	ND		0.0381	1	08/30/2024 01:41	WG2352596
Hexachlorobenzene	ND		0.381	1	08/30/2024 01:41	WG2352596
Hexachloro-1,3-butadiene	ND		0.381	1	08/30/2024 01:41	WG2352596
Hexachlorocyclopentadiene	ND		0.381	1	08/30/2024 01:41	WG2352596
Hexachloroethane	ND		0.381	1	08/30/2024 01:41	WG2352596
Indeno(1,2,3-cd)pyrene	ND		0.0381	1	08/30/2024 01:41	WG2352596
Isophorone	ND		0.381	1	08/30/2024 01:41	WG2352596
Naphthalene	0.109		0.0381	1	08/30/2024 01:41	WG2352596
Nitrobenzene	ND		0.381	1	08/30/2024 01:41	WG2352596
n-Nitrosodimethylamine	ND		0.381	1	08/30/2024 01:41	WG2352596
n-Nitrosodiphenylamine	ND		0.381	1	08/30/2024 01:41	WG2352596
n-Nitrosodi-n-propylamine	ND		0.381	1	08/30/2024 01:41	WG2352596
Phenanthrene	ND		0.0381	1	08/30/2024 01:41	WG2352596
Benzylbutyl phthalate	ND		0.381	1	08/30/2024 01:41	WG2352596
Bis(2-ethylhexyl)phthalate	ND		0.381	1	08/30/2024 01:41	WG2352596
Di-n-butyl phthalate	ND		0.381	1	08/30/2024 01:41	WG2352596
Diethyl phthalate	ND		0.381	1	08/30/2024 01:41	WG2352596
Dimethyl phthalate	ND		0.381	1	08/30/2024 01:41	WG2352596
Di-n-octyl phthalate	ND		0.381	1	08/30/2024 01:41	WG2352596
Pyrene	ND		0.0381	1	08/30/2024 01:41	WG2352596
1,2,4-Trichlorobenzene	ND		0.381	1	08/30/2024 01:41	WG2352596
4-Chloro-3-methylphenol	ND		0.381	1	08/30/2024 01:41	WG2352596
2-Chlorophenol	ND		0.381	1	08/30/2024 01:41	WG2352596
2,4-Dichlorophenol	ND		0.381	1	08/30/2024 01:41	WG2352596
2,4-Dimethylphenol	ND		0.381	1	08/30/2024 01:41	WG2352596
4,6-Dinitro-2-methylphenol	ND		0.381	1	08/30/2024 01:41	WG2352596
2,4-Dinitrophenol	ND		0.381	1	08/30/2024 01:41	WG2352596

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.381	1	08/30/2024 01:41	WG2352596
3&4-Methyl Phenol	ND		0.381	1	08/30/2024 01:41	WG2352596
2-Nitrophenol	ND		0.381	1	08/30/2024 01:41	WG2352596
4-Nitrophenol	ND		0.381	1	08/30/2024 01:41	WG2352596
Pentachlorophenol	ND		0.381	1	08/30/2024 01:41	WG2352596
Pyridine	ND		0.381	1	08/30/2024 01:41	WG2352596
2,4,5-Trichlorophenol	ND		0.381	1	08/30/2024 01:41	WG2352596
2,4,6-Trichlorophenol	ND		0.381	1	08/30/2024 01:41	WG2352596
Phenol	ND		0.381	1	08/30/2024 01:41	WG2352596
(S) 2-Fluorophenol	*60.4*		*12.0-120*		*08/30/2024 01:41*	WG2352596
(S) Phenol-d5	*57.6*		*10.0-120*		*08/30/2024 01:41*	WG2352596
(S) Nitrobenzene-d5	*52.8*		*10.0-122*		*08/30/2024 01:41*	WG2352596
(S) 2-Fluorobiphenyl	*56.6*		*15.0-120*		*08/30/2024 01:41*	WG2352596
(S) 2,4,6-Tribromophenol	*66.0*		*10.0-127*		*08/30/2024 01:41*	WG2352596
(S) p-Terphenyl-d14	*67.7*		*10.0-120*		*08/30/2024 01:41*	WG2352596

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	08/26/2024 15:20	WG2350450

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0424	1	08/26/2024 22:00	WG2350089

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.12	1	08/27/2024 10:34	WG2350750
Arsenic	2.98		2.12	1	08/27/2024 10:34	WG2350750
Barium	34.0		0.530	1	08/27/2024 10:34	WG2350750
Beryllium	ND		0.212	1	08/27/2024 10:34	WG2350750
Cadmium	ND		0.530	1	08/27/2024 10:34	WG2350750
Chromium	2.74		1.06	1	08/27/2024 10:34	WG2350750
Cobalt	1.47		1.06	1	08/27/2024 10:34	WG2350750
Copper	3.15		2.12	1	08/27/2024 10:34	WG2350750
Lead	4.21		0.530	1	08/27/2024 10:34	WG2350750
Molybdenum	ND		0.530	1	08/27/2024 10:34	WG2350750
Nickel	2.19		2.12	1	08/27/2024 10:34	WG2350750
Selenium	ND		2.12	1	08/27/2024 10:34	WG2350750
Silver	ND		1.06	1	08/27/2024 10:34	WG2350750
Thallium	ND		2.12	1	08/27/2024 10:34	WG2350750
Vanadium	8.85		2.12	1	08/27/2024 10:34	WG2350750
Zinc	12.9		5.30	1	08/27/2024 10:34	WG2350750

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	3.23	B	3.18	28.5	09/04/2024 12:37	WG2355895
(S) a,a,a-Trifluorotoluene(FID)	*94.7*		*77.0-120*		*09/04/2024 12:37*	WG2355895

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0561	1	08/29/2024 13:50	WG2352812
Acrylonitrile	ND		0.0140	1	08/29/2024 13:50	WG2352812
Benzene	ND		0.00112	1	08/29/2024 13:50	WG2352812
Bromobenzene	ND		0.0140	1	08/29/2024 13:50	WG2352812
Bromodichloromethane	ND		0.00280	1	08/29/2024 13:50	WG2352812
Bromoform	ND		0.0280	1	08/29/2024 13:50	WG2352812
Bromomethane	ND	J3	0.0140	1	08/29/2024 13:50	WG2352812
n-Butylbenzene	ND	J3	0.0140	1	08/29/2024 13:50	WG2352812
sec-Butylbenzene	0.0170		0.0140	1	08/29/2024 13:50	WG2352812
tert-Butylbenzene	ND	J4	0.00561	1	08/29/2024 13:50	WG2352812
Carbon tetrachloride	ND		0.00561	1	08/29/2024 13:50	WG2352812
Chlorobenzene	ND		0.00280	1	08/29/2024 13:50	WG2352812
Chlorodibromomethane	ND		0.00280	1	08/29/2024 13:50	WG2352812
Chloroethane	ND		0.00561	1	08/29/2024 13:50	WG2352812
Chloroform	ND		0.00280	1	08/29/2024 13:50	WG2352812
Chloromethane	ND		0.0140	1	08/29/2024 13:50	WG2352812
2-Chlorotoluene	ND		0.00280	1	08/29/2024 13:50	WG2352812
4-Chlorotoluene	ND		0.00561	1	08/29/2024 13:50	WG2352812

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0280	1	08/29/2024 13:50	WG2352812
1,2-Dibromoethane	ND		0.00280	1	08/29/2024 13:50	WG2352812
Dibromomethane	ND		0.00561	1	08/29/2024 13:50	WG2352812
1,2-Dichlorobenzene	ND		0.00561	1	08/29/2024 13:50	WG2352812
1,3-Dichlorobenzene	ND		0.00561	1	08/29/2024 13:50	WG2352812
1,4-Dichlorobenzene	ND	J3	0.00561	1	08/29/2024 13:50	WG2352812
Dichlorodifluoromethane	ND	J3	0.00561	1	08/29/2024 13:50	WG2352812
1,1-Dichloroethane	ND		0.00280	1	08/29/2024 13:50	WG2352812
1,2-Dichloroethane	ND		0.00280	1	08/29/2024 13:50	WG2352812
1,1-Dichloroethene	ND		0.00280	1	08/29/2024 13:50	WG2352812
cis-1,2-Dichloroethene	ND		0.00280	1	08/29/2024 13:50	WG2352812
trans-1,2-Dichloroethene	ND		0.00561	1	08/29/2024 13:50	WG2352812
1,2-Dichloropropane	ND		0.00561	1	08/29/2024 13:50	WG2352812
1,1-Dichloropropene	ND		0.00280	1	08/29/2024 13:50	WG2352812
1,3-Dichloropropane	ND		0.00561	1	08/29/2024 13:50	WG2352812
cis-1,3-Dichloropropene	ND		0.00280	1	08/29/2024 13:50	WG2352812
trans-1,3-Dichloropropene	ND		0.00561	1	08/29/2024 13:50	WG2352812
2,2-Dichloropropane	ND	J3	0.00280	1	08/29/2024 13:50	WG2352812
Di-isopropyl ether	ND		0.00112	1	08/29/2024 13:50	WG2352812
Ethylbenzene	0.00303		0.00280	1	08/29/2024 13:50	WG2352812
Hexachloro-1,3-butadiene	ND	J3	0.0280	1	08/29/2024 13:50	WG2352812
Isopropylbenzene	0.00437		0.00280	1	08/29/2024 13:50	WG2352812
p-Isopropyltoluene	ND		0.00561	1	08/29/2024 13:50	WG2352812
2-Butanone (MEK)	ND		0.112	1	08/29/2024 13:50	WG2352812
Methylene Chloride	0.115	J3	0.0280	1	08/29/2024 13:50	WG2352812
4-Methyl-2-pentanone (MIBK)	ND		0.0280	1	08/29/2024 13:50	WG2352812
Methyl tert-butyl ether	ND		0.00112	1	08/29/2024 13:50	WG2352812
Naphthalene	ND		0.0140	1	08/29/2024 13:50	WG2352812
n-Propylbenzene	0.0149		0.00561	1	08/29/2024 13:50	WG2352812
Styrene	ND		0.0140	1	08/29/2024 13:50	WG2352812
1,1,1,2-Tetrachloroethane	ND		0.00280	1	08/29/2024 13:50	WG2352812
1,1,2,2-Tetrachloroethane	ND		0.00280	1	08/29/2024 13:50	WG2352812
1,1,2-Trichlorotrifluoroethane	ND		0.00280	1	08/29/2024 13:50	WG2352812
Tetrachloroethene	ND		0.00280	1	08/29/2024 13:50	WG2352812
Toluene	ND		0.00561	1	08/29/2024 13:50	WG2352812
1,2,3-Trichlorobenzene	ND		0.0140	1	08/29/2024 13:50	WG2352812
1,2,4-Trichlorobenzene	ND		0.0140	1	08/29/2024 13:50	WG2352812
1,1,1-Trichloroethane	ND		0.00280	1	08/29/2024 13:50	WG2352812
1,1,2-Trichloroethane	ND		0.00280	1	08/29/2024 13:50	WG2352812
Trichloroethene	ND		0.00112	1	08/29/2024 13:50	WG2352812
Trichlorofluoromethane	ND		0.00280	1	08/29/2024 13:50	WG2352812
1,2,3-Trichloropropane	ND		0.0140	1	08/29/2024 13:50	WG2352812
1,2,4-Trimethylbenzene	0.0129		0.00561	1	08/29/2024 13:50	WG2352812
1,2,3-Trimethylbenzene	ND		0.00561	1	08/29/2024 13:50	WG2352812
Vinyl chloride	ND		0.00280	1	08/29/2024 13:50	WG2352812
1,3,5-Trimethylbenzene	ND		0.00561	1	08/29/2024 13:50	WG2352812
Xylenes, Total	ND		0.00729	1	08/29/2024 13:50	WG2352812
(S) Toluene-d8	*95.9*		*75.0-131*		*08/29/2024 13:50*	WG2352812
(S) 4-Bromofluorobenzene	*93.4*		*67.0-138*		*08/29/2024 13:50*	WG2352812
(S) 1,2-Dichloroethane-d4	*75.2*		*70.0-130*		*08/29/2024 13:50*	WG2352812

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.24	1	08/27/2024 20:14	WG2350798
C22-C32 Hydrocarbons	ND		4.24	1	08/27/2024 20:14	WG2350798
C32-C40 Hydrocarbons	ND		4.24	1	08/27/2024 20:14	WG2350798
(S) o-Terphenyl	*75.9*		*18.0-148*		*08/27/2024 20:14*	WG2350798

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Acenaphthylene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Anthracene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Benzidine	ND		1.77	1	08/30/2024 00:59	WG2352596
Benzo(a)anthracene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Benzo(b)fluoranthene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Benzo(k)fluoranthene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Benzo(g,h,i)perylene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Benzo(a)pyrene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Bis(2-chlorethoxy)methane	ND		0.353	1	08/30/2024 00:59	WG2352596
Bis(2-chloroethyl)ether	ND		0.353	1	08/30/2024 00:59	WG2352596
2,2-Oxybis(1-Chloropropane)	ND		0.353	1	08/30/2024 00:59	WG2352596
4-Bromophenyl-phenylether	ND		0.353	1	08/30/2024 00:59	WG2352596
2-Chloronaphthalene	ND		0.0353	1	08/30/2024 00:59	WG2352596
4-Chlorophenyl-phenylether	ND		0.353	1	08/30/2024 00:59	WG2352596
Chrysene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Dibenz(a,h)anthracene	ND		0.0353	1	08/30/2024 00:59	WG2352596
3,3-Dichlorobenzidine	ND		0.353	1	08/30/2024 00:59	WG2352596
2,4-Dinitrotoluene	ND		0.353	1	08/30/2024 00:59	WG2352596
2,6-Dinitrotoluene	ND		0.353	1	08/30/2024 00:59	WG2352596
Fluoranthene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Fluorene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Hexachlorobenzene	ND		0.353	1	08/30/2024 00:59	WG2352596
Hexachloro-1,3-butadiene	ND		0.353	1	08/30/2024 00:59	WG2352596
Hexachlorocyclopentadiene	ND		0.353	1	08/30/2024 00:59	WG2352596
Hexachloroethane	ND		0.353	1	08/30/2024 00:59	WG2352596
Indeno(1,2,3-cd)pyrene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Isophorone	ND		0.353	1	08/30/2024 00:59	WG2352596
Naphthalene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Nitrobenzene	ND		0.353	1	08/30/2024 00:59	WG2352596
n-Nitrosodimethylamine	ND		0.353	1	08/30/2024 00:59	WG2352596
n-Nitrosodiphenylamine	ND		0.353	1	08/30/2024 00:59	WG2352596
n-Nitrosodi-n-propylamine	ND		0.353	1	08/30/2024 00:59	WG2352596
Phenanthrene	ND		0.0353	1	08/30/2024 00:59	WG2352596
Benzylbutyl phthalate	ND		0.353	1	08/30/2024 00:59	WG2352596
Bis(2-ethylhexyl)phthalate	ND		0.353	1	08/30/2024 00:59	WG2352596
Di-n-butyl phthalate	ND		0.353	1	08/30/2024 00:59	WG2352596
Diethyl phthalate	ND		0.353	1	08/30/2024 00:59	WG2352596
Dimethyl phthalate	ND		0.353	1	08/30/2024 00:59	WG2352596
Di-n-octyl phthalate	ND		0.353	1	08/30/2024 00:59	WG2352596
Pyrene	ND		0.0353	1	08/30/2024 00:59	WG2352596
1,2,4-Trichlorobenzene	ND		0.353	1	08/30/2024 00:59	WG2352596
4-Chloro-3-methylphenol	ND		0.353	1	08/30/2024 00:59	WG2352596
2-Chlorophenol	ND		0.353	1	08/30/2024 00:59	WG2352596
2,4-Dichlorophenol	ND		0.353	1	08/30/2024 00:59	WG2352596
2,4-Dimethylphenol	ND		0.353	1	08/30/2024 00:59	WG2352596
4,6-Dinitro-2-methylphenol	ND		0.353	1	08/30/2024 00:59	WG2352596
2,4-Dinitrophenol	ND		0.353	1	08/30/2024 00:59	WG2352596

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.353	1	08/30/2024 00:59	WG2352596
3&4-Methyl Phenol	ND		0.353	1	08/30/2024 00:59	WG2352596
2-Nitrophenol	ND		0.353	1	08/30/2024 00:59	WG2352596
4-Nitrophenol	ND		0.353	1	08/30/2024 00:59	WG2352596
Pentachlorophenol	ND		0.353	1	08/30/2024 00:59	WG2352596
Pyridine	ND		0.353	1	08/30/2024 00:59	WG2352596
2,4,5-Trichlorophenol	ND		0.353	1	08/30/2024 00:59	WG2352596
2,4,6-Trichlorophenol	ND		0.353	1	08/30/2024 00:59	WG2352596
Phenol	ND		0.353	1	08/30/2024 00:59	WG2352596
(S) 2-Fluorophenol	*59.6*		*12.0-120*		*08/30/2024 00:59*	WG2352596
(S) Phenol-d5	*55.5*		*10.0-120*		*08/30/2024 00:59*	WG2352596
(S) Nitrobenzene-d5	*50.9*		*10.0-122*		*08/30/2024 00:59*	WG2352596
(S) 2-Fluorobiphenyl	*51.8*		*15.0-120*		*08/30/2024 00:59*	WG2352596
(S) 2,4,6-Tribromophenol	*54.6*		*10.0-127*		*08/30/2024 00:59*	WG2352596
(S) p-Terphenyl-d14	*60.1*		*10.0-120*		*08/30/2024 00:59*	WG2352596

DRAFT

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.6		1	08/26/2024 15:20	WG2350450

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0479	1	08/26/2024 22:02	WG2350089

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.39	1	08/27/2024 10:35	WG2350750
Arsenic	13.8		2.39	1	08/27/2024 10:35	WG2350750
Barium	52.2		0.598	1	08/27/2024 10:35	WG2350750
Beryllium	0.564		0.239	1	08/27/2024 10:35	WG2350750
Cadmium	2.24		0.598	1	08/27/2024 10:35	WG2350750
Chromium	2.21		1.20	1	08/27/2024 10:35	WG2350750
Cobalt	5.75		1.20	1	08/27/2024 10:35	WG2350750
Copper	7.08		2.39	1	08/27/2024 10:35	WG2350750
Lead	23.1		0.598	1	08/27/2024 10:35	WG2350750
Molybdenum	0.780		0.598	1	08/27/2024 10:35	WG2350750
Nickel	5.59		2.39	1	08/27/2024 10:35	WG2350750
Selenium	ND		2.39	1	08/27/2024 10:35	WG2350750
Silver	ND		1.20	1	08/27/2024 10:35	WG2350750
Thallium	ND		2.39	1	08/27/2024 10:35	WG2350750
Vanadium	12.2		2.39	1	08/27/2024 10:35	WG2350750
Zinc	286		5.98	1	08/27/2024 10:35	WG2350750

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		3.48	25	09/04/2024 12:56	WG2355895
(S) a,a,a-Trifluorotoluene(FID)	*95.2*		*77.0-120*		*09/04/2024 12:56*	WG2355895

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0745	1.08	08/29/2024 14:12	WG2352812
Acrylonitrile	ND		0.0186	1.08	08/29/2024 14:12	WG2352812
Benzene	ND		0.00149	1.08	08/29/2024 14:12	WG2352812
Bromobenzene	ND		0.0186	1.08	08/29/2024 14:12	WG2352812
Bromodichloromethane	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
Bromoform	ND		0.0372	1.08	08/29/2024 14:12	WG2352812
Bromomethane	ND	J3	0.0186	1.08	08/29/2024 14:12	WG2352812
n-Butylbenzene	ND	J3	0.0186	1.08	08/29/2024 14:12	WG2352812
sec-Butylbenzene	ND		0.0186	1.08	08/29/2024 14:12	WG2352812
tert-Butylbenzene	ND	J4	0.00745	1.08	08/29/2024 14:12	WG2352812
Carbon tetrachloride	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
Chlorobenzene	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
Chlorodibromomethane	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
Chloroethane	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
Chloroform	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
Chloromethane	ND		0.0186	1.08	08/29/2024 14:12	WG2352812
2-Chlorotoluene	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
4-Chlorotoluene	ND		0.00745	1.08	08/29/2024 14:12	WG2352812

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0372	1.08	08/29/2024 14:12	WG2352812
1,2-Dibromoethane	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
Dibromomethane	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
1,2-Dichlorobenzene	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
1,3-Dichlorobenzene	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
1,4-Dichlorobenzene	ND	J3	0.00745	1.08	08/29/2024 14:12	WG2352812
Dichlorodifluoromethane	ND	J3	0.00745	1.08	08/29/2024 14:12	WG2352812
1,1-Dichloroethane	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
1,2-Dichloroethane	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
1,1-Dichloroethene	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
cis-1,2-Dichloroethene	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
trans-1,2-Dichloroethene	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
1,2-Dichloropropane	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
1,1-Dichloropropene	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
1,3-Dichloropropane	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
cis-1,3-Dichloropropene	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
trans-1,3-Dichloropropene	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
2,2-Dichloropropane	ND	J3	0.00372	1.08	08/29/2024 14:12	WG2352812
Di-isopropyl ether	ND		0.00149	1.08	08/29/2024 14:12	WG2352812
Ethylbenzene	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
Hexachloro-1,3-butadiene	ND	J3	0.0372	1.08	08/29/2024 14:12	WG2352812
Isopropylbenzene	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
p-Isopropyltoluene	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
2-Butanone (MEK)	ND		0.149	1.08	08/29/2024 14:12	WG2352812
Methylene Chloride	0.157	J3	0.0372	1.08	08/29/2024 14:12	WG2352812
4-Methyl-2-pentanone (MIBK)	ND		0.0372	1.08	08/29/2024 14:12	WG2352812
Methyl tert-butyl ether	ND		0.00149	1.08	08/29/2024 14:12	WG2352812
Naphthalene	ND		0.0186	1.08	08/29/2024 14:12	WG2352812
n-Propylbenzene	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
Styrene	ND		0.0186	1.08	08/29/2024 14:12	WG2352812
1,1,1,2-Tetrachloroethane	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
1,1,2,2-Tetrachloroethane	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
1,1,2-Trichlorotrifluoroethane	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
Tetrachloroethene	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
Toluene	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
1,2,3-Trichlorobenzene	ND		0.0186	1.08	08/29/2024 14:12	WG2352812
1,2,4-Trichlorobenzene	ND		0.0186	1.08	08/29/2024 14:12	WG2352812
1,1,1-Trichloroethane	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
1,1,2-Trichloroethane	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
Trichloroethene	ND		0.00149	1.08	08/29/2024 14:12	WG2352812
Trichlorofluoromethane	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
1,2,3-Trichloropropane	ND		0.0186	1.08	08/29/2024 14:12	WG2352812
1,2,4-Trimethylbenzene	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
1,2,3-Trimethylbenzene	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
Vinyl chloride	ND		0.00372	1.08	08/29/2024 14:12	WG2352812
1,3,5-Trimethylbenzene	ND		0.00745	1.08	08/29/2024 14:12	WG2352812
Xylenes, Total	ND		0.00968	1.08	08/29/2024 14:12	WG2352812
(S) Toluene-d8	*97.2*		*75.0-131*		*08/29/2024 14:12*	WG2352812
(S) 4-Bromofluorobenzene	*97.0*		*67.0-138*		*08/29/2024 14:12*	WG2352812
(S) 1,2-Dichloroethane-d4	*80.1*		*70.0-130*		*08/29/2024 14:12*	WG2352812

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.79	1	08/27/2024 18:15	WG2350798
C22-C32 Hydrocarbons	ND		4.79	1	08/27/2024 18:15	WG2350798
C32-C40 Hydrocarbons	ND		4.79	1	08/27/2024 18:15	WG2350798
(S) o-Terphenyl	*68.6*		*18.0-148*		*08/27/2024 18:15*	WG2350798

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Acenaphthylene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Anthracene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Benzidine	ND		2.00	1	08/30/2024 02:03	WG2352596
Benzo(a)anthracene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Benzo(b)fluoranthene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Benzo(k)fluoranthene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Benzo(g,h,i)perylene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Benzo(a)pyrene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Bis(2-chlorethoxy)methane	ND		0.398	1	08/30/2024 02:03	WG2352596
Bis(2-chloroethyl)ether	ND		0.398	1	08/30/2024 02:03	WG2352596
2,2-Oxybis(1-Chloropropane)	ND		0.398	1	08/30/2024 02:03	WG2352596
4-Bromophenyl-phenylether	ND		0.398	1	08/30/2024 02:03	WG2352596
2-Chloronaphthalene	ND		0.0398	1	08/30/2024 02:03	WG2352596
4-Chlorophenyl-phenylether	ND		0.398	1	08/30/2024 02:03	WG2352596
Chrysene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Dibenz(a,h)anthracene	ND		0.0398	1	08/30/2024 02:03	WG2352596
3,3-Dichlorobenzidine	ND		0.398	1	08/30/2024 02:03	WG2352596
2,4-Dinitrotoluene	ND		0.398	1	08/30/2024 02:03	WG2352596
2,6-Dinitrotoluene	ND		0.398	1	08/30/2024 02:03	WG2352596
Fluoranthene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Fluorene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Hexachlorobenzene	ND		0.398	1	08/30/2024 02:03	WG2352596
Hexachloro-1,3-butadiene	ND		0.398	1	08/30/2024 02:03	WG2352596
Hexachlorocyclopentadiene	ND		0.398	1	08/30/2024 02:03	WG2352596
Hexachloroethane	ND		0.398	1	08/30/2024 02:03	WG2352596
Indeno(1,2,3-cd)pyrene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Isophorone	ND		0.398	1	08/30/2024 02:03	WG2352596
Naphthalene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Nitrobenzene	ND		0.398	1	08/30/2024 02:03	WG2352596
n-Nitrosodimethylamine	ND		0.398	1	08/30/2024 02:03	WG2352596
n-Nitrosodiphenylamine	ND		0.398	1	08/30/2024 02:03	WG2352596
n-Nitrosodi-n-propylamine	ND		0.398	1	08/30/2024 02:03	WG2352596
Phenanthrene	ND		0.0398	1	08/30/2024 02:03	WG2352596
Benzylbutyl phthalate	ND		0.398	1	08/30/2024 02:03	WG2352596
Bis(2-ethylhexyl)phthalate	ND		0.398	1	08/30/2024 02:03	WG2352596
Di-n-butyl phthalate	ND		0.398	1	08/30/2024 02:03	WG2352596
Diethyl phthalate	ND		0.398	1	08/30/2024 02:03	WG2352596
Dimethyl phthalate	ND		0.398	1	08/30/2024 02:03	WG2352596
Di-n-octyl phthalate	ND		0.398	1	08/30/2024 02:03	WG2352596
Pyrene	ND		0.0398	1	08/30/2024 02:03	WG2352596
1,2,4-Trichlorobenzene	ND		0.398	1	08/30/2024 02:03	WG2352596
4-Chloro-3-methylphenol	ND		0.398	1	08/30/2024 02:03	WG2352596
2-Chlorophenol	ND		0.398	1	08/30/2024 02:03	WG2352596
2,4-Dichlorophenol	ND		0.398	1	08/30/2024 02:03	WG2352596
2,4-Dimethylphenol	ND		0.398	1	08/30/2024 02:03	WG2352596
4,6-Dinitro-2-methylphenol	ND		0.398	1	08/30/2024 02:03	WG2352596
2,4-Dinitrophenol	ND		0.398	1	08/30/2024 02:03	WG2352596

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.398	1	08/30/2024 02:03	WG2352596
3&4-Methyl Phenol	ND		0.398	1	08/30/2024 02:03	WG2352596
2-Nitrophenol	ND		0.398	1	08/30/2024 02:03	WG2352596
4-Nitrophenol	ND		0.398	1	08/30/2024 02:03	WG2352596
Pentachlorophenol	ND		0.398	1	08/30/2024 02:03	WG2352596
Pyridine	ND		0.398	1	08/30/2024 02:03	WG2352596
2,4,5-Trichlorophenol	ND		0.398	1	08/30/2024 02:03	WG2352596
2,4,6-Trichlorophenol	ND		0.398	1	08/30/2024 02:03	WG2352596
Phenol	ND		0.398	1	08/30/2024 02:03	WG2352596
(S) 2-Fluorophenol	*59.6*		*12.0-120*		*08/30/2024 02:03*	WG2352596
(S) Phenol-d5	*55.5*		*10.0-120*		*08/30/2024 02:03*	WG2352596
(S) Nitrobenzene-d5	*49.5*		*10.0-122*		*08/30/2024 02:03*	WG2352596
(S) 2-Fluorobiphenyl	*51.4*		*15.0-120*		*08/30/2024 02:03*	WG2352596
(S) 2,4,6-Tribromophenol	*54.9*		*10.0-127*		*08/30/2024 02:03*	WG2352596
(S) p-Terphenyl-d14	*64.1*		*10.0-120*		*08/30/2024 02:03*	WG2352596

DRAFT

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	08/26/2024 15:20	WG2350450

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0432	1	08/26/2024 22:05	WG2350089

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.16	1	08/27/2024 10:37	WG2350750
Arsenic	2.66		2.16	1	08/27/2024 10:37	WG2350750
Barium	64.6		0.540	1	08/27/2024 10:37	WG2350750
Beryllium	0.246		0.216	1	08/27/2024 10:37	WG2350750
Cadmium	ND		0.540	1	08/27/2024 10:37	WG2350750
Chromium	4.20		1.08	1	08/27/2024 10:37	WG2350750
Cobalt	2.55		1.08	1	08/27/2024 10:37	WG2350750
Copper	5.58		2.16	1	08/27/2024 10:37	WG2350750
Lead	5.07		0.540	1	08/27/2024 10:37	WG2350750
Molybdenum	ND		0.540	1	08/27/2024 10:37	WG2350750
Nickel	3.72		2.16	1	08/27/2024 10:37	WG2350750
Selenium	ND		2.16	1	08/27/2024 10:37	WG2350750
Silver	ND		1.08	1	08/27/2024 10:37	WG2350750
Thallium	ND		2.16	1	08/27/2024 10:37	WG2350750
Vanadium	12.0		2.16	1	08/27/2024 10:37	WG2350750
Zinc	13.6		5.40	1	08/27/2024 10:37	WG2350750

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		3.37	29.3	09/04/2024 13:16	WG2355895
(S) a,a,a-Trifluorotoluene(FID)	*95.4*		*77.0-120*		*09/04/2024 13:16*	WG2355895

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0737	1.29	08/29/2024 14:34	WG2352812
Acrylonitrile	ND		0.0184	1.29	08/29/2024 14:34	WG2352812
Benzene	ND		0.00147	1.29	08/29/2024 14:34	WG2352812
Bromobenzene	ND		0.0184	1.29	08/29/2024 14:34	WG2352812
Bromodichloromethane	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
Bromoform	ND		0.0369	1.29	08/29/2024 14:34	WG2352812
Bromomethane	ND	J3	0.0184	1.29	08/29/2024 14:34	WG2352812
n-Butylbenzene	ND	J3	0.0184	1.29	08/29/2024 14:34	WG2352812
sec-Butylbenzene	ND		0.0184	1.29	08/29/2024 14:34	WG2352812
tert-Butylbenzene	ND	J4	0.00737	1.29	08/29/2024 14:34	WG2352812
Carbon tetrachloride	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
Chlorobenzene	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
Chlorodibromomethane	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
Chloroethane	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
Chloroform	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
Chloromethane	ND		0.0184	1.29	08/29/2024 14:34	WG2352812
2-Chlorotoluene	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
4-Chlorotoluene	ND		0.00737	1.29	08/29/2024 14:34	WG2352812

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0369	1.29	08/29/2024 14:34	WG2352812
1,2-Dibromoethane	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
Dibromomethane	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
1,2-Dichlorobenzene	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
1,3-Dichlorobenzene	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
1,4-Dichlorobenzene	ND	J3	0.00737	1.29	08/29/2024 14:34	WG2352812
Dichlorodifluoromethane	ND	J3	0.00737	1.29	08/29/2024 14:34	WG2352812
1,1-Dichloroethane	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
1,2-Dichloroethane	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
1,1-Dichloroethene	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
cis-1,2-Dichloroethene	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
trans-1,2-Dichloroethene	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
1,2-Dichloropropane	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
1,1-Dichloropropene	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
1,3-Dichloropropane	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
cis-1,3-Dichloropropene	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
trans-1,3-Dichloropropene	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
2,2-Dichloropropane	ND	J3	0.00369	1.29	08/29/2024 14:34	WG2352812
Di-isopropyl ether	ND		0.00147	1.29	08/29/2024 14:34	WG2352812
Ethylbenzene	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
Hexachloro-1,3-butadiene	ND	J3	0.0369	1.29	08/29/2024 14:34	WG2352812
Isopropylbenzene	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
p-Isopropyltoluene	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
2-Butanone (MEK)	ND		0.147	1.29	08/29/2024 14:34	WG2352812
Methylene Chloride	0.166	J3	0.0369	1.29	08/29/2024 14:34	WG2352812
4-Methyl-2-pentanone (MIBK)	ND		0.0369	1.29	08/29/2024 14:34	WG2352812
Methyl tert-butyl ether	ND		0.00147	1.29	08/29/2024 14:34	WG2352812
Naphthalene	ND		0.0184	1.29	08/29/2024 14:34	WG2352812
n-Propylbenzene	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
Styrene	ND		0.0184	1.29	08/29/2024 14:34	WG2352812
1,1,1,2-Tetrachloroethane	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
1,1,2,2-Tetrachloroethane	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
1,1,2-Trichlorotrifluoroethane	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
Tetrachloroethene	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
Toluene	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
1,2,3-Trichlorobenzene	ND		0.0184	1.29	08/29/2024 14:34	WG2352812
1,2,4-Trichlorobenzene	ND		0.0184	1.29	08/29/2024 14:34	WG2352812
1,1,1-Trichloroethane	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
1,1,2-Trichloroethane	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
Trichloroethene	ND		0.00147	1.29	08/29/2024 14:34	WG2352812
Trichlorofluoromethane	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
1,2,3-Trichloropropane	ND		0.0184	1.29	08/29/2024 14:34	WG2352812
1,2,4-Trimethylbenzene	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
1,2,3-Trimethylbenzene	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
Vinyl chloride	ND		0.00369	1.29	08/29/2024 14:34	WG2352812
1,3,5-Trimethylbenzene	ND		0.00737	1.29	08/29/2024 14:34	WG2352812
Xylenes, Total	ND		0.00959	1.29	08/29/2024 14:34	WG2352812
(S) Toluene-d8	*95.3*		*75.0-131*		*08/29/2024 14:34*	WG2352812
(S) 4-Bromofluorobenzene	*95.2*		*67.0-138*		*08/29/2024 14:34*	WG2352812
(S) 1,2-Dichloroethane-d4	*78.3*		*70.0-130*		*08/29/2024 14:34*	WG2352812

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.32	1	08/27/2024 18:30	WG2350798
C22-C32 Hydrocarbons	ND		4.32	1	08/27/2024 18:30	WG2350798
C32-C40 Hydrocarbons	ND		4.32	1	08/27/2024 18:30	WG2350798
(S) o-Terphenyl	*75.4*		*18.0-148*		*08/27/2024 18:30*	WG2350798

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Acenaphthylene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Anthracene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Benzidine	ND		1.80	1	08/30/2024 01:20	WG2352596
Benzo(a)anthracene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Benzo(b)fluoranthene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Benzo(k)fluoranthene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Benzo(g,h,i)perylene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Benzo(a)pyrene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Bis(2-chlorethoxy)methane	ND		0.360	1	08/30/2024 01:20	WG2352596
Bis(2-chloroethyl)ether	ND		0.360	1	08/30/2024 01:20	WG2352596
2,2-Oxybis(1-Chloropropane)	ND		0.360	1	08/30/2024 01:20	WG2352596
4-Bromophenyl-phenylether	ND		0.360	1	08/30/2024 01:20	WG2352596
2-Chloronaphthalene	ND		0.0360	1	08/30/2024 01:20	WG2352596
4-Chlorophenyl-phenylether	ND		0.360	1	08/30/2024 01:20	WG2352596
Chrysene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Dibenz(a,h)anthracene	ND		0.0360	1	08/30/2024 01:20	WG2352596
3,3-Dichlorobenzidine	ND		0.360	1	08/30/2024 01:20	WG2352596
2,4-Dinitrotoluene	ND		0.360	1	08/30/2024 01:20	WG2352596
2,6-Dinitrotoluene	ND		0.360	1	08/30/2024 01:20	WG2352596
Fluoranthene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Fluorene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Hexachlorobenzene	ND		0.360	1	08/30/2024 01:20	WG2352596
Hexachloro-1,3-butadiene	ND		0.360	1	08/30/2024 01:20	WG2352596
Hexachlorocyclopentadiene	ND		0.360	1	08/30/2024 01:20	WG2352596
Hexachloroethane	ND		0.360	1	08/30/2024 01:20	WG2352596
Indeno(1,2,3-cd)pyrene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Isophorone	ND		0.360	1	08/30/2024 01:20	WG2352596
Naphthalene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Nitrobenzene	ND		0.360	1	08/30/2024 01:20	WG2352596
n-Nitrosodimethylamine	ND		0.360	1	08/30/2024 01:20	WG2352596
n-Nitrosodiphenylamine	ND		0.360	1	08/30/2024 01:20	WG2352596
n-Nitrosodi-n-propylamine	ND		0.360	1	08/30/2024 01:20	WG2352596
Phenanthrene	ND		0.0360	1	08/30/2024 01:20	WG2352596
Benzylbutyl phthalate	ND		0.360	1	08/30/2024 01:20	WG2352596
Bis(2-ethylhexyl)phthalate	ND		0.360	1	08/30/2024 01:20	WG2352596
Di-n-butyl phthalate	ND		0.360	1	08/30/2024 01:20	WG2352596
Diethyl phthalate	ND		0.360	1	08/30/2024 01:20	WG2352596
Dimethyl phthalate	ND		0.360	1	08/30/2024 01:20	WG2352596
Di-n-octyl phthalate	ND		0.360	1	08/30/2024 01:20	WG2352596
Pyrene	ND		0.0360	1	08/30/2024 01:20	WG2352596
1,2,4-Trichlorobenzene	ND		0.360	1	08/30/2024 01:20	WG2352596
4-Chloro-3-methylphenol	ND		0.360	1	08/30/2024 01:20	WG2352596
2-Chlorophenol	ND		0.360	1	08/30/2024 01:20	WG2352596
2,4-Dichlorophenol	ND		0.360	1	08/30/2024 01:20	WG2352596
2,4-Dimethylphenol	ND		0.360	1	08/30/2024 01:20	WG2352596
4,6-Dinitro-2-methylphenol	ND		0.360	1	08/30/2024 01:20	WG2352596
2,4-Dinitrophenol	ND		0.360	1	08/30/2024 01:20	WG2352596

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.360	1	08/30/2024 01:20	WG2352596
3&4-Methyl Phenol	ND		0.360	1	08/30/2024 01:20	WG2352596
2-Nitrophenol	ND		0.360	1	08/30/2024 01:20	WG2352596
4-Nitrophenol	ND		0.360	1	08/30/2024 01:20	WG2352596
Pentachlorophenol	ND		0.360	1	08/30/2024 01:20	WG2352596
Pyridine	ND		0.360	1	08/30/2024 01:20	WG2352596
2,4,5-Trichlorophenol	ND		0.360	1	08/30/2024 01:20	WG2352596
2,4,6-Trichlorophenol	ND		0.360	1	08/30/2024 01:20	WG2352596
Phenol	ND		0.360	1	08/30/2024 01:20	WG2352596
(S) 2-Fluorophenol	*60.6*		*12.0-120*		*08/30/2024 01:20*	WG2352596
(S) Phenol-d5	*55.7*		*10.0-120*		*08/30/2024 01:20*	WG2352596
(S) Nitrobenzene-d5	*50.6*		*10.0-122*		*08/30/2024 01:20*	WG2352596
(S) 2-Fluorobiphenyl	*52.8*		*15.0-120*		*08/30/2024 01:20*	WG2352596
(S) 2,4,6-Tribromophenol	*51.9*		*10.0-127*		*08/30/2024 01:20*	WG2352596
(S) p-Terphenyl-d14	*60.6*		*10.0-120*		*08/30/2024 01:20*	WG2352596

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	08/26/2024 15:20	WG2350450

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0424	1	08/26/2024 22:08	WG2350089

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.12	1	08/27/2024 10:39	WG2350750
Arsenic	2.45		2.12	1	08/27/2024 10:39	WG2350750
Barium	52.0		0.530	1	08/27/2024 10:39	WG2350750
Beryllium	ND		0.212	1	08/27/2024 10:39	WG2350750
Cadmium	ND		0.530	1	08/27/2024 10:39	WG2350750
Chromium	3.80		1.06	1	08/27/2024 10:39	WG2350750
Cobalt	2.37		1.06	1	08/27/2024 10:39	WG2350750
Copper	4.37		2.12	1	08/27/2024 10:39	WG2350750
Lead	5.57		0.530	1	08/27/2024 10:39	WG2350750
Molybdenum	ND		0.530	1	08/27/2024 10:39	WG2350750
Nickel	3.06		2.12	1	08/27/2024 10:39	WG2350750
Selenium	ND		2.12	1	08/27/2024 10:39	WG2350750
Silver	ND		1.06	1	08/27/2024 10:39	WG2350750
Thallium	ND		2.12	1	08/27/2024 10:39	WG2350750
Vanadium	9.82		2.12	1	08/27/2024 10:39	WG2350750
Zinc	17.5		5.30	1	08/27/2024 10:39	WG2350750

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		3.12	28	09/04/2024 13:35	WG2355895
(S) a,a,a-Trifluorotoluene(FID)	*94.7*		*77.0-120*		*09/04/2024 13:35*	WG2355895

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0623	1.12	08/31/2024 13:40	WG2354152
Acrylonitrile	ND		0.0156	1.12	08/31/2024 13:40	WG2354152
Benzene	ND		0.00125	1.12	08/31/2024 13:40	WG2354152
Bromobenzene	ND		0.0156	1.12	08/31/2024 13:40	WG2354152
Bromodichloromethane	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
Bromoform	ND		0.0312	1.12	08/31/2024 13:40	WG2354152
Bromomethane	ND		0.0156	1.12	08/31/2024 13:40	WG2354152
n-Butylbenzene	ND		0.0156	1.12	08/31/2024 13:40	WG2354152
sec-Butylbenzene	ND		0.0156	1.12	08/31/2024 13:40	WG2354152
tert-Butylbenzene	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
Carbon tetrachloride	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
Chlorobenzene	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
Chlorodibromomethane	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
Chloroethane	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
Chloroform	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
Chloromethane	ND	J3	0.0156	1.12	08/31/2024 13:40	WG2354152
2-Chlorotoluene	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
4-Chlorotoluene	ND		0.00623	1.12	08/31/2024 13:40	WG2354152

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0312	1.12	08/31/2024 13:40	WG2354152
1,2-Dibromoethane	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
Dibromomethane	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
1,2-Dichlorobenzene	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
1,3-Dichlorobenzene	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
1,4-Dichlorobenzene	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
Dichlorodifluoromethane	ND	J3	0.00623	1.12	08/31/2024 13:40	WG2354152
1,1-Dichloroethane	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
1,2-Dichloroethane	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
1,1-Dichloroethene	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
cis-1,2-Dichloroethene	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
trans-1,2-Dichloroethene	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
1,2-Dichloropropane	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
1,1-Dichloropropene	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
1,3-Dichloropropane	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
cis-1,3-Dichloropropene	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
trans-1,3-Dichloropropene	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
2,2-Dichloropropane	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
Di-isopropyl ether	ND		0.00125	1.12	08/31/2024 13:40	WG2354152
Ethylbenzene	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
Hexachloro-1,3-butadiene	ND		0.0312	1.12	08/31/2024 13:40	WG2354152
Isopropylbenzene	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
p-Isopropyltoluene	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
2-Butanone (MEK)	ND		0.125	1.12	08/31/2024 13:40	WG2354152
Methylene Chloride	0.108		0.0312	1.12	08/31/2024 13:40	WG2354152
4-Methyl-2-pentanone (MIBK)	ND		0.0312	1.12	08/31/2024 13:40	WG2354152
Methyl tert-butyl ether	ND		0.00125	1.12	08/31/2024 13:40	WG2354152
Naphthalene	ND		0.0156	1.12	08/31/2024 13:40	WG2354152
n-Propylbenzene	ND	J4	0.00623	1.12	08/31/2024 13:40	WG2354152
Styrene	ND		0.0156	1.12	08/31/2024 13:40	WG2354152
1,1,1,2-Tetrachloroethane	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
1,1,2,2-Tetrachloroethane	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
1,1,2-Trichlorotrifluoroethane	ND	J3	0.00312	1.12	08/31/2024 13:40	WG2354152
Tetrachloroethene	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
Toluene	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
1,2,3-Trichlorobenzene	ND		0.0156	1.12	08/31/2024 13:40	WG2354152
1,2,4-Trichlorobenzene	ND		0.0156	1.12	08/31/2024 13:40	WG2354152
1,1,1-Trichloroethane	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
1,1,2-Trichloroethane	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
Trichloroethene	ND		0.00125	1.12	08/31/2024 13:40	WG2354152
Trichlorofluoromethane	ND		0.00312	1.12	08/31/2024 13:40	WG2354152
1,2,3-Trichloropropane	ND		0.0156	1.12	08/31/2024 13:40	WG2354152
1,2,4-Trimethylbenzene	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
1,2,3-Trimethylbenzene	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
Vinyl chloride	ND	J3	0.00312	1.12	08/31/2024 13:40	WG2354152
1,3,5-Trimethylbenzene	ND		0.00623	1.12	08/31/2024 13:40	WG2354152
Xylenes, Total	ND		0.00810	1.12	08/31/2024 13:40	WG2354152
(S) Toluene-d8	*109*		*75.0-131*		*08/31/2024 13:40*	WG2354152
(S) 4-Bromofluorobenzene	*96.1*		*67.0-138*		*08/31/2024 13:40*	WG2354152
(S) 1,2-Dichloroethane-d4	*94.9*		*70.0-130*		*08/31/2024 13:40*	WG2354152

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.24	1	09/04/2024 06:13	WG2354820
C22-C32 Hydrocarbons	4.91		4.24	1	09/04/2024 06:13	WG2354820
C32-C40 Hydrocarbons	ND		4.24	1	09/04/2024 06:13	WG2354820
(S) o-Terphenyl	*92.4*		*18.0-148*		*09/04/2024 06:13*	WG2354820

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Acenaphthylene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Anthracene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Benzidine	ND		1.77	1	09/05/2024 14:30	WG2355715
Benzo(a)anthracene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Benzo(b)fluoranthene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Benzo(k)fluoranthene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Benzo(g,h,i)perylene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Benzo(a)pyrene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Bis(2-chlorethoxy)methane	ND		0.353	1	09/05/2024 14:30	WG2355715
Bis(2-chloroethyl)ether	ND		0.353	1	09/05/2024 14:30	WG2355715
2,2-Oxybis(1-Chloropropane)	ND		0.353	1	09/05/2024 14:30	WG2355715
4-Bromophenyl-phenylether	ND		0.353	1	09/05/2024 14:30	WG2355715
2-Chloronaphthalene	ND		0.0353	1	09/05/2024 14:30	WG2355715
4-Chlorophenyl-phenylether	ND		0.353	1	09/05/2024 14:30	WG2355715
Chrysene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Dibenz(a,h)anthracene	ND		0.0353	1	09/05/2024 14:30	WG2355715
3,3-Dichlorobenzidine	ND		0.353	1	09/05/2024 14:30	WG2355715
2,4-Dinitrotoluene	ND		0.353	1	09/05/2024 14:30	WG2355715
2,6-Dinitrotoluene	ND		0.353	1	09/05/2024 14:30	WG2355715
Fluoranthene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Fluorene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Hexachlorobenzene	ND		0.353	1	09/05/2024 14:30	WG2355715
Hexachloro-1,3-butadiene	ND		0.353	1	09/05/2024 14:30	WG2355715
Hexachlorocyclopentadiene	ND		0.353	1	09/05/2024 14:30	WG2355715
Hexachloroethane	ND		0.353	1	09/05/2024 14:30	WG2355715
Indeno(1,2,3-cd)pyrene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Isophorone	ND		0.353	1	09/05/2024 14:30	WG2355715
Naphthalene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Nitrobenzene	ND		0.353	1	09/05/2024 14:30	WG2355715
n-Nitrosodimethylamine	ND		0.353	1	09/05/2024 14:30	WG2355715
n-Nitrosodiphenylamine	ND		0.353	1	09/05/2024 14:30	WG2355715
n-Nitrosodi-n-propylamine	ND		0.353	1	09/05/2024 14:30	WG2355715
Phenanthrene	ND		0.0353	1	09/05/2024 14:30	WG2355715
Benzylbutyl phthalate	ND		0.353	1	09/05/2024 14:30	WG2355715
Bis(2-ethylhexyl)phthalate	ND		0.353	1	09/05/2024 14:30	WG2355715
Di-n-butyl phthalate	ND		0.353	1	09/05/2024 14:30	WG2355715
Diethyl phthalate	ND		0.353	1	09/05/2024 14:30	WG2355715
Dimethyl phthalate	ND		0.353	1	09/05/2024 14:30	WG2355715
Di-n-octyl phthalate	ND		0.353	1	09/05/2024 14:30	WG2355715
Pyrene	ND		0.0353	1	09/05/2024 14:30	WG2355715
1,2,4-Trichlorobenzene	ND		0.353	1	09/05/2024 14:30	WG2355715
4-Chloro-3-methylphenol	ND		0.353	1	09/05/2024 14:30	WG2355715
2-Chlorophenol	ND		0.353	1	09/05/2024 14:30	WG2355715
2,4-Dichlorophenol	ND		0.353	1	09/05/2024 14:30	WG2355715
2,4-Dimethylphenol	ND		0.353	1	09/05/2024 14:30	WG2355715
4,6-Dinitro-2-methylphenol	ND		0.353	1	09/05/2024 14:30	WG2355715
2,4-Dinitrophenol	ND		0.353	1	09/05/2024 14:30	WG2355715

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.353	1	09/05/2024 14:30	WG2355715
3&4-Methyl Phenol	ND		0.353	1	09/05/2024 14:30	WG2355715
2-Nitrophenol	ND		0.353	1	09/05/2024 14:30	WG2355715
4-Nitrophenol	ND		0.353	1	09/05/2024 14:30	WG2355715
Pentachlorophenol	ND		0.353	1	09/05/2024 14:30	WG2355715
Pyridine	ND		0.353	1	09/05/2024 14:30	WG2355715
2,4,5-Trichlorophenol	ND		0.353	1	09/05/2024 14:30	WG2355715
2,4,6-Trichlorophenol	ND		0.353	1	09/05/2024 14:30	WG2355715
Phenol	ND		0.353	1	09/05/2024 14:30	WG2355715
(S) 2-Fluorophenol	*64.6*		*12.0-120*		*09/05/2024 14:30*	WG2355715
(S) Phenol-d5	*59.8*		*10.0-120*		*09/05/2024 14:30*	WG2355715
(S) Nitrobenzene-d5	*50.6*		*10.0-122*		*09/05/2024 14:30*	WG2355715
(S) 2-Fluorobiphenyl	*55.5*		*15.0-120*		*09/05/2024 14:30*	WG2355715
(S) 2,4,6-Tribromophenol	*56.9*		*10.0-127*		*09/05/2024 14:30*	WG2355715
(S) p-Terphenyl-d14	*60.4*		*10.0-120*		*09/05/2024 14:30*	WG2355715

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Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	ND		0.000200	1	09/11/2024 17:07	WG2360268

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	ND		0.00400	1	09/10/2024 17:21	WG2358957
Arsenic,Dissolved	0.502		0.00200	1	09/10/2024 17:21	WG2358957
Barium,Dissolved	0.0346		0.00200	1	09/10/2024 17:21	WG2358957
Beryllium,Dissolved	ND		0.00200	1	09/10/2024 17:21	WG2358957
Cadmium,Dissolved	ND		0.00100	1	09/10/2024 17:21	WG2358957
Chromium,Dissolved	ND		0.00200	1	09/10/2024 17:21	WG2358957
Copper,Dissolved	0.0211		0.00500	1	09/10/2024 17:21	WG2358957
Cobalt,Dissolved	0.00382		0.00200	1	09/10/2024 17:21	WG2358957
Lead,Dissolved	ND		0.00200	1	09/10/2024 17:21	WG2358957
Molybdenum,Dissolved	0.444		0.00500	1	09/10/2024 17:21	WG2358957
Nickel,Dissolved	0.0108		0.00200	1	09/10/2024 17:21	WG2358957
Selenium,Dissolved	0.171		0.00200	1	09/10/2024 17:21	WG2358957
Silver,Dissolved	ND		0.00200	1	09/10/2024 17:21	WG2358957
Thallium,Dissolved	ND		0.00200	1	09/10/2024 17:21	WG2358957
Vanadium,Dissolved	0.139		0.00500	1	09/10/2024 17:21	WG2358957
Zinc,Dissolved	ND		0.0250	1	09/10/2024 17:21	WG2358957

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPHG C5 - C12	ND		0.100	1	09/04/2024 13:27	WG2355941
(S) a,a,a-Trifluorotoluene(FID)	*100*		*78.0-120*		*09/04/2024 13:27*	WG2355941

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	08/26/2024 23:14	WG2350870
Acrolein	ND		0.0500	1	08/26/2024 23:14	WG2350870
Acrylonitrile	ND		0.0100	1	08/26/2024 23:14	WG2350870
Benzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
Bromobenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
Bromodichloromethane	ND		0.00100	1	08/26/2024 23:14	WG2350870
Bromoform	ND		0.00100	1	08/26/2024 23:14	WG2350870
Bromomethane	ND		0.00500	1	08/26/2024 23:14	WG2350870
n-Butylbenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
sec-Butylbenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
tert-Butylbenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
Carbon tetrachloride	ND		0.00100	1	08/26/2024 23:14	WG2350870
Chlorobenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
Chlorodibromomethane	ND		0.00100	1	08/26/2024 23:14	WG2350870
Chloroethane	ND		0.00500	1	08/26/2024 23:14	WG2350870
Chloroform	ND		0.00500	1	08/26/2024 23:14	WG2350870
Chloromethane	ND		0.00250	1	08/26/2024 23:14	WG2350870
2-Chlorotoluene	ND		0.00100	1	08/26/2024 23:14	WG2350870
4-Chlorotoluene	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	08/26/2024 23:14	WG2350870
1,2-Dibromoethane	ND		0.00100	1	08/26/2024 23:14	WG2350870
Dibromomethane	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,2-Dichlorobenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,4-Dichlorobenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
Dichlorodifluoromethane	ND		0.00500	1	08/26/2024 23:14	WG2350870
1,1-Dichloroethane	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,2-Dichloroethane	0.00755		0.00100	1	08/26/2024 23:14	WG2350870
1,1-Dichloroethene	ND		0.00100	1	08/26/2024 23:14	WG2350870
cis-1,2-Dichloroethene	ND		0.00100	1	08/26/2024 23:14	WG2350870
trans-1,2-Dichloroethene	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,2-Dichloropropane	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,1-Dichloropropene	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,3-Dichloropropane	ND		0.00100	1	08/26/2024 23:14	WG2350870
cis-1,3-Dichloropropene	ND		0.00100	1	08/26/2024 23:14	WG2350870
trans-1,3-Dichloropropene	ND		0.00100	1	08/26/2024 23:14	WG2350870
2,2-Dichloropropane	ND		0.00100	1	08/26/2024 23:14	WG2350870
Di-isopropyl ether	ND		0.00100	1	08/26/2024 23:14	WG2350870
Ethylbenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
Hexachloro-1,3-butadiene	ND		0.00100	1	08/26/2024 23:14	WG2350870
Isopropylbenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
p-Isopropyltoluene	ND		0.00100	1	08/26/2024 23:14	WG2350870
2-Butanone (MEK)	ND		0.0100	1	08/26/2024 23:14	WG2350870
Methylene Chloride	ND		0.00500	1	08/26/2024 23:14	WG2350870
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	08/26/2024 23:14	WG2350870
Methyl tert-butyl ether	ND		0.00100	1	08/26/2024 23:14	WG2350870
Naphthalene	ND		0.00500	1	08/26/2024 23:14	WG2350870
n-Propylbenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
Styrene	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,1,1,2-Tetrachloroethane	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,1,2,2-Tetrachloroethane	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	08/26/2024 23:14	WG2350870
Tetrachloroethene	ND		0.00100	1	08/26/2024 23:14	WG2350870
Toluene	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,2,3-Trichlorobenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,2,4-Trichlorobenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,1,1-Trichloroethane	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,1,2-Trichloroethane	ND		0.00100	1	08/26/2024 23:14	WG2350870
Trichloroethene	ND		0.00100	1	08/26/2024 23:14	WG2350870
Trichlorofluoromethane	ND		0.00500	1	08/26/2024 23:14	WG2350870
1,2,3-Trichloropropane	ND		0.00250	1	08/26/2024 23:14	WG2350870
1,2,4-Trimethylbenzene	0.00158		0.00100	1	08/26/2024 23:14	WG2350870
1,2,3-Trimethylbenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
1,3,5-Trimethylbenzene	ND		0.00100	1	08/26/2024 23:14	WG2350870
Vinyl chloride	ND		0.00100	1	08/26/2024 23:14	WG2350870
Xylenes, Total	ND		0.00300	1	08/26/2024 23:14	WG2350870
(S) Toluene-d8	*104*		*80.0-120*		*08/26/2024 23:14*	WG2350870
(S) 4-Bromofluorobenzene	*107*		*77.0-126*		*08/26/2024 23:14*	WG2350870
(S) 1,2-Dichloroethane-d4	*121*		*70.0-130*		*08/26/2024 23:14*	WG2350870

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		0.100	1	08/27/2024 19:55	WG2350936
C22-C32 Hydrocarbons	ND		0.100	1	08/27/2024 19:55	WG2350936
C32-C40 Hydrocarbons	ND		0.100	1	08/27/2024 19:55	WG2350936
(S) o-Terphenyl	*52.1*		*52.0-156*		*08/27/2024 19:55*	WG2350936

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Acenaphthylene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Anthracene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Benzidine	ND	J3 J4	0.0100	1	08/29/2024 16:53	WG2351379
Benzo(a)anthracene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Benzo(b)fluoranthene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Benzo(k)fluoranthene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Benzo(g,h,i)perylene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Benzo(a)pyrene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Bis(2-chlorethoxy)methane	ND	J3	0.0100	1	08/29/2024 16:53	WG2351379
Bis(2-chloroethyl)ether	ND	J3	0.0100	1	08/29/2024 16:53	WG2351379
2,2-Oxybis(1-Chloropropane)	ND	J3	0.0100	1	08/29/2024 16:53	WG2351379
4-Bromophenyl-phenylether	ND	J3	0.0100	1	08/29/2024 16:53	WG2351379
2-Chloronaphthalene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
4-Chlorophenyl-phenylether	ND	J3	0.0100	1	08/29/2024 16:53	WG2351379
Chrysene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Dibenz(a,h)anthracene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
3,3-Dichlorobenzidine	ND	J3	0.0100	1	08/29/2024 16:53	WG2351379
2,4-Dinitrotoluene	ND	J3	0.0100	1	08/29/2024 16:53	WG2351379
2,6-Dinitrotoluene	ND	J3	0.0100	1	08/29/2024 16:53	WG2351379
Fluoranthene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Fluorene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Hexachlorobenzene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Hexachloro-1,3-butadiene	ND		0.0100	1	08/29/2024 16:53	WG2351379
Hexachlorocyclopentadiene	ND		0.0100	1	08/29/2024 16:53	WG2351379
Hexachloroethane	ND		0.0100	1	08/29/2024 16:53	WG2351379
Indeno(1,2,3-cd)pyrene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Isophorone	ND	J3	0.0100	1	08/29/2024 16:53	WG2351379
Naphthalene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Nitrobenzene	ND		0.0100	1	08/29/2024 16:53	WG2351379
n-Nitrosodimethylamine	ND		0.0100	1	08/29/2024 16:53	WG2351379
n-Nitrosodiphenylamine	ND	J3	0.0100	1	08/29/2024 16:53	WG2351379
n-Nitrosodi-n-propylamine	ND		0.0100	1	08/29/2024 16:53	WG2351379
Phenanthrene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
Benzylbutyl phthalate	ND	J3	0.00300	1	08/29/2024 16:53	WG2351379
Bis(2-ethylhexyl)phthalate	ND	J3	0.00300	1	08/29/2024 16:53	WG2351379
Di-n-butyl phthalate	ND	J3	0.00300	1	08/29/2024 16:53	WG2351379
Diethyl phthalate	ND	J3	0.00300	1	08/29/2024 16:53	WG2351379
Dimethyl phthalate	ND	J3	0.00300	1	08/29/2024 16:53	WG2351379
Di-n-octyl phthalate	ND	J3	0.00300	1	08/29/2024 16:53	WG2351379
Pyrene	ND	J3	0.00100	1	08/29/2024 16:53	WG2351379
1,2,4-Trichlorobenzene	ND	J3	0.0100	1	08/29/2024 16:53	WG2351379
4-Chloro-3-methylphenol	ND		0.0100	1	08/29/2024 16:53	WG2351379
2-Chlorophenol	ND		0.0100	1	08/29/2024 16:53	WG2351379
2,4-Dichlorophenol	ND		0.0100	1	08/29/2024 16:53	WG2351379
2,4-Dimethylphenol	ND		0.0100	1	08/29/2024 16:53	WG2351379
4,6-Dinitro-2-methylphenol	ND		0.0100	1	08/29/2024 16:53	WG2351379
2,4-Dinitrophenol	ND		0.0100	1	08/29/2024 16:53	WG2351379
2-Nitrophenol	ND		0.0100	1	08/29/2024 16:53	WG2351379
4-Nitrophenol	ND		0.0100	1	08/29/2024 16:53	WG2351379
Pentachlorophenol	ND		0.0100	1	08/29/2024 16:53	WG2351379
Phenol	ND		0.0100	1	08/29/2024 16:53	WG2351379
2,4,6-Trichlorophenol	ND		0.0100	1	08/29/2024 16:53	WG2351379
(S) 2-Fluorophenol	*39.3*		*10.0-120*		*08/29/2024 16:53*	WG2351379
(S) Phenol-d5	*25.4*		*10.0-120*		*08/29/2024 16:53*	WG2351379
(S) Nitrobenzene-d5	*60.3*		*10.0-127*		*08/29/2024 16:53*	WG2351379

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*60.2*		*10.0-130*		*08/29/2024 16:53*	WG2351379
(S) 2,4,6-Tribromophenol	*64.8*		*10.0-155*		*08/29/2024 16:53*	WG2351379
(S) p-Terphenyl-d14	*56.8*		*10.0-128*		*08/29/2024 16:53*	WG2351379

DRAFT

Method Blank (MB)

(MB) R4111972-1 08/26/24 12:19

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1770983-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1770983-14 08/26/24 12:19 • (DUP) R4111972-3 08/26/24 12:19

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	85.7	85.8	1	0.168		10

Laboratory Control Sample (LCS)

(LCS) R4111972-2 08/26/24 12:19

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

DRAFT

Method Blank (MB)

(MB) R4112012-1 08/26/24 15:20

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1771085-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1771085-10 08/26/24 15:20 • (DUP) R4112012-3 08/26/24 15:20

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.9	80.6	1	0.915		10

Laboratory Control Sample (LCS)

(LCS) R4112012-2 08/26/24 15:20

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

DRAFT

QUALITY CONTROL SUMMARY

L1771233-13

Method Blank (MB)

(MB) R4118682-1 09/11/24 16:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4118682-2 09/11/24 17:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00283	94.4	80.0-120	

L1771233-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771233-13 09/11/24 17:07 • (MS) R4118682-4 09/11/24 17:12 • (MSD) R4118682-5 09/11/24 17:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	ND	0.00236	0.00226	78.8	75.3	1	75.0-125			4.54	20

DRAFT

QUALITY CONTROL SUMMARY

L1771233-01,04,05,07,08,12

Method Blank (MB)

(MB) R4111914-1 08/26/24 20:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4111914-2 08/26/24 21:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.485	96.9	80.0-120	

L1770419-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770419-03 08/26/24 21:02 • (MS) R4111914-4 08/26/24 21:07 • (MSD) R4111914-5 08/26/24 21:10

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.594	ND	0.568	0.553	95.5	93.1	1	75.0-125			2.64	20

DRAFT

Method Blank (MB)

(MB) R4111912-1 08/26/24 21:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4111912-2 08/26/24 21:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	93.8	93.8	80.0-120	
Arsenic	100	94.6	94.6	80.0-120	
Barium	100	97.4	97.4	80.0-120	
Beryllium	100	97.9	97.9	80.0-120	
Cadmium	100	94.6	94.6	80.0-120	
Chromium	100	99.3	99.3	80.0-120	
Cobalt	100	93.7	93.7	80.0-120	
Copper	100	95.1	95.1	80.0-120	
Lead	100	94.9	94.9	80.0-120	
Molybdenum	100	95.9	95.9	80.0-120	
Nickel	100	93.7	93.7	80.0-120	
Selenium	100	93.1	93.1	80.0-120	
Silver	20.0	18.7	93.5	80.0-120	
Thallium	100	94.1	94.1	80.0-120	
Vanadium	100	95.4	95.4	80.0-120	
Zinc	100	96.5	96.5	80.0-120	

QUALITY CONTROL SUMMARY

L1771233-01,04,05,07,08,12

L1770847-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770847-07 08/26/24 21:13 • (MS) R4111912-5 08/26/24 21:18 • (MSD) R4111912-6 08/26/24 21:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	368	ND	315	320	85.5	86.9	1	75.0-125			1.59	20
Arsenic	368	ND	340	347	91.8	93.9	1	75.0-125			2.21	20
Barium	368	35.2	389	400	96.0	99.1	1	75.0-125			2.93	20
Beryllium	368	ND	354	366	96.3	99.5	1	75.0-125			3.36	20
Cadmium	368	ND	341	349	92.6	94.8	1	75.0-125			2.33	20
Chromium	368	ND	362	369	97.4	99.4	1	75.0-125			2.00	20
Cobalt	368	ND	343	355	92.4	95.6	1	75.0-125			3.32	20
Copper	368	11.0	354	365	93.0	96.3	1	75.0-125			3.30	20
Lead	368	2.13	344	357	92.9	96.3	1	75.0-125			3.61	20
Molybdenum	368	ND	338	343	91.7	93.2	1	75.0-125			1.58	20
Nickel	368	ND	344	353	93.5	95.9	1	75.0-125			2.56	20
Selenium	368	ND	337	348	91.6	94.5	1	75.0-125			3.10	20
Silver	73.6	ND	67.7	69.9	92.0	95.0	1	75.0-125			3.22	20
Thallium	368	ND	334	347	90.6	94.3	1	75.0-125			3.99	20
Vanadium	368	24.7	369	380	93.4	96.5	1	75.0-125			3.03	20
Zinc	368	32.6	379	415	94.1	104	1	75.0-125			9.14	20

DRAFT

Method Blank (MB)

(MB) R4118013-1 09/10/24 16:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony,Dissolved	U		0.00103	0.00400
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Beryllium,Dissolved	U		0.000190	0.00200
Cadmium,Dissolved	U		0.000150	0.00100
Chromium,Dissolved	U		0.00124	0.00200
Copper,Dissolved	U		0.00151	0.00500
Cobalt,Dissolved	U		0.0000596	0.00200
Lead,Dissolved	U		0.000849	0.00200
Molybdenum,Dissolved	U		0.000348	0.00500
Nickel,Dissolved	U		0.000816	0.00200
Selenium,Dissolved	U		0.000300	0.00200
Silver,Dissolved	U		0.0000700	0.00200
Thallium,Dissolved	U		0.000121	0.00200
Vanadium,Dissolved	U		0.000664	0.00500
Zinc,Dissolved	U		0.00302	0.0250

Laboratory Control Sample (LCS)

(LCS) R4118013-2 09/10/24 16:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	0.0500	0.0532	106	80.0-120	
Arsenic,Dissolved	0.0500	0.0495	98.9	80.0-120	
Barium,Dissolved	0.0500	0.0469	93.9	80.0-120	
Beryllium,Dissolved	0.0500	0.0508	102	80.0-120	
Cadmium,Dissolved	0.0500	0.0518	104	80.0-120	
Chromium,Dissolved	0.0500	0.0495	99.0	80.0-120	
Copper,Dissolved	0.0500	0.0513	103	80.0-120	
Cobalt,Dissolved	0.0500	0.0500	100	80.0-120	
Lead,Dissolved	0.0500	0.0494	98.9	80.0-120	
Molybdenum,Dissolved	0.0500	0.0509	102	80.0-120	
Nickel,Dissolved	0.0500	0.0513	103	80.0-120	
Selenium,Dissolved	0.0500	0.0541	108	80.0-120	
Silver,Dissolved	0.0500	0.0506	101	80.0-120	
Thallium,Dissolved	0.0500	0.0494	98.8	80.0-120	
Vanadium,Dissolved	0.0500	0.0475	95.0	80.0-120	
Zinc,Dissolved	0.0500	0.0529	106	80.0-120	

L1769162-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1769162-02 09/10/24 17:04 • (MS) R4118013-4 09/10/24 17:11 • (MSD) R4118013-5 09/10/24 17:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	0.0500	ND	0.0533	0.0529	107	106	1	75.0-125			0.625	20
Arsenic,Dissolved	0.0500	0.00724	0.0559	0.0567	97.3	98.8	1	75.0-125			1.40	20
Barium,Dissolved	0.0500	0.265	0.321	0.318	111	107	1	75.0-125			0.727	20
Beryllium,Dissolved	0.0500	ND	0.0501	0.0496	100	99.1	1	75.0-125			1.02	20
Cadmium,Dissolved	0.0500	ND	0.0493	0.0494	98.7	98.9	1	75.0-125			0.235	20
Chromium,Dissolved	0.0500	ND	0.0487	0.0498	97.4	99.7	1	75.0-125			2.30	20
Copper,Dissolved	0.0500	ND	0.0495	0.0501	95.9	97.2	1	75.0-125			1.30	20
Cobalt,Dissolved	0.0500	ND	0.0485	0.0504	94.7	98.6	1	75.0-125			3.95	20
Lead,Dissolved	0.0500	ND	0.0493	0.0501	98.7	100	1	75.0-125			1.59	20
Molybdenum,Dissolved	0.0500	ND	0.0509	0.0525	98.8	102	1	75.0-125			3.09	20
Nickel,Dissolved	0.0500	ND	0.0484	0.0516	93.5	99.9	1	75.0-125			6.40	20
Selenium,Dissolved	0.0500	ND	0.0507	0.0497	101	99.4	1	75.0-125			1.94	20
Silver,Dissolved	0.0500	ND	0.0498	0.0505	99.5	101	1	75.0-125			1.43	20
Thallium,Dissolved	0.0500	ND	0.0491	0.0502	98.2	100	1	75.0-125			2.15	20
Vanadium,Dissolved	0.0500	ND	0.0469	0.0483	93.9	96.5	1	75.0-125			2.78	20
Zinc,Dissolved	0.0500	ND	0.0612	0.0668	91.2	102	1	75.0-125			8.71	20

DRAFT

Method Blank (MB)

(MB) R4115343-3 09/04/24 11:27

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	2.08	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*94.3*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115343-1 09/04/24 10:10 • (LCSD) R4115343-2 09/04/24 10:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	5.60	5.54	112	111	72.0-125			1.08	20
(S) a,a,a-Trifluorotoluene(FID)				*107*	*108*	*77.0-120*				

DRAFT

Method Blank (MB)

(MB) R4115452-3 09/04/24 12:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPHG C5 - C12	U		0.0304	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115452-1 09/04/24 11:00 • (LCSD) R4115452-2 09/04/24 11:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	5.04	4.98	101	99.6	71.0-127			1.20	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*103*	*78.0-120*				

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Method Blank (MB)

(MB) R4112445-4 08/26/24 19:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100

Method Blank (MB)

(MB) R4112445-4 08/26/24 19:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4112445-1 08/26/24 17:52 • (LCSD) R4112445-2 08/26/24 18:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0236	0.0280	94.4	112	19.0-160			17.1	27
Acrolein	0.0250	0.0208	0.0238	83.2	95.2	10.0-160			13.5	26
Acrylonitrile	0.0250	0.0259	0.0277	104	111	55.0-149			6.72	20
Benzene	0.00500	0.00460	0.00480	92.0	96.0	70.0-123			4.26	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4112445-1 08/26/24 17:52 • (LCSD) R4112445-2 08/26/24 18:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	0.00500	0.00450	0.00460	90.0	92.0	73.0-121			2.20	20
Bromodichloromethane	0.00500	0.00532	0.00546	106	109	75.0-120			2.60	20
Bromoform	0.00500	0.00492	0.00522	98.4	104	68.0-132			5.92	20
Bromomethane	0.00500	0.00402	0.00389	80.4	77.8	10.0-160			3.29	25
n-Butylbenzene	0.00500	0.00421	0.00413	84.2	82.6	73.0-125			1.92	20
sec-Butylbenzene	0.00500	0.00462	0.00462	92.4	92.4	75.0-125			0.000	20
tert-Butylbenzene	0.00500	0.00466	0.00481	93.2	96.2	76.0-124			3.17	20
Carbon tetrachloride	0.00500	0.00558	0.00580	112	116	68.0-126			3.87	20
Chlorobenzene	0.00500	0.00472	0.00481	94.4	96.2	80.0-121			1.89	20
Chlorodibromomethane	0.00500	0.00487	0.00490	97.4	98.0	77.0-125			0.614	20
Chloroethane	0.00500	0.00465	0.00449	93.0	89.8	47.0-150			3.50	20
Chloroform	0.00500	0.00537	0.00509	107	102	73.0-120			5.35	20
Chloromethane	0.00500	0.00472	0.00483	94.4	96.6	41.0-142			2.30	20
2-Chlorotoluene	0.00500	0.00463	0.00464	92.6	92.8	76.0-123			0.216	20
4-Chlorotoluene	0.00500	0.00461	0.00474	92.2	94.8	75.0-122			2.78	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00461	0.00458	92.2	91.6	58.0-134			0.653	20
1,2-Dibromoethane	0.00500	0.00491	0.00482	98.2	96.4	80.0-122			1.85	20
Dibromomethane	0.00500	0.00490	0.00475	98.0	95.0	80.0-120			3.11	20
1,2-Dichlorobenzene	0.00500	0.00450	0.00439	90.0	87.8	79.0-121			2.47	20
1,3-Dichlorobenzene	0.00500	0.00456	0.00487	91.2	97.4	79.0-120			6.57	20
1,4-Dichlorobenzene	0.00500	0.00487	0.00479	97.4	95.8	79.0-120			1.66	20
Dichlorodifluoromethane	0.00500	0.00599	0.00613	120	123	51.0-149			2.31	20
1,1-Dichloroethane	0.00500	0.00509	0.00524	102	105	70.0-126			2.90	20
1,2-Dichloroethane	0.00500	0.00566	0.00578	113	116	70.0-128			2.10	20
1,1-Dichloroethene	0.00500	0.00470	0.00470	94.0	94.0	71.0-124			0.000	20
cis-1,2-Dichloroethene	0.00500	0.00480	0.00468	96.0	93.6	73.0-120			2.53	20
trans-1,2-Dichloroethene	0.00500	0.00462	0.00504	92.4	101	73.0-120			8.70	20
1,2-Dichloropropane	0.00500	0.00489	0.00504	97.8	101	77.0-125			3.02	20
1,1-Dichloropropene	0.00500	0.00511	0.00522	102	104	74.0-126			2.13	20
1,3-Dichloropropane	0.00500	0.00459	0.00501	91.8	100	80.0-120			8.75	20
cis-1,3-Dichloropropene	0.00500	0.00470	0.00481	94.0	96.2	80.0-123			2.31	20
trans-1,3-Dichloropropene	0.00500	0.00478	0.00465	95.6	93.0	78.0-124			2.76	20
2,2-Dichloropropane	0.00500	0.00469	0.00517	93.8	103	58.0-130			9.74	20
Di-isopropyl ether	0.00500	0.00550	0.00544	110	109	58.0-138			1.10	20
Ethylbenzene	0.00500	0.00469	0.00473	93.8	94.6	79.0-123			0.849	20
Hexachloro-1,3-butadiene	0.00500	0.00550	0.00516	110	103	54.0-138			6.38	20
Isopropylbenzene	0.00500	0.00486	0.00478	97.2	95.6	76.0-127			1.66	20
p-Isopropyltoluene	0.00500	0.00484	0.00491	96.8	98.2	76.0-125			1.44	20
2-Butanone (MEK)	0.0250	0.0254	0.0275	102	110	44.0-160			7.94	20
Methylene Chloride	0.00500	0.00444	0.00449	88.8	89.8	67.0-120			1.12	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4112445-1 08/26/24 17:52 • (LCSD) R4112445-2 08/26/24 18:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.0250	0.0263	0.0275	105	110	68.0-142			4.46	20
Methyl tert-butyl ether	0.00500	0.00497	0.00540	99.4	108	68.0-125			8.29	20
Naphthalene	0.00500	0.00398	0.00438	79.6	87.6	54.0-135			9.57	20
n-Propylbenzene	0.00500	0.00460	0.00454	92.0	90.8	77.0-124			1.31	20
Styrene	0.00500	0.00455	0.00460	91.0	92.0	73.0-130			1.09	20
1,1,1,2-Tetrachloroethane	0.00500	0.00505	0.00502	101	100	75.0-125			0.596	20
1,1,2,2-Tetrachloroethane	0.00500	0.00378	0.00407	75.6	81.4	65.0-130			7.39	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00525	0.00557	105	111	69.0-132			5.91	20
Tetrachloroethene	0.00500	0.00533	0.00516	107	103	72.0-132			3.24	20
Toluene	0.00500	0.00473	0.00455	94.6	91.0	79.0-120			3.88	20
1,2,3-Trichlorobenzene	0.00500	0.00432	0.00481	86.4	96.2	50.0-138			10.7	20
1,2,4-Trichlorobenzene	0.00500	0.00424	0.00479	84.8	95.8	57.0-137			12.2	20
1,1,1-Trichloroethane	0.00500	0.00557	0.00550	111	110	73.0-124			1.26	20
1,1,2-Trichloroethane	0.00500	0.00480	0.00471	96.0	94.2	80.0-120			1.89	20
Trichloroethene	0.00500	0.00586	0.00582	117	116	78.0-124			0.685	20
Trichlorofluoromethane	0.00500	0.00598	0.00601	120	120	59.0-147			0.500	20
1,2,3-Trichloropropane	0.00500	0.00485	0.00497	97.0	99.4	73.0-130			2.44	20
1,2,4-Trimethylbenzene	0.00500	0.00478	0.00456	95.6	91.2	76.0-121			4.71	20
1,2,3-Trimethylbenzene	0.00500	0.00467	0.00466	93.4	93.2	77.0-120			0.214	20
1,3,5-Trimethylbenzene	0.00500	0.00487	0.00481	97.4	96.2	76.0-122			1.24	20
Vinyl chloride	0.00500	0.00488	0.00456	97.6	91.2	67.0-131			6.78	20
Xylenes, Total	0.0150	0.0143	0.0136	95.3	90.7	79.0-123			5.02	20
(S) Toluene-d8				*102*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*106*	*100*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*119*	*122*	*70.0-130*				

DRAFT

Method Blank (MB)

(MB) R4113427-3 08/29/24 10:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4113427-3 08/29/24 10:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
Vinyl chloride	U		0.00116	0.00250
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*93.6*			*75.0-131*
(S) 4-Bromofluorobenzene	*91.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*79.6*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4113427-1 08/29/24 08:48 • (LCSD) R4113427-2 08/29/24 09:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.498	0.640	79.7	102	10.0-160			25.0	31
Acrylonitrile	0.625	0.530	0.611	84.8	97.8	45.0-153			14.2	22
Benzene	0.125	0.119	0.142	95.2	114	70.0-123			17.6	20
Bromobenzene	0.125	0.110	0.123	88.0	98.4	73.0-121			11.2	20
Bromodichloromethane	0.125	0.100	0.120	80.0	96.0	73.0-121			18.2	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4113427-1 08/29/24 08:48 • (LCSD) R4113427-2 08/29/24 09:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.0915	0.101	73.2	80.8	64.0-132			9.87	20
Bromomethane	0.125	0.0865	0.107	69.2	85.6	56.0-147		J3	21.2	20
n-Butylbenzene	0.125	0.102	0.126	81.6	101	68.0-135		J3	21.1	20
sec-Butylbenzene	0.125	0.110	0.134	88.0	107	74.0-130			19.7	20
tert-Butylbenzene	0.125	0.0883	0.104	70.6	83.2	75.0-127	J4		16.3	20
Carbon tetrachloride	0.125	0.109	0.124	87.2	99.2	66.0-128			12.9	20
Chlorobenzene	0.125	0.105	0.117	84.0	93.6	76.0-128			10.8	20
Chlorodibromomethane	0.125	0.0987	0.112	79.0	89.6	74.0-127			12.6	20
Chloroethane	0.125	0.108	0.124	86.4	99.2	61.0-134			13.8	20
Chloroform	0.125	0.105	0.119	84.0	95.2	72.0-123			12.5	20
Chloromethane	0.125	0.121	0.126	96.8	101	51.0-138			4.05	20
2-Chlorotoluene	0.125	0.107	0.118	85.6	94.4	75.0-124			9.78	20
4-Chlorotoluene	0.125	0.109	0.100	87.2	80.0	75.0-124			8.61	20
1,2-Dibromo-3-Chloropropane	0.125	0.0955	0.112	76.4	89.6	59.0-130			15.9	20
1,2-Dibromoethane	0.125	0.108	0.108	86.4	86.4	74.0-128			0.000	20
Dibromomethane	0.125	0.100	0.114	80.0	91.2	75.0-122			13.1	20
1,2-Dichlorobenzene	0.125	0.113	0.127	90.4	102	76.0-124			11.7	20
1,3-Dichlorobenzene	0.125	0.104	0.122	83.2	97.6	76.0-125			15.9	20
1,4-Dichlorobenzene	0.125	0.0979	0.121	78.3	96.8	77.0-121		J3	21.1	20
Dichlorodifluoromethane	0.125	0.105	0.137	84.0	110	43.0-156		J3	26.4	20
1,1-Dichloroethane	0.125	0.109	0.130	87.2	104	70.0-127			17.6	20
1,2-Dichloroethane	0.125	0.104	0.123	83.2	98.4	65.0-131			16.7	20
1,1-Dichloroethene	0.125	0.118	0.137	94.4	110	65.0-131			14.9	20
cis-1,2-Dichloroethene	0.125	0.107	0.125	85.6	100	73.0-125			15.5	20
trans-1,2-Dichloroethene	0.125	0.111	0.131	88.8	105	71.0-125			16.5	20
1,2-Dichloropropane	0.125	0.108	0.129	86.4	103	74.0-125			17.7	20
1,1-Dichloropropene	0.125	0.119	0.137	95.2	110	73.0-125			14.1	20
1,3-Dichloropropane	0.125	0.108	0.114	86.4	91.2	80.0-125			5.41	20
cis-1,3-Dichloropropene	0.125	0.105	0.125	84.0	100	76.0-127			17.4	20
trans-1,3-Dichloropropene	0.125	0.105	0.112	84.0	89.6	73.0-127			6.45	20
2,2-Dichloropropane	0.125	0.0997	0.137	79.8	110	59.0-135		J3	31.5	20
Di-isopropyl ether	0.125	0.111	0.130	88.8	104	60.0-136			15.8	20
Ethylbenzene	0.125	0.109	0.121	87.2	96.8	74.0-126			10.4	20
Hexachloro-1,3-butadiene	0.125	0.0899	0.116	71.9	92.8	57.0-150		J3	25.4	20
Isopropylbenzene	0.125	0.110	0.119	88.0	95.2	72.0-127			7.86	20
p-Isopropyltoluene	0.125	0.107	0.128	85.6	102	72.0-133			17.9	20
2-Butanone (MEK)	0.625	0.533	0.677	85.3	108	30.0-160			23.8	24
Methylene Chloride	0.125	0.110	0.147	88.0	118	68.0-123		J3	28.8	20
4-Methyl-2-pentanone (MIBK)	0.625	0.583	0.627	93.3	100	56.0-143			7.27	20
Methyl tert-butyl ether	0.125	0.105	0.120	84.0	96.0	66.0-132			13.3	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4113427-1 08/29/24 08:48 • (LCSD) R4113427-2 08/29/24 09:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.102	0.117	81.6	93.6	59.0-130			13.7	20
n-Propylbenzene	0.125	0.105	0.125	84.0	100	74.0-126			17.4	20
Styrene	0.125	0.110	0.119	88.0	95.2	72.0-127			7.86	20
1,1,1,2-Tetrachloroethane	0.125	0.0960	0.111	76.8	88.8	74.0-129			14.5	20
1,1,2,2-Tetrachloroethane	0.125	0.103	0.125	82.4	100	68.0-128			19.3	20
1,1,2-Trichlorotrifluoroethane	0.125	0.126	0.138	101	110	61.0-139			9.09	20
Tetrachloroethene	0.125	0.104	0.117	83.2	93.6	70.0-136			11.8	20
Toluene	0.125	0.108	0.117	86.4	93.6	75.0-121			8.00	20
1,2,3-Trichlorobenzene	0.125	0.0940	0.111	75.2	88.8	59.0-139			16.6	20
1,2,4-Trichlorobenzene	0.125	0.102	0.118	81.6	94.4	62.0-137			14.5	20
1,1,1-Trichloroethane	0.125	0.112	0.128	89.6	102	69.0-126			13.3	20
1,1,2-Trichloroethane	0.125	0.112	0.119	89.6	95.2	78.0-123			6.06	20
Trichloroethene	0.125	0.115	0.128	92.0	102	76.0-126			10.7	20
Trichlorofluoromethane	0.125	0.109	0.127	87.2	102	61.0-142			15.3	20
1,2,3-Trichloropropane	0.125	0.102	0.117	81.6	93.6	67.0-129			13.7	20
1,2,4-Trimethylbenzene	0.125	0.104	0.122	83.2	97.6	70.0-126			15.9	20
1,2,3-Trimethylbenzene	0.125	0.104	0.121	83.2	96.8	74.0-124			15.1	20
Vinyl chloride	0.125	0.126	0.145	101	116	63.0-134			14.0	20
1,3,5-Trimethylbenzene	0.125	0.105	0.121	84.0	96.8	73.0-127			14.2	20
Xylenes, Total	0.375	0.321	0.354	85.6	94.4	72.0-127			9.78	20
(S) Toluene-d8				*94.8*	*86.3*	*75.0-131*				
(S) 4-Bromofluorobenzene				*97.5*	*92.8*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*86.1*	*88.7*	*70.0-130*				

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Method Blank (MB)

(MB) R4114773-3 08/31/24 07:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4114773-3 08/31/24 07:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
Vinyl chloride	U		0.00116	0.00250
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*111*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4114773-1 08/31/24 05:38 • (LCSD) R4114773-2 08/31/24 05:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.797	0.789	128	126	10.0-160			1.01	31
Acrylonitrile	0.625	0.737	0.709	118	113	45.0-153			3.87	22
Benzene	0.125	0.125	0.121	100	96.8	70.0-123			3.25	20
Bromobenzene	0.125	0.138	0.134	110	107	73.0-121			2.94	20
Bromodichloromethane	0.125	0.117	0.119	93.6	95.2	73.0-121			1.69	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4114773-1 08/31/24 05:38 • (LCSD) R4114773-2 08/31/24 05:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.103	0.105	82.4	84.0	64.0-132			1.92	20
Bromomethane	0.125	0.140	0.125	112	100	56.0-147			11.3	20
n-Butylbenzene	0.125	0.150	0.142	120	114	68.0-135			5.48	20
sec-Butylbenzene	0.125	0.148	0.145	118	116	74.0-130			2.05	20
tert-Butylbenzene	0.125	0.150	0.145	120	116	75.0-127			3.39	20
Carbon tetrachloride	0.125	0.118	0.118	94.4	94.4	66.0-128			0.000	20
Chlorobenzene	0.125	0.127	0.120	102	96.0	76.0-128			5.67	20
Chlorodibromomethane	0.125	0.120	0.117	96.0	93.6	74.0-127			2.53	20
Chloroethane	0.125	0.139	0.127	111	102	61.0-134			9.02	20
Chloroform	0.125	0.125	0.121	100	96.8	72.0-123			3.25	20
Chloromethane	0.125	0.130	0.0989	104	79.1	51.0-138		J3	27.2	20
2-Chlorotoluene	0.125	0.134	0.122	107	97.6	75.0-124			9.38	20
4-Chlorotoluene	0.125	0.149	0.143	119	114	75.0-124			4.11	20
1,2-Dibromo-3-Chloropropane	0.125	0.115	0.120	92.0	96.0	59.0-130			4.26	20
1,2-Dibromoethane	0.125	0.134	0.126	107	101	74.0-128			6.15	20
Dibromomethane	0.125	0.121	0.118	96.8	94.4	75.0-122			2.51	20
1,2-Dichlorobenzene	0.125	0.142	0.137	114	110	76.0-124			3.58	20
1,3-Dichlorobenzene	0.125	0.139	0.134	111	107	76.0-125			3.66	20
1,4-Dichlorobenzene	0.125	0.133	0.130	106	104	77.0-121			2.28	20
Dichlorodifluoromethane	0.125	0.165	0.106	132	84.8	43.0-156		J3	43.5	20
1,1-Dichloroethane	0.125	0.127	0.119	102	95.2	70.0-127			6.50	20
1,2-Dichloroethane	0.125	0.109	0.118	87.2	94.4	65.0-131			7.93	20
1,1-Dichloroethene	0.125	0.138	0.132	110	106	65.0-131			4.44	20
cis-1,2-Dichloroethene	0.125	0.119	0.109	95.2	87.2	73.0-125			8.77	20
trans-1,2-Dichloroethene	0.125	0.124	0.114	99.2	91.2	71.0-125			8.40	20
1,2-Dichloropropane	0.125	0.117	0.123	93.6	98.4	74.0-125			5.00	20
1,1-Dichloropropene	0.125	0.137	0.136	110	109	73.0-125			0.733	20
1,3-Dichloropropane	0.125	0.136	0.129	109	103	80.0-125			5.28	20
cis-1,3-Dichloropropene	0.125	0.122	0.118	97.6	94.4	76.0-127			3.33	20
trans-1,3-Dichloropropene	0.125	0.127	0.121	102	96.8	73.0-127			4.84	20
2,2-Dichloropropane	0.125	0.108	0.0979	86.4	78.3	59.0-135			9.81	20
Di-isopropyl ether	0.125	0.123	0.121	98.4	96.8	60.0-136			1.64	20
Ethylbenzene	0.125	0.141	0.136	113	109	74.0-126			3.61	20
Hexachloro-1,3-butadiene	0.125	0.143	0.140	114	112	57.0-150			2.12	20
Isopropylbenzene	0.125	0.144	0.134	115	107	72.0-127			7.19	20
p-Isopropyltoluene	0.125	0.142	0.138	114	110	72.0-133			2.86	20
2-Butanone (MEK)	0.625	0.467	0.551	74.7	88.2	30.0-160			16.5	24
Methylene Chloride	0.125	0.118	0.111	94.4	88.8	68.0-123			6.11	20
4-Methyl-2-pentanone (MIBK)	0.625	0.728	0.716	116	115	56.0-143			1.66	20
Methyl tert-butyl ether	0.125	0.116	0.123	92.8	98.4	66.0-132			5.86	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4114773-1 08/31/24 05:38 • (LCSD) R4114773-2 08/31/24 05:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.140	0.146	112	117	59.0-130			4.20	20
n-Propylbenzene	0.125	0.166	0.162	133	130	74.0-126	J4	J4	2.44	20
Styrene	0.125	0.137	0.129	110	103	72.0-127			6.02	20
1,1,1,2-Tetrachloroethane	0.125	0.126	0.118	101	94.4	74.0-129			6.56	20
1,1,2,2-Tetrachloroethane	0.125	0.124	0.122	99.2	97.6	68.0-128			1.63	20
1,1,2-Trichlorotrifluoroethane	0.125	0.151	0.119	121	95.2	61.0-139		J3	23.7	20
Tetrachloroethene	0.125	0.145	0.134	116	107	70.0-136			7.89	20
Toluene	0.125	0.136	0.126	109	101	75.0-121			7.63	20
1,2,3-Trichlorobenzene	0.125	0.145	0.147	116	118	59.0-139			1.37	20
1,2,4-Trichlorobenzene	0.125	0.137	0.134	110	107	62.0-137			2.21	20
1,1,1-Trichloroethane	0.125	0.135	0.129	108	103	69.0-126			4.55	20
1,1,2-Trichloroethane	0.125	0.126	0.125	101	100	78.0-123			0.797	20
Trichloroethene	0.125	0.143	0.133	114	106	76.0-126			7.25	20
Trichlorofluoromethane	0.125	0.129	0.109	103	87.2	61.0-142			16.8	20
1,2,3-Trichloropropane	0.125	0.143	0.138	114	110	67.0-129			3.56	20
1,2,4-Trimethylbenzene	0.125	0.133	0.138	106	110	70.0-126			3.69	20
1,2,3-Trimethylbenzene	0.125	0.137	0.130	110	104	74.0-124			5.24	20
Vinyl chloride	0.125	0.135	0.107	108	85.6	63.0-134		J3	23.1	20
1,3,5-Trimethylbenzene	0.125	0.141	0.137	113	110	73.0-127			2.88	20
Xylenes, Total	0.375	0.408	0.373	109	99.5	72.0-127			8.96	20
(S) Toluene-d8				*104*	*105*	*75.0-131*				
(S) 4-Bromofluorobenzene				*98.9*	*101*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*100*	*106*	*70.0-130*				

L1771253-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771253-05 08/31/24 15:18 • (MS) R4114773-4 08/31/24 15:57 • (MSD) R4114773-5 08/31/24 16:17

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.820	ND	1.05	0.483	128	58.9	1.09	10.0-160		J3	74.0	40
Acrylonitrile	0.820	ND	0.960	0.656	117	79.9	1.09	10.0-160			37.6	40
Benzene	0.165	ND	0.0868	0.165	52.8	100	1.09	10.0-149		J3	61.8	37
Bromobenzene	0.165	ND	0.137	0.196	83.2	119	1.09	10.0-156			35.4	38
Bromodichloromethane	0.165	ND	0.100	0.153	60.9	92.7	1.09	10.0-143		J3	41.3	37
Bromoform	0.165	ND	0.113	0.125	68.8	75.9	1.09	10.0-146			9.89	36
Bromomethane	0.165	ND	0.0364	0.0821	22.1	49.9	1.09	10.0-149		J3	77.2	38
n-Butylbenzene	0.165	ND	0.113	0.219	68.8	133	1.09	10.0-160		J3	63.6	40
sec-Butylbenzene	0.165	ND	0.110	0.215	66.6	131	1.09	10.0-159		J3	64.9	39
tert-Butylbenzene	0.165	ND	0.112	0.222	68.1	135	1.09	10.0-156		J3	65.9	39

L1771253-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771253-05 08/31/24 15:18 • (MS) R4114773-4 08/31/24 15:57 • (MSD) R4114773-5 08/31/24 16:17

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	0.165	ND	0.0688	0.174	41.8	106	1.09	10.0-145		J3	86.7	37
Chlorobenzene	0.165	ND	0.110	0.183	66.6	111	1.09	10.0-152		J3	49.7	39
Chlorodibromomethane	0.165	ND	0.119	0.147	72.4	89.1	1.09	10.0-146			20.6	37
Chloroethane	0.165	ND	0.0149	0.0458	9.05	27.8	1.09	10.0-146	J6	J3	102	40
Chloroform	0.165	ND	0.103	0.173	62.6	105	1.09	10.0-146		J3	50.8	37
Chloromethane	0.165	ND	0.0558	0.126	33.9	76.6	1.09	10.0-159		J3	77.2	37
2-Chlorotoluene	0.165	ND	0.124	0.186	75.2	113	1.09	10.0-159		J3	40.3	38
4-Chlorotoluene	0.165	ND	0.126	0.215	76.6	131	1.09	10.0-155		J3	52.1	39
1,2-Dibromo-3-Chloropropane	0.165	ND	0.121	0.116	73.7	70.7	1.09	10.0-151			4.14	39
1,2-Dibromoethane	0.165	ND	0.148	0.169	89.8	103	1.09	10.0-148			13.6	34
Dibromomethane	0.165	ND	0.132	0.149	80.3	90.5	1.09	10.0-147			12.0	35
1,2-Dichlorobenzene	0.165	ND	0.151	0.195	92.0	118	1.09	10.0-155			25.0	37
1,3-Dichlorobenzene	0.165	ND	0.131	0.204	79.6	124	1.09	10.0-153		J3	43.7	38
1,4-Dichlorobenzene	0.165	ND	0.134	0.191	81.8	116	1.09	10.0-151			34.7	38
Dichlorodifluoromethane	0.165	ND	0.0699	0.177	42.5	107	1.09	10.0-160		J3	86.5	35
1,1-Dichloroethane	0.165	ND	0.0901	0.162	54.7	98.5	1.09	10.0-147		J3	57.1	37
1,2-Dichloroethane	0.165	ND	0.118	0.139	72.0	84.7	1.09	10.0-148			16.2	35
1,1-Dichloroethene	0.165	0.00857	0.0878	0.201	48.1	117	1.09	10.0-155		J3	78.2	37
cis-1,2-Dichloroethene	0.165	5.13	5.88	5.85	460	438	1.09	10.0-149	E V	E V	0.614	37
trans-1,2-Dichloroethene	0.165	0.0997	0.193	0.276	56.9	107	1.09	10.0-150			35.3	37
1,2-Dichloropropane	0.165	ND	0.102	0.159	62.1	96.4	1.09	10.0-148		J3	43.2	37
1,1-Dichloropropene	0.165	ND	0.0741	0.183	45.0	111	1.09	10.0-153		J3	84.5	35
1,3-Dichloropropane	0.165	ND	0.148	0.181	89.8	110	1.09	10.0-154			20.4	35
cis-1,3-Dichloropropene	0.165	ND	0.117	0.160	71.3	97.1	1.09	10.0-151			30.6	37
trans-1,3-Dichloropropene	0.165	ND	0.134	0.169	81.8	103	1.09	10.0-148			22.9	37
2,2-Dichloropropane	0.165	ND	0.0540	0.126	32.8	76.6	1.09	10.0-138		J3	80.0	36
Di-isopropyl ether	0.165	ND	0.118	0.162	71.7	98.5	1.09	10.0-147			31.6	36
Ethylbenzene	0.165	ND	0.108	0.199	65.6	121	1.09	10.0-160		J3	59.5	38
Hexachloro-1,3-butadiene	0.165	ND	0.136	0.204	82.5	124	1.09	10.0-160		J3	40.3	40
Isopropylbenzene	0.165	ND	0.115	0.208	69.8	126	1.09	10.0-155		J3	57.6	38
p-Isopropyltoluene	0.165	ND	0.116	0.204	70.3	124	1.09	10.0-160		J3	55.4	40
2-Butanone (MEK)	0.820	ND	1.01	0.494	123	60.2	1.09	10.0-160		J3	68.4	40
Methylene Chloride	0.165	ND	0.110	0.139	67.0	84.7	1.09	10.0-141			23.3	37
4-Methyl-2-pentanone (MIBK)	0.820	ND	0.881	0.791	107	96.5	1.09	10.0-160			10.8	35
Methyl tert-butyl ether	0.165	ND	0.131	0.145	79.6	88.3	1.09	11.0-147			10.4	35
Naphthalene	0.165	ND	0.177	0.148	107	89.8	1.09	10.0-160			17.8	36
n-Propylbenzene	0.165	ND	0.104	0.237	63.1	144	1.09	10.0-158		J3	78.0	38
Styrene	0.165	ND	0.116	0.186	70.5	113	1.09	10.0-160		J3	46.4	40
1,1,1,2-Tetrachloroethane	0.165	ND	0.114	0.167	69.5	101	1.09	10.0-149			37.4	39

L1771253-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771253-05 08/31/24 15:18 • (MS) R4114773-4 08/31/24 15:57 • (MSD) R4114773-5 08/31/24 16:17

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,2,2-Tetrachloroethane	0.165	ND	0.157	0.161	95.6	97.8	1.09	10.0-160			2.26	35
1,1,2-Trichlorotrifluoroethane	0.165	ND	0.0592	0.199	36.0	121	1.09	10.0-160		J3	108	36
Tetrachloroethene	0.165	1.68	2.35	2.52	409	511	1.09	10.0-156	V	V	6.90	39
Toluene	0.165	ND	0.101	0.187	60.4	113	1.09	10.0-156		J3	59.7	38
1,2,3-Trichlorobenzene	0.165	ND	0.175	0.166	107	101	1.09	10.0-160			5.63	40
1,2,4-Trichlorobenzene	0.165	ND	0.150	0.173	91.2	105	1.09	10.0-160			14.1	40
1,1,1-Trichloroethane	0.165	ND	0.0665	0.156	40.4	94.9	1.09	10.0-144		J3	80.5	35
1,1,2-Trichloroethane	0.165	ND	0.144	0.168	87.6	102	1.09	10.0-160			15.4	35
Trichloroethene	0.165	0.229	0.384	0.482	94.2	153	1.09	10.0-156			22.5	38
Trichlorofluoromethane	0.165	ND	0.0228	0.0848	13.9	51.5	1.09	10.0-160		J3	115	40
1,2,3-Trichloropropane	0.165	ND	0.171	0.165	104	100	1.09	10.0-156			3.58	35
1,2,4-Trimethylbenzene	0.165	ND	0.119	0.185	72.4	112	1.09	10.0-160		J3	43.3	36
1,2,3-Trimethylbenzene	0.165	ND	0.121	0.184	73.7	112	1.09	10.0-160		J3	40.9	36
Vinyl chloride	0.165	0.0802	0.167	0.259	52.7	109	1.09	10.0-160		J3	43.4	37
1,3,5-Trimethylbenzene	0.165	ND	0.111	0.201	67.3	122	1.09	10.0-160		J3	57.7	38
Xylenes, Total	0.491	ND	0.264	0.564	53.8	115	1.09	10.0-160		J3	72.5	38
(S) Toluene-d8					*103*	*107*		*75.0-131*				
(S) 4-Bromofluorobenzene					*98.3*	*95.3*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*98.8*	*88.8*		*70.0-130*				

DRAFT

Method Blank (MB)

(MB) R4112797-3 08/27/24 18:33

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C12-C22 Hydrocarbons	U		0.0330	0.100
C22-C32 Hydrocarbons	U		0.0330	0.100
C32-C40 Hydrocarbons	U		0.0330	0.100
(S) o-Terphenyl	*60.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4112797-2 08/27/24 18:12 • (LCSD) R4112797-1 08/27/24 17:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	0.750	0.688	0.707	91.7	94.3	50.0-150			2.72	20
C22-C32 Hydrocarbons	0.750	0.646	0.617	86.1	82.3	50.0-150			4.59	20
(S) o-Terphenyl				*63.0*	*61.5*	*52.0-156*				

DRAFT

Method Blank (MB)

(MB) R4112439-1 08/27/24 12:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		2.00	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*70.9*			*18.0-148*

Method Blank (MB)

(MB) R4112623-1 08/27/24 17:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		2.00	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*73.3*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4112439-2 08/27/24 12:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	25.4	102	50.0-150	
C22-C32 Hydrocarbons	25.0	20.7	82.8	50.0-150	
(S) o-Terphenyl			*63.5*	*18.0-148*	

L1766852-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1766852-04 08/28/24 09:18 • (MS) R4112848-1 08/28/24 09:33 • (MSD) R4112848-2 08/28/24 09:47

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	29.1	ND	66.2	ND	227	158	10	50.0-150	J5	J3 J5	35.7	20
C22-C32 Hydrocarbons	29.1	73.3	126	96.2	179	78.6	10	50.0-150	J5	J3	26.5	20
(S) o-Terphenyl					*77.4*	*82.3*		*18.0-148*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

DRAFT

Method Blank (MB)

(MB) R4115140-1 09/04/24 00:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		2.00	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*72.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4115140-2 09/04/24 00:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	22.3	89.2	50.0-150	
C22-C32 Hydrocarbons	25.0	19.5	78.0	50.0-150	
(S) o-Terphenyl			*78.4*	*18.0-148*	

DRAFT

Method Blank (MB)

(MB) R4113743-3 08/29/24 09:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Anthracene	U		0.0000804	0.00100
Benzidine	U		0.00374	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.00100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.00100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodimethylamine	U		0.000998	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300

Method Blank (MB)

(MB) R4113743-3 08/29/24 09:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*32.9*			*10.0-120*
(S) Phenol-d5	*21.3*			*10.0-120*
(S) Nitrobenzene-d5	*50.7*			*10.0-127*
(S) 2-Fluorobiphenyl	*57.4*			*10.0-130*
(S) 2,4,6-Tribromophenol	*53.0*			*10.0-155*
(S) p-Terphenyl-d14	*70.2*			*10.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4113743-1 08/29/24 09:04 • (LCSD) R4113743-2 08/29/24 09:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	0.0466	0.0338	93.2	67.6	41.0-120		J3	31.8	22
Acenaphthylene	0.0500	0.0454	0.0337	90.8	67.4	43.0-120		J3	29.6	22
Anthracene	0.0500	0.0499	0.0358	99.8	71.6	45.0-120		J3	32.9	20
Benzidine	0.100	0.00486	0.00321	4.86	3.21	10.0-120	J4	J3 J4	40.9	36
Benzo(a)anthracene	0.0500	0.0526	0.0365	105	73.0	47.0-120		J3	36.1	20
Benzo(b)fluoranthene	0.0500	0.0481	0.0332	96.2	66.4	46.0-120		J3	36.7	20
Benzo(k)fluoranthene	0.0500	0.0487	0.0335	97.4	67.0	46.0-120		J3	37.0	21
Benzo(g,h,i)perylene	0.0500	0.0494	0.0329	98.8	65.8	48.0-121		J3	40.1	20
Benzo(a)pyrene	0.0500	0.0489	0.0336	97.8	67.2	47.0-120		J3	37.1	20
Bis(2-chlorethoxy)methane	0.0500	0.0390	0.0289	78.0	57.8	33.0-120		J3	29.7	24
Bis(2-chloroethyl)ether	0.0500	0.0373	0.0263	74.6	52.6	23.0-120		J3	34.6	33
2,2-Oxybis(1-Chloropropane)	0.0500	0.0378	0.0274	75.6	54.8	28.0-120		J3	31.9	31
4-Bromophenyl-phenylether	0.0500	0.0526	0.0379	105	75.8	45.0-120		J3	32.5	20
2-Chloronaphthalene	0.0500	0.0436	0.0313	87.2	62.6	37.0-120		J3	32.8	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4113743-1 08/29/24 09:04 • (LCSD) R4113743-2 08/29/24 09:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	0.0500	0.0540	0.0384	108	76.8	44.0-120		J3	33.8	20
Chrysene	0.0500	0.0514	0.0360	103	72.0	48.0-120		J3	35.2	20
Dibenz(a,h)anthracene	0.0500	0.0522	0.0357	104	71.4	47.0-120		J3	37.5	20
3,3-Dichlorobenzidine	0.100	0.101	0.0690	101	69.0	44.0-120		J3	37.6	20
2,4-Dinitrotoluene	0.0500	0.0588	0.0422	118	84.4	49.0-124		J3	32.9	20
2,6-Dinitrotoluene	0.0500	0.0556	0.0408	111	81.6	46.0-120		J3	30.7	21
Fluoranthene	0.0500	0.0535	0.0374	107	74.8	51.0-120		J3	35.4	20
Fluorene	0.0500	0.0506	0.0363	101	72.6	47.0-120		J3	32.9	20
Hexachlorobenzene	0.0500	0.0516	0.0366	103	73.2	44.0-120		J3	34.0	20
Hexachloro-1,3-butadiene	0.0500	0.0375	0.0286	75.0	57.2	19.0-120			26.9	32
Hexachlorocyclopentadiene	0.0500	0.0282	0.0217	56.4	43.4	15.0-120			26.1	31
Hexachloroethane	0.0500	0.0370	0.0275	74.0	55.0	15.0-120			29.5	37
Indeno(1,2,3-cd)pyrene	0.0500	0.0485	0.0329	97.0	65.8	49.0-122		J3	38.3	20
Isophorone	0.0500	0.0344	0.0267	68.8	53.4	36.0-120		J3	25.2	23
Naphthalene	0.0500	0.0366	0.0272	73.2	54.4	27.0-120		J3	29.5	27
Nitrobenzene	0.0500	0.0347	0.0259	69.4	51.8	27.0-120			29.0	29
n-Nitrosodimethylamine	0.0500	0.0344	0.0241	68.8	48.2	10.0-120			35.2	40
n-Nitrosodiphenylamine	0.0500	0.0461	0.0334	92.2	66.8	47.0-120		J3	31.9	20
n-Nitrosodi-n-propylamine	0.0500	0.0345	0.0283	69.0	56.6	31.0-120			19.7	28
Phenanthrene	0.0500	0.0493	0.0358	98.6	71.6	46.0-120		J3	31.7	20
Benzylbutyl phthalate	0.0500	0.0547	0.0385	109	77.0	43.0-121		J3	34.8	20
Bis(2-ethylhexyl)phthalate	0.0500	0.0500	0.0353	100	70.6	43.0-122		J3	34.5	20
Di-n-butyl phthalate	0.0500	0.0538	0.0376	108	75.2	49.0-121		J3	35.4	20
Diethyl phthalate	0.0500	0.0538	0.0396	108	79.2	48.0-122		J3	30.4	20
Dimethyl phthalate	0.0500	0.0529	0.0391	106	78.2	48.0-120		J3	30.0	20
Di-n-octyl phthalate	0.0500	0.0512	0.0354	102	70.8	42.0-125		J3	36.5	20
Pyrene	0.0500	0.0496	0.0350	99.2	70.0	47.0-120		J3	34.5	20
1,2,4-Trichlorobenzene	0.0500	0.0375	0.0279	75.0	55.8	24.0-120		J3	29.4	29
4-Chloro-3-methylphenol	0.0500	0.0317	0.0291	63.4	58.2	40.0-120			8.55	21
2-Chlorophenol	0.0500	0.0292	0.0250	58.4	50.0	25.0-120			15.5	35
2,4-Dichlorophenol	0.0500	0.0325	0.0295	65.0	59.0	36.0-120			9.68	26
2,4-Dimethylphenol	0.0500	0.0276	0.0233	55.2	46.6	33.0-120			16.9	26
4,6-Dinitro-2-methylphenol	0.0500	0.0552	0.0482	110	96.4	38.0-138			13.5	25
2,4-Dinitrophenol	0.0500	0.0485	0.0455	97.0	91.0	10.0-120			6.38	39
2-Nitrophenol	0.0500	0.0364	0.0311	72.8	62.2	31.0-120			15.7	29
4-Nitrophenol	0.0500	0.0211	0.0174	42.2	34.8	10.0-120			19.2	33
Pentachlorophenol	0.0500	0.0419	0.0361	83.8	72.2	23.0-120			14.9	25
Phenol	0.0500	0.0174	0.0129	34.8	25.8	10.0-120			29.7	36
2,4,6-Trichlorophenol	0.0500	0.0413	0.0363	82.6	72.6	42.0-120			12.9	23
(S) 2-Fluorophenol				*49.0*	*39.0*	*10.0-120*				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4113743-1 08/29/24 09:04 • (LCSD) R4113743-2 08/29/24 09:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
(S) Phenol-d5				*32.6*	*23.9*	*10.0-120*				
(S) Nitrobenzene-d5				*68.6*	*50.6*	*10.0-127*				
(S) 2-Fluorobiphenyl				*87.2*	*63.8*	*10.0-130*				
(S) 2,4,6-Tribromophenol				*94.0*	*77.0*	*10.0-155*				
(S) p-Terphenyl-d14				*99.2*	*68.8*	*10.0-128*				

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Method Blank (MB)

(MB) R4113832-3 08/29/24 14:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4113832-3 08/29/24 14:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Methylphenol	U		0.0100	0.333
3&4-Methyl Phenol	U		0.0104	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Pyridine	U		0.0220	0.333
2,4,5-Trichlorophenol	U		0.0113	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
Phenol	U		0.0134	0.333
(S) 2-Fluorophenol	*70.1*			*12.0-120*
(S) Phenol-d5	*65.8*			*10.0-120*
(S) Nitrobenzene-d5	*60.1*			*10.0-122*
(S) 2-Fluorobiphenyl	*62.2*			*15.0-120*
(S) 2,4,6-Tribromophenol	*62.0*			*10.0-127*
(S) p-Terphenyl-d14	*70.6*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4113832-1 08/29/24 13:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.502	75.4	38.0-120	
Acenaphthylene	0.666	0.500	75.1	40.0-120	
Anthracene	0.666	0.529	79.4	42.0-120	
Benzidine	1.33	0.848	63.8	10.0-120	
Benzo(a)anthracene	0.666	0.549	82.4	44.0-120	
Benzo(b)fluoranthene	0.666	0.557	83.6	43.0-120	
Benzo(k)fluoranthene	0.666	0.556	83.5	44.0-120	
Benzo(g,h,i)perylene	0.666	0.534	80.2	43.0-120	
Benzo(a)pyrene	0.666	0.577	86.6	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.423	63.5	20.0-120	

Laboratory Control Sample (LCS)

(LCS) R4113832-1 08/29/24 13:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bis(2-chloroethyl)ether	0.666	0.477	71.6	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.479	71.9	23.0-120	
4-Bromophenyl-phenylether	0.666	0.528	79.3	40.0-120	
2-Chloronaphthalene	0.666	0.493	74.0	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.526	79.0	40.0-120	
Chrysene	0.666	0.553	83.0	43.0-120	
Dibenz(a,h)anthracene	0.666	0.585	87.8	44.0-120	
3,3-Dichlorobenzidine	1.33	1.10	82.7	28.0-120	
2,4-Dinitrotoluene	0.666	0.567	85.1	45.0-120	
2,6-Dinitrotoluene	0.666	0.553	83.0	42.0-120	
Fluoranthene	0.666	0.551	82.7	44.0-120	
Fluorene	0.666	0.524	78.7	41.0-120	
Hexachlorobenzene	0.666	0.509	76.4	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.401	60.2	15.0-120	
Hexachlorocyclopentadiene	0.666	0.434	65.2	15.0-120	
Hexachloroethane	0.666	0.467	70.1	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.540	81.1	45.0-120	
Isophorone	0.666	0.403	60.5	23.0-120	
Naphthalene	0.666	0.401	60.2	18.0-120	
Nitrobenzene	0.666	0.417	62.6	17.0-120	
n-Nitrosodimethylamine	0.666	0.514	77.2	10.0-125	
n-Nitrosodiphenylamine	0.666	0.526	79.0	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.494	74.2	26.0-120	
Phenanthrene	0.666	0.528	79.3	42.0-120	
Benzylbutyl phthalate	0.666	0.575	86.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.565	84.8	41.0-120	
Di-n-butyl phthalate	0.666	0.552	82.9	43.0-120	
Diethyl phthalate	0.666	0.545	81.8	43.0-120	
Dimethyl phthalate	0.666	0.521	78.2	43.0-120	
Di-n-octyl phthalate	0.666	0.572	85.9	40.0-120	
Pyrene	0.666	0.540	81.1	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.407	61.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.447	67.1	28.0-120	
2-Chlorophenol	0.666	0.519	77.9	28.0-120	
2,4-Dichlorophenol	0.666	0.442	66.4	25.0-120	
2,4-Dimethylphenol	0.666	0.430	64.6	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.624	93.7	16.0-120	
2,4-Dinitrophenol	0.666	0.575	86.3	10.0-120	
2-Methylphenol	0.666	0.525	78.8	35.0-120	
3&4-Methyl Phenol	0.666	0.590	88.6	42.0-120	

Laboratory Control Sample (LCS)

(LCS) R4113832-1 08/29/24 13:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.483	72.5	20.0-120	
4-Nitrophenol	0.666	0.623	93.5	27.0-120	
Pentachlorophenol	0.666	0.498	74.8	29.0-120	
Pyridine	0.666	0.339	50.9	10.0-120	
2,4,5-Trichlorophenol	0.666	0.517	77.6	38.0-120	
2,4,6-Trichlorophenol	0.666	0.488	73.3	37.0-120	
Phenol	0.666	0.516	77.5	28.0-120	
(S) 2-Fluorophenol			*81.8*	*12.0-120*	
(S) Phenol-d5			*75.5*	*10.0-120*	
(S) Nitrobenzene-d5			*58.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*72.1*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*82.1*	*10.0-127*	
(S) p-Terphenyl-d14			*78.7*	*10.0-120*	

L1770503-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770503-01 08/29/24 19:06 • (MS) R4113832-4 08/29/24 19:28 • (MSD) R4113832-5 08/29/24 19:50

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.648	ND	0.367	0.378	56.6	57.3	1	18.0-120			2.75	32
Acenaphthylene	0.648	ND	0.364	0.375	56.2	56.9	1	25.0-120			2.78	32
Anthracene	0.648	ND	0.384	0.401	59.2	60.9	1	22.0-120			4.44	29
Benzidine	1.29	ND	ND	ND	48.6	47.4	1	10.0-120			0.820	40
Benzo(a)anthracene	0.648	ND	0.408	0.424	62.0	63.4	1	25.0-120			3.70	29
Benzo(b)fluoranthene	0.648	ND	0.408	0.423	60.4	61.7	1	19.0-122			3.46	31
Benzo(k)fluoranthene	0.648	ND	0.398	0.409	61.4	62.1	1	23.0-120			2.80	30
Benzo(g,h,i)perylene	0.648	ND	0.333	0.342	49.8	50.3	1	10.0-120			2.43	33
Benzo(a)pyrene	0.648	ND	0.422	0.434	63.6	64.5	1	24.0-120			2.88	30
Bis(2-chlorethoxy)methane	0.648	ND	ND	ND	49.7	48.3	1	10.0-120			1.28	34
Bis(2-chloroethyl)ether	0.648	ND	0.349	0.355	53.8	53.9	1	10.0-120			1.75	40
2,2-Oxybis(1-Chloropropane)	0.648	ND	0.353	0.352	54.4	53.4	1	10.0-120			0.291	40
4-Bromophenyl-phenylether	0.648	ND	0.384	0.392	59.2	59.5	1	27.0-120			2.12	30
2-Chloronaphthalene	0.648	ND	0.363	0.366	56.0	55.6	1	20.0-120			0.844	32
4-Chlorophenyl-phenylether	0.648	ND	0.380	0.398	58.5	60.4	1	24.0-120			4.75	29
Chrysene	0.648	ND	0.408	0.425	61.4	62.9	1	21.0-120			3.94	29
Dibenz(a,h)anthracene	0.648	ND	0.371	0.383	57.3	58.1	1	10.0-120			2.99	32
3,3-Dichlorobenzidine	1.29	ND	0.780	0.840	60.3	64.0	1	10.0-120			7.47	34
2,4-Dinitrotoluene	0.648	ND	0.416	0.428	64.1	65.0	1	30.0-120			2.92	31
2,6-Dinitrotoluene	0.648	ND	0.402	0.405	62.0	61.5	1	25.0-120			0.762	31

L1770503-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770503-01 08/29/24 19:06 • (MS) R4113832-4 08/29/24 19:28 • (MSD) R4113832-5 08/29/24 19:50

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoranthene	0.648	ND	0.425	0.439	62.9	64.1	1	18.0-126			3.33	32
Fluorene	0.648	ND	0.386	0.394	59.5	59.8	1	25.0-120			2.11	30
Hexachlorobenzene	0.648	ND	0.366	0.382	56.5	57.9	1	27.0-120			4.12	28
Hexachloro-1,3-butadiene	0.648	ND	ND	ND	48.1	47.0	1	10.0-120			0.660	38
Hexachlorocyclopentadiene	0.648	ND	ND	ND	38.8	34.7	1	10.0-120			9.40	40
Hexachloroethane	0.648	ND	0.344	0.348	53.0	52.8	1	10.0-120			1.19	40
Indeno(1,2,3-cd)pyrene	0.648	ND	0.362	0.373	54.4	55.2	1	10.0-120			3.07	32
Isophorone	0.648	ND	ND	ND	48.1	47.7	1	13.0-120			0.656	34
Naphthalene	0.648	ND	0.309	0.310	47.6	47.0	1	10.0-120			0.332	35
Nitrobenzene	0.648	ND	ND	ND	49.5	48.6	1	10.0-120			0.320	36
n-Nitrosodimethylamine	0.648	ND	0.367	0.364	56.6	55.3	1	10.0-127			0.842	40
n-Nitrosodiphenylamine	0.648	ND	0.379	0.397	58.4	60.3	1	17.0-120			4.76	29
n-Nitrosodi-n-propylamine	0.648	ND	0.368	0.377	56.8	57.2	1	10.0-120			2.20	37
Phenanthrene	0.648	ND	0.386	0.400	59.5	60.7	1	17.0-120			3.66	31
Benzylbutyl phthalate	0.648	ND	0.446	0.473	68.8	71.8	1	23.0-120			5.80	30
Bis(2-ethylhexyl)phthalate	0.648	ND	0.443	0.469	68.4	71.2	1	17.0-126			5.62	30
Di-n-butyl phthalate	0.648	ND	0.414	0.433	63.8	65.7	1	30.0-120			4.61	29
Diethyl phthalate	0.648	ND	0.393	0.412	60.6	62.6	1	26.0-120			4.84	28
Dimethyl phthalate	0.648	ND	0.384	0.398	59.2	60.4	1	25.0-120			3.67	29
Di-n-octyl phthalate	0.648	ND	0.461	0.478	71.0	72.6	1	21.0-123			3.72	29
Pyrene	0.648	ND	0.415	0.425	61.4	62.0	1	16.0-121			2.44	32
1,2,4-Trichlorobenzene	0.648	ND	ND	ND	48.1	47.8	1	12.0-120			0.982	37
4-Chloro-3-methylphenol	0.648	ND	0.345	0.354	53.2	53.7	1	15.0-120			2.64	30
2-Chlorophenol	0.648	ND	0.386	0.388	59.5	58.9	1	15.0-120			0.531	37
2,4-Dichlorophenol	0.648	ND	0.349	0.350	53.8	53.1	1	20.0-120			0.294	31
2,4-Dimethylphenol	0.648	ND	ND	0.344	50.6	52.2	1	10.0-120			4.58	33
4,6-Dinitro-2-methylphenol	0.648	ND	0.466	0.474	71.8	72.0	1	10.0-120			1.75	39
2,4-Dinitrophenol	0.648	ND	0.471	0.470	72.6	71.3	1	10.0-121			0.218	40
2-Methylphenol	0.648	ND	0.395	0.401	60.9	60.9	1	11.0-120			1.55	40
3&4-Methyl Phenol	0.648	ND	0.435	0.448	67.1	68.1	1	12.0-123			3.02	38
2-Nitrophenol	0.648	ND	0.399	0.389	61.6	59.0	1	12.0-120			2.60	39
4-Nitrophenol	0.648	ND	0.487	0.486	75.2	73.8	1	10.0-137			0.211	32
Pentachlorophenol	0.648	ND	0.370	0.376	57.1	57.0	1	10.0-160			1.38	31
Pyridine	0.648	ND	ND	ND	41.1	42.2	1	10.0-120			4.14	40
2,4,5-Trichlorophenol	0.648	ND	0.395	0.412	60.9	62.6	1	20.0-120			4.32	30
2,4,6-Trichlorophenol	0.648	ND	0.376	0.383	57.9	58.1	1	19.0-120			1.89	32
Phenol	0.648	ND	0.382	0.389	58.9	59.0	1	12.0-120			1.86	38
(S) 2-Fluorophenol					*58.5*	*59.2*		*12.0-120*				
(S) Phenol-d5					*55.4*	*55.5*		*10.0-120*				

L1770503-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770503-01 08/29/24 19:06 • (MS) R4113832-4 08/29/24 19:28 • (MSD) R4113832-5 08/29/24 19:50

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Nitrobenzene-d5					*43.4*	*43.3*		*10.0-122*				
(S) 2-Fluorobiphenyl					*51.3*	*52.0*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*58.2*	*59.5*		*10.0-127*				
(S) p-Terphenyl-d14					*56.0*	*59.2*		*10.0-120*				

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Method Blank (MB)

(MB) R4116475-3 09/05/24 14:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4116475-3 09/05/24 14:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Methylphenol	U		0.0100	0.333
3&4-Methyl Phenol	U		0.0104	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Pyridine	U		0.0220	0.333
2,4,5-Trichlorophenol	U		0.0113	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
Phenol	U		0.0134	0.333
(S) 2-Fluorophenol	*62.9*			*12.0-120*
(S) Phenol-d5	*59.2*			*10.0-120*
(S) Nitrobenzene-d5	*49.5*			*10.0-122*
(S) 2-Fluorobiphenyl	*55.9*			*15.0-120*
(S) 2,4,6-Tribromophenol	*53.9*			*10.0-127*
(S) p-Terphenyl-d14	*58.0*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4116475-1 09/05/24 13:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.376	56.5	38.0-120	
Acenaphthylene	0.666	0.374	56.2	40.0-120	
Anthracene	0.666	0.396	59.5	42.0-120	
Benzidine	1.33	0.234	17.6	10.0-120	
Benzo(a)anthracene	0.666	0.420	63.1	44.0-120	
Benzo(b)fluoranthene	0.666	0.420	63.1	43.0-120	
Benzo(k)fluoranthene	0.666	0.424	63.7	44.0-120	
Benzo(g,h,i)perylene	0.666	0.392	58.9	43.0-120	
Benzo(a)pyrene	0.666	0.437	65.6	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.314	47.1	20.0-120	

Laboratory Control Sample (LCS)

(LCS) R4116475-1 09/05/24 13:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bis(2-chloroethyl)ether	0.666	0.349	52.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.363	54.5	23.0-120	
4-Bromophenyl-phenylether	0.666	0.397	59.6	40.0-120	
2-Chloronaphthalene	0.666	0.359	53.9	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.401	60.2	40.0-120	
Chrysene	0.666	0.422	63.4	43.0-120	
Dibenz(a,h)anthracene	0.666	0.427	64.1	44.0-120	
3,3-Dichlorobenzidine	1.33	0.770	57.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.453	68.0	45.0-120	
2,6-Dinitrotoluene	0.666	0.416	62.5	42.0-120	
Fluoranthene	0.666	0.422	63.4	44.0-120	
Fluorene	0.666	0.396	59.5	41.0-120	
Hexachlorobenzene	0.666	0.374	56.2	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.307	46.1	15.0-120	
Hexachlorocyclopentadiene	0.666	0.243	36.5	15.0-120	
Hexachloroethane	0.666	0.338	50.8	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.400	60.1	45.0-120	
Isophorone	0.666	0.314	47.1	23.0-120	
Naphthalene	0.666	0.315	47.3	18.0-120	
Nitrobenzene	0.666	0.312	46.8	17.0-120	
n-Nitrosodimethylamine	0.666	0.360	54.1	10.0-125	
n-Nitrosodiphenylamine	0.666	0.376	56.5	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.380	57.1	26.0-120	
Phenanthrene	0.666	0.396	59.5	42.0-120	
Benzylbutyl phthalate	0.666	0.422	63.4	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.423	63.5	41.0-120	
Di-n-butyl phthalate	0.666	0.408	61.3	43.0-120	
Diethyl phthalate	0.666	0.420	63.1	43.0-120	
Dimethyl phthalate	0.666	0.403	60.5	43.0-120	
Di-n-octyl phthalate	0.666	0.430	64.6	40.0-120	
Pyrene	0.666	0.415	62.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.306	45.9	17.0-120	
4-Chloro-3-methylphenol	0.666	0.334	50.2	28.0-120	
2-Chlorophenol	0.666	0.393	59.0	28.0-120	
2,4-Dichlorophenol	0.666	0.333	50.0	25.0-120	
2,4-Dimethylphenol	0.666	0.323	48.5	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.334	50.2	16.0-120	
2,4-Dinitrophenol	0.666	0.225	33.8	10.0-120	
2-Methylphenol	0.666	0.403	60.5	35.0-120	
3&4-Methyl Phenol	0.666	0.442	66.4	42.0-120	

Laboratory Control Sample (LCS)

(LCS) R4116475-1 09/05/24 13:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.335	50.3	20.0-120	
4-Nitrophenol	0.666	0.475	71.3	27.0-120	
Pentachlorophenol	0.666	0.383	57.5	29.0-120	
Pyridine	0.666	0.210	31.5	10.0-120	
2,4,5-Trichlorophenol	0.666	0.356	53.5	38.0-120	
2,4,6-Trichlorophenol	0.666	0.366	55.0	37.0-120	
Phenol	0.666	0.387	58.1	28.0-120	
(S) 2-Fluorophenol			*61.3*	*12.0-120*	
(S) Phenol-d5			*58.7*	*10.0-120*	
(S) Nitrobenzene-d5			*48.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*53.8*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*57.7*	*10.0-127*	
(S) p-Terphenyl-d14			*60.1*	*10.0-120*	

L1771253-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771253-05 09/05/24 20:04 • (MS) R4116475-5 09/05/24 20:24 • (MSD) R4116475-6 09/05/24 20:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.716	ND	ND	ND	63.7	66.0	20	18.0-120			4.03	32
Acenaphthylene	0.716	ND	ND	ND	60.6	64.9	20	25.0-120			7.35	32
Anthracene	0.716	ND	ND	ND	63.7	63.8	20	22.0-120			0.724	29
Benzidine	1.44	ND	ND	ND	142	147	20	10.0-120	J5	J5	3.19	40
Benzo(a)anthracene	0.716	ND	ND	ND	64.8	67.0	20	25.0-120			3.97	29
Benzo(b)fluoranthene	0.716	ND	ND	ND	65.6	67.2	20	19.0-122			3.01	31
Benzo(k)fluoranthene	0.716	ND	ND	ND	63.6	64.6	20	23.0-120			2.16	30
Benzo(g,h,i)perylene	0.716	ND	ND	ND	44.3	44.3	20	10.0-120			0.694	33
Benzo(a)pyrene	0.716	ND	ND	ND	65.3	68.1	20	24.0-120			4.84	30
Bis(2-chlorethoxy)methane	0.716	ND	ND	ND	63.4	65.8	20	10.0-120			4.29	34
Bis(2-chloroethyl)ether	0.716	ND	ND	ND	68.4	71.0	20	10.0-120			4.42	40
2,2-Oxybis(1-Chloropropane)	0.716	ND	ND	ND	65.4	72.7	20	10.0-120			11.1	40
4-Bromophenyl-phenylether	0.716	ND	ND	ND	63.4	65.2	20	27.0-120			3.35	30
2-Chloronaphthalene	0.716	ND	ND	ND	60.8	62.3	20	20.0-120			3.00	32
4-Chlorophenyl-phenylether	0.716	ND	ND	ND	64.8	71.6	20	24.0-120			10.6	29
Chrysene	0.716	ND	ND	ND	64.4	67.5	20	21.0-120			5.37	29
Dibenz(a,h)anthracene	0.716	ND	ND	ND	49.8	53.8	20	10.0-120			8.31	32
3,3-Dichlorobenzidine	1.44	ND	ND	ND	56.2	56.5	20	10.0-120			0.410	34
2,4-Dinitrotoluene	0.716	ND	ND	ND	54.3	56.4	20	30.0-120			4.44	31
2,6-Dinitrotoluene	0.716	ND	ND	ND	63.0	60.0	20	25.0-120			4.26	31

L1771253-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771253-05 09/05/24 20:04 • (MS) R4116475-5 09/05/24 20:24 • (MSD) R4116475-6 09/05/24 20:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoranthene	0.716	ND	ND	ND	68.7	68.1	20	18.0-126			0.225	32
Fluorene	0.716	ND	ND	ND	62.3	66.7	20	25.0-120			7.39	30
Hexachlorobenzene	0.716	ND	ND	ND	56.9	60.1	20	27.0-120			6.04	28
Hexachloro-1,3-butadiene	0.716	ND	ND	ND	62.5	66.0	20	10.0-120			5.99	38
Hexachlorocyclopentadiene	0.716	ND	ND	ND	0.000	0.000	20	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.716	ND	ND	ND	47.7	54.9	20	10.0-120			14.7	40
Indeno(1,2,3-cd)pyrene	0.716	ND	ND	ND	48.8	49.4	20	10.0-120			1.88	32
Isophorone	0.716	ND	ND	ND	61.6	65.3	20	13.0-120			6.55	34
Naphthalene	0.716	ND	ND	ND	64.5	67.2	20	10.0-120			4.67	35
Nitrobenzene	0.716	ND	ND	ND	63.4	67.8	20	10.0-120			7.27	36
n-Nitrosodimethylamine	0.648	ND	ND	ND	0.000	0.000	20	10.0-127	J6	J6	0.000	40
n-Nitrosodiphenylamine	0.716	ND	ND	ND	0.000	0.000	20	17.0-120	J6	J6	0.000	29
n-Nitrosodi-n-propylamine	0.716	ND	ND	ND	67.4	75.9	20	10.0-120			12.4	37
Phenanthrene	0.716	ND	ND	ND	65.4	65.5	20	17.0-120			0.705	31
Benzylbutyl phthalate	0.716	ND	ND	ND	65.9	66.1	20	23.0-120			0.932	30
Bis(2-ethylhexyl)phthalate	0.648	ND	ND	ND	0.000	0.000	20	17.0-126	J6	J6	0.000	30
Di-n-butyl phthalate	0.716	ND	ND	ND	62.3	63.3	20	30.0-120			2.20	29
Diethyl phthalate	0.716	ND	ND	ND	64.7	68.1	20	26.0-120			5.79	28
Dimethyl phthalate	0.716	ND	ND	ND	0.000	0.000	20	25.0-120			0.000	29
Di-n-octyl phthalate	0.716	ND	ND	ND	0.000	0.000	20	21.0-123	J6	J6	0.000	29
Pyrene	0.716	ND	ND	ND	66.0	66.6	20	16.0-121			1.39	32
1,2,4-Trichlorobenzene	0.716	ND	ND	ND	64.8	68.1	20	12.0-120			5.56	37
4-Chloro-3-methylphenol	0.716	ND	ND	ND	55.7	65.8	20	15.0-120			17.2	30
2-Chlorophenol	0.716	ND	ND	ND	71.5	70.7	20	15.0-120			0.433	37
2,4-Dichlorophenol	0.716	ND	ND	ND	60.0	63.8	20	20.0-120			6.71	31
2,4-Dimethylphenol	0.716	ND	ND	ND	63.1	68.7	20	10.0-120			9.10	33
4,6-Dinitro-2-methylphenol	0.716	ND	ND	ND	0.000	0.000	20	10.0-120	J6	J6	0.000	39
2,4-Dinitrophenol	0.648	ND	ND	ND	0.000	0.000	20	10.0-121	J6	J6	0.000	40
2-Methylphenol	0.716	ND	ND	ND	67.3	72.1	20	11.0-120			7.51	40
3&4-Methyl Phenol	0.716	ND	ND	ND	75.6	77.3	20	12.0-123			2.82	38
2-Nitrophenol	0.716	ND	ND	ND	57.4	60.3	20	12.0-120			5.49	39
4-Nitrophenol	0.716	ND	ND	ND	56.6	56.6	20	10.0-137			0.543	32
Pentachlorophenol	0.716	ND	ND	ND	45.5	36.3	20	10.0-160			21.8	31
Pyridine	0.716	ND	ND	ND	50.0	55.1	20	10.0-120	J6	J6	10.2	40
2,4,5-Trichlorophenol	0.716	ND	ND	ND	57.6	62.9	20	20.0-120			9.45	30
2,4,6-Trichlorophenol	0.716	ND	ND	ND	52.9	59.7	20	19.0-120			12.6	32
Phenol	0.716	ND	ND	ND	67.1	73.5	20	12.0-120			9.63	38
(S) 2-Fluorophenol					*75.0*	*73.3*		*12.0-120*	J7	J7		
(S) Phenol-d5					*68.2*	*67.2*		*10.0-120*	J7	J7		

L1771253-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771253-05 09/05/24 20:04 • (MS) R4116475-5 09/05/24 20:24 • (MSD) R4116475-6 09/05/24 20:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Nitrobenzene-d5					*62.3*	*71.5*		*10.0-122*	J7	J7		
(S) 2-Fluorobiphenyl					*57.7*	*62.9*		*15.0-120*	J7	J7		
(S) 2,4,6-Tribromophenol					*53.9*	*61.7*		*10.0-127*	J7	J7		
(S) p-Terphenyl-d14					*59.9*	*58.6*		*10.0-120*	J7	J7		

Sample Narrative:

OS: Dilution due to matrix.

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Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

DRAFT

TRC - BNSF Region 4
6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
6 Executive Circle, Suite 200
Irvine, CA 92614

Report to: Jose Maldonado

Email To: JMaldonado@TRCcompanies.com
PKee@TRCcompanies.com

Project Description: Lone Oak Barstow LLC

City/State Collected: Barstow / CA

Please Circle: (PT) MT CT ET

Phone: 661-520-8414

Client Project # 596818

Lab Project # BNSF4TRC-Barstow Lonk

Collected by (print): Paul Kee

Site/Facility ID # Lone Oak

P.O. # 220608

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
✓ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed: see remarks

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 8oz Clr - No Pres	MGOH CAM17 8oz Clr - No Pres	SV8270 8oz Clr - No Pres	V8260 40ml Amb / MeOH 10+1/Syr	Remarks	Sample # (lab only)
SB-3-10	Grab	soil	10	8/22/24	1320	3	✓	✓	✓	✓		-01
SB-3-15			15		1335						Hold	-02
SB-3-20			20		1355						Hold	-03
SB-3-23			23		1525		✓	✓	✓	✓		-04
SB-5-10	Grab	soil	10	8/23/24	740	3	✓	✓	✓	✓		-05
SB-5-15			15		750						Hold	-06
SB-5-20			20		800		✓	✓	✓	✓		-07
SB-6-10			10		1155		✓	✓	✓	✓		-08
SB-6-15			15		1205						Hold	-09
SB-6-20			20		1215		✓	✓	✓	✓	~~Hold~~ PK	-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: see next page

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 6357 9421 7901

Sample Receipt Checklist
COC Seal Present/Intact: NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓ __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR	
	8/23/24	1620		TLA9	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.5+.3=4.7 °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/24/24 Time: 0900	Hold: Condition: NCF / (OK)

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1771283

1027

Acctnum:
Template:
Prelogin:
PM:
PB:
Shipped Via:

TRC - BNSF Region 4
6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
6 Executive Circle, Suite 200
Irvine, CA 92614

Report to: Jose Maldonado

Email To: JMaldonado@TRCcompanies.com
PKee@TRCcompanies.com

Project Description: Lone Oak LLC

City/State Collected: Barstow / CA

Please Circle: PT MT CT ET

Phone: 661-520-8414

Client Project # 596818

Lab Project # BNSF4 TRC-Barstow/Oak

Collected by (print): Paul Kee

Site/Facility ID # Lone Oak

P.O. # 220608

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
✓ Three Day

Quote #

Date Results Needed

Immediately Packed on Ice N ___ Y ✓

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE
MT JULIET, TN
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L771230

Table #

Acctnum:

Template:

Prelogin:

PM:

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DRO/ORO 8oz Cl-NoPres	MEOH CAM17 8oz Cl-NoPres	SV8270 8oz Cl-NoPres	VOA 40ml Amb/MeOH 10ml/Syr	8270 40ml Amb NoPres	DRO/ORO LVI 40ml Amb-HCl-BT	M6020 DLAM17-(FF) 250ml HDPE-NoPres	VOA 40ml Amb-HCl	Remarks	Sample # (lab only)
SB-6-23	grab	Soil	23	8/23/24	1230	3	X PK	X PK	X PK	X PK					Hold	-11
SC-Waste-08-23-24	grab	Soil	-	8/23/24	1410	4	✓	✓	✓	✓					Standard TAT	-12
SB-6-6W-23	grab	GW	~~1440~~ PK	8/23/24	1440	8					✓	✓	✓	✓		-13

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: SC-Waste-8-23-24 Standard TAT
Title 22 metals to be filtered by the lab as soon as received

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ~~NP~~ __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	8/23/24	1620			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/24/24 Time: 0900	Hold: Condition: NCF / ~~OK~~

ANALYTICAL REPORT

September 04, 2024

TRC - BNSF Region 4

Sample Delivery Group:	L1771344
Samples Received:	08/24/2024
Project Number:	596818.0000.0000
Description:	Lone Oak Barstow LLC

Report To: Jose Maldonado
6 Executive Circle, Suite 200
Irvine, CA 92614

Entire Report Reviewed By:

Andi R Jones
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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DRAFT

SB-3-GW-23' L1771344-01 GW

			Collected by	Collected date/time	Received date/time	
			Eladio	08/23/24 09:30	08/24/24 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2349978	1	08/26/24 13:28	08/29/24 09:59	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2353711	1	08/30/24 13:06	08/31/24 12:09	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2355941	1	09/04/24 13:49	09/04/24 13:49	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2353065	1	08/29/24 18:41	08/29/24 18:41	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2355356	25	09/03/24 16:27	09/03/24 16:27	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2350936	1	08/27/24 09:44	08/27/24 20:18	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2353352	1	08/30/24 13:56	08/31/24 20:18	ALM	Mt. Juliet, TN

DRAFT

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Andi R Jones
Project Manager

Sample Delivery Group (SDG) Narrative

Analysis was filtered in the laboratory.

Lab Sample ID	Project Sample ID	Method
L1771344-01	SB-3-GW-23'	6020, 7470A
R4114317-3		6020
R4114317-4		6020

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1771344-01	SB-3-GW-23'	8260B, 3511/8015

DRAFT

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	ND		0.000200	1	08/29/2024 09:59	WG2349978

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Antimony,Dissolved	ND		0.00400	1	08/31/2024 12:09	WG2353711
Arsenic,Dissolved	0.612		0.00200	1	08/31/2024 12:09	WG2353711
Barium,Dissolved	0.121		0.00200	1	08/31/2024 12:09	WG2353711
Beryllium,Dissolved	ND		0.00200	1	08/31/2024 12:09	WG2353711
Cadmium,Dissolved	ND		0.00100	1	08/31/2024 12:09	WG2353711
Chromium,Dissolved	ND		0.00200	1	08/31/2024 12:09	WG2353711
Copper,Dissolved	0.0116		0.00500	1	08/31/2024 12:09	WG2353711
Cobalt,Dissolved	0.00643		0.00200	1	08/31/2024 12:09	WG2353711
Lead,Dissolved	ND		0.00200	1	08/31/2024 12:09	WG2353711
Molybdenum,Dissolved	0.195		0.00500	1	08/31/2024 12:09	WG2353711
Nickel,Dissolved	0.0384		0.00200	1	08/31/2024 12:09	WG2353711
Selenium,Dissolved	0.0451		0.00200	1	08/31/2024 12:09	WG2353711
Silver,Dissolved	ND		0.00200	1	08/31/2024 12:09	WG2353711
Thallium,Dissolved	ND		0.00200	1	08/31/2024 12:09	WG2353711
Vanadium,Dissolved	0.0162		0.00500	1	08/31/2024 12:09	WG2353711
Zinc,Dissolved	ND		0.0250	1	08/31/2024 12:09	WG2353711

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPHG C5 - C12	8.11		0.100	1	09/04/2024 13:49	WG2355941
(S) a,a,a-Trifluorotoluene(FID)	*97.3*		*78.0-120*		*09/04/2024 13:49*	WG2355941

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND	J3	0.0500	1	08/29/2024 18:41	WG2353065
Acrolein	ND		0.0500	1	08/29/2024 18:41	WG2353065
Acrylonitrile	ND		0.0100	1	08/29/2024 18:41	WG2353065
Benzene	0.00630		0.00100	1	08/29/2024 18:41	WG2353065
Bromobenzene	ND		0.00100	1	08/29/2024 18:41	WG2353065
Bromodichloromethane	ND		0.00100	1	08/29/2024 18:41	WG2353065
Bromoform	ND		0.00100	1	08/29/2024 18:41	WG2353065
Bromomethane	ND		0.00500	1	08/29/2024 18:41	WG2353065
n-Butylbenzene	0.0165		0.00100	1	08/29/2024 18:41	WG2353065
sec-Butylbenzene	0.0133		0.00100	1	08/29/2024 18:41	WG2353065
tert-Butylbenzene	ND		0.00100	1	08/29/2024 18:41	WG2353065
Carbon tetrachloride	ND		0.00100	1	08/29/2024 18:41	WG2353065
Chlorobenzene	ND		0.00100	1	08/29/2024 18:41	WG2353065
Chlorodibromomethane	ND	J4	0.00100	1	08/29/2024 18:41	WG2353065
Chloroethane	ND		0.00500	1	08/29/2024 18:41	WG2353065
Chloroform	ND		0.00500	1	08/29/2024 18:41	WG2353065
Chloromethane	ND		0.00250	1	08/29/2024 18:41	WG2353065
2-Chlorotoluene	ND		0.00100	1	08/29/2024 18:41	WG2353065
4-Chlorotoluene	ND		0.00100	1	08/29/2024 18:41	WG2353065
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	08/29/2024 18:41	WG2353065
1,2-Dibromoethane	ND	J4	0.00100	1	08/29/2024 18:41	WG2353065
Dibromomethane	ND		0.00100	1	08/29/2024 18:41	WG2353065
1,2-Dichlorobenzene	ND		0.00100	1	08/29/2024 18:41	WG2353065

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	ND		0.00100	1	08/29/2024 18:41	WG2353065
1,4-Dichlorobenzene	ND		0.00100	1	08/29/2024 18:41	WG2353065
Dichlorodifluoromethane	ND		0.00500	1	08/29/2024 18:41	WG2353065
1,1-Dichloroethane	ND		0.00100	1	08/29/2024 18:41	WG2353065
1,2-Dichloroethane	ND		0.00100	1	08/29/2024 18:41	WG2353065
1,1-Dichloroethene	ND		0.00100	1	08/29/2024 18:41	WG2353065
cis-1,2-Dichloroethene	ND		0.00100	1	08/29/2024 18:41	WG2353065
trans-1,2-Dichloroethene	ND		0.00100	1	08/29/2024 18:41	WG2353065
1,2-Dichloropropane	ND		0.00100	1	08/29/2024 18:41	WG2353065
1,1-Dichloropropene	ND		0.00100	1	08/29/2024 18:41	WG2353065
1,3-Dichloropropane	ND		0.00100	1	08/29/2024 18:41	WG2353065
cis-1,3-Dichloropropene	ND		0.00100	1	08/29/2024 18:41	WG2353065
trans-1,3-Dichloropropene	ND		0.00100	1	08/29/2024 18:41	WG2353065
2,2-Dichloropropane	ND		0.00100	1	08/29/2024 18:41	WG2353065
Di-isopropyl ether	ND		0.00100	1	08/29/2024 18:41	WG2353065
Ethylbenzene	0.909		0.0250	25	09/03/2024 16:27	WG2355356
Hexachloro-1,3-butadiene	ND		0.00100	1	08/29/2024 18:41	WG2353065
Isopropylbenzene	0.0547		0.00100	1	08/29/2024 18:41	WG2353065
p-Isopropyltoluene	0.00394		0.00100	1	08/29/2024 18:41	WG2353065
2-Butanone (MEK)	ND		0.0100	1	08/29/2024 18:41	WG2353065
Methylene Chloride	ND		0.00500	1	08/29/2024 18:41	WG2353065
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	08/29/2024 18:41	WG2353065
Methyl tert-butyl ether	ND		0.00100	1	08/29/2024 18:41	WG2353065
Naphthalene	0.0741		0.00500	1	08/29/2024 18:41	WG2353065
n-Propylbenzene	0.161		0.00100	1	08/29/2024 18:41	WG2353065
Styrene	ND		0.00100	1	08/29/2024 18:41	WG2353065
1,1,1,2-Tetrachloroethane	ND	J4	0.00100	1	08/29/2024 18:41	WG2353065
1,1,2,2-Tetrachloroethane	ND		0.00100	1	08/29/2024 18:41	WG2353065
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	08/29/2024 18:41	WG2353065
Tetrachloroethene	ND		0.00100	1	08/29/2024 18:41	WG2353065
Toluene	0.0592		0.00100	1	08/29/2024 18:41	WG2353065
1,2,3-Trichlorobenzene	ND		0.00100	1	08/29/2024 18:41	WG2353065
1,2,4-Trichlorobenzene	ND		0.00100	1	08/29/2024 18:41	WG2353065
1,1,1-Trichloroethane	ND		0.00100	1	08/29/2024 18:41	WG2353065
1,1,2-Trichloroethane	ND		0.00100	1	08/29/2024 18:41	WG2353065
Trichloroethene	ND		0.00100	1	08/29/2024 18:41	WG2353065
Trichlorofluoromethane	ND		0.00500	1	08/29/2024 18:41	WG2353065
1,2,3-Trichloropropane	ND		0.00250	1	08/29/2024 18:41	WG2353065
1,2,4-Trimethylbenzene	0.640		0.0250	25	09/03/2024 16:27	WG2355356
1,2,3-Trimethylbenzene	0.128		0.00100	1	08/29/2024 18:41	WG2353065
1,3,5-Trimethylbenzene	0.144		0.00100	1	08/29/2024 18:41	WG2353065
Vinyl chloride	ND		0.00100	1	08/29/2024 18:41	WG2353065
Xylenes, Total	1.16		0.0750	25	09/03/2024 16:27	WG2355356
(S) Toluene-d8	*104*		*80.0-120*		*08/29/2024 18:41*	WG2353065
(S) Toluene-d8	*96.6*		*80.0-120*		*09/03/2024 16:27*	WG2355356
(S) 4-Bromofluorobenzene	*108*		*77.0-126*		*08/29/2024 18:41*	WG2353065
(S) 4-Bromofluorobenzene	*94.5*		*77.0-126*		*09/03/2024 16:27*	WG2355356
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*08/29/2024 18:41*	WG2353065
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*09/03/2024 16:27*	WG2355356

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.16		0.100	1	08/27/2024 20:18	WG2350936
C22-C32 Hydrocarbons	0.177		0.100	1	08/27/2024 20:18	WG2350936
C32-C40 Hydrocarbons	ND		0.100	1	08/27/2024 20:18	WG2350936

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
(S) o-Terphenyl	*62.6*		*52.0-156*		*08/27/2024 20:18*	WG2350936

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Acenaphthylene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Anthracene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Benzidine	ND	J3	0.0100	1	08/31/2024 20:18	WG2353352
Benzo(a)anthracene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Benzo(b)fluoranthene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Benzo(k)fluoranthene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Benzo(g,h,i)perylene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Benzo(a)pyrene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Bis(2-chlorethoxy)methane	ND		0.0100	1	08/31/2024 20:18	WG2353352
Bis(2-chloroethyl)ether	ND		0.0100	1	08/31/2024 20:18	WG2353352
2,2-Oxybis(1-Chloropropane)	ND		0.0100	1	08/31/2024 20:18	WG2353352
4-Bromophenyl-phenylether	ND		0.0100	1	08/31/2024 20:18	WG2353352
2-Chloronaphthalene	ND		0.00100	1	08/31/2024 20:18	WG2353352
4-Chlorophenyl-phenylether	ND		0.0100	1	08/31/2024 20:18	WG2353352
Chrysene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Dibenz(a,h)anthracene	ND		0.00100	1	08/31/2024 20:18	WG2353352
3,3-Dichlorobenzidine	ND		0.0100	1	08/31/2024 20:18	WG2353352
2,4-Dinitrotoluene	ND		0.0100	1	08/31/2024 20:18	WG2353352
2,6-Dinitrotoluene	ND		0.0100	1	08/31/2024 20:18	WG2353352
Fluoranthene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Fluorene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Hexachlorobenzene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Hexachloro-1,3-butadiene	ND		0.0100	1	08/31/2024 20:18	WG2353352
Hexachlorocyclopentadiene	ND		0.0100	1	08/31/2024 20:18	WG2353352
Hexachloroethane	ND		0.0100	1	08/31/2024 20:18	WG2353352
Indeno(1,2,3-cd)pyrene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Isophorone	ND		0.0100	1	08/31/2024 20:18	WG2353352
Naphthalene	0.0467		0.00100	1	08/31/2024 20:18	WG2353352
Nitrobenzene	ND		0.0100	1	08/31/2024 20:18	WG2353352
n-Nitrosodimethylamine	ND		0.0100	1	08/31/2024 20:18	WG2353352
n-Nitrosodiphenylamine	ND		0.0100	1	08/31/2024 20:18	WG2353352
n-Nitrosodi-n-propylamine	ND		0.0100	1	08/31/2024 20:18	WG2353352
Phenanthrene	ND		0.00100	1	08/31/2024 20:18	WG2353352
Benzylbutyl phthalate	ND		0.00300	1	08/31/2024 20:18	WG2353352
Bis(2-ethylhexyl)phthalate	ND		0.00300	1	08/31/2024 20:18	WG2353352
Di-n-butyl phthalate	ND		0.00300	1	08/31/2024 20:18	WG2353352
Diethyl phthalate	ND		0.00300	1	08/31/2024 20:18	WG2353352
Dimethyl phthalate	ND		0.00300	1	08/31/2024 20:18	WG2353352
Di-n-octyl phthalate	ND		0.00300	1	08/31/2024 20:18	WG2353352
Pyrene	ND		0.00100	1	08/31/2024 20:18	WG2353352
1,2,4-Trichlorobenzene	ND		0.0100	1	08/31/2024 20:18	WG2353352
4-Chloro-3-methylphenol	ND		0.0100	1	08/31/2024 20:18	WG2353352
2-Chlorophenol	ND		0.0100	1	08/31/2024 20:18	WG2353352
2,4-Dichlorophenol	ND		0.0100	1	08/31/2024 20:18	WG2353352
2,4-Dimethylphenol	ND		0.0100	1	08/31/2024 20:18	WG2353352
4,6-Dinitro-2-methylphenol	ND		0.0100	1	08/31/2024 20:18	WG2353352
2,4-Dinitrophenol	ND		0.0100	1	08/31/2024 20:18	WG2353352
2-Nitrophenol	ND		0.0100	1	08/31/2024 20:18	WG2353352
4-Nitrophenol	ND		0.0100	1	08/31/2024 20:18	WG2353352
Pentachlorophenol	ND		0.0100	1	08/31/2024 20:18	WG2353352

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Phenol	ND		0.0100	1	08/31/2024 20:18	WG2353352
2,4,6-Trichlorophenol	ND		0.0100	1	08/31/2024 20:18	WG2353352
(S) 2-Fluorophenol	*27.1*		*10.0-120*		*08/31/2024 20:18*	WG2353352
(S) Phenol-d5	*22.6*		*10.0-120*		*08/31/2024 20:18*	WG2353352
(S) Nitrobenzene-d5	*59.0*		*10.0-127*		*08/31/2024 20:18*	WG2353352
(S) 2-Fluorobiphenyl	*63.2*		*10.0-130*		*08/31/2024 20:18*	WG2353352
(S) 2,4,6-Tribromophenol	*79.7*		*10.0-155*		*08/31/2024 20:18*	WG2353352
(S) p-Terphenyl-d14	*75.5*		*10.0-128*		*08/31/2024 20:18*	WG2353352

DRAFT

Method Blank (MB)

(MB) R4113277-1 08/29/24 09:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4113277-2 08/29/24 09:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00298	99.3	80.0-120	

L1770638-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770638-01 08/29/24 09:12 • (MS) R4113277-4 08/29/24 09:17 • (MSD) R4113277-5 08/29/24 09:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	ND	0.00307	0.00300	102	100	1	75.0-125			2.12	20

DRAFT

QUALITY CONTROL SUMMARY

L1771344-01

Method Blank (MB)

(MB) R4114317-1 08/31/24 12:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony,Dissolved	U		0.00103	0.00400
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Beryllium,Dissolved	U		0.000190	0.00200
Cadmium,Dissolved	U		0.000150	0.00100
Chromium,Dissolved	U		0.00124	0.00200
Copper,Dissolved	U		0.00151	0.00500
Cobalt,Dissolved	U		0.0000596	0.00200
Lead,Dissolved	U		0.000849	0.00200
Molybdenum,Dissolved	U		0.000348	0.00500
Nickel,Dissolved	U		0.000816	0.00200
Selenium,Dissolved	U		0.000300	0.00200
Silver,Dissolved	0.0000727	J	0.0000700	0.00200
Thallium,Dissolved	U		0.000121	0.00200
Vanadium,Dissolved	U		0.000664	0.00500
Zinc,Dissolved	U		0.00302	0.0250

Laboratory Control Sample (LCS)

(LCS) R4114317-2 08/31/24 12:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	0.0500	0.0525	105	80.0-120	
Arsenic,Dissolved	0.0500	0.0479	95.9	80.0-120	
Barium,Dissolved	0.0500	0.0451	90.2	80.0-120	
Beryllium,Dissolved	0.0500	0.0442	88.4	80.0-120	
Cadmium,Dissolved	0.0500	0.0505	101	80.0-120	
Chromium,Dissolved	0.0500	0.0487	97.4	80.0-120	
Copper,Dissolved	0.0500	0.0492	98.4	80.0-120	
Cobalt,Dissolved	0.0500	0.0495	99.0	80.0-120	
Lead,Dissolved	0.0500	0.0474	94.9	80.0-120	
Molybdenum,Dissolved	0.0500	0.0482	96.4	80.0-120	
Nickel,Dissolved	0.0500	0.0493	98.7	80.0-120	
Selenium,Dissolved	0.0500	0.0464	92.9	80.0-120	
Silver,Dissolved	0.0500	0.0473	94.5	80.0-120	
Thallium,Dissolved	0.0500	0.0480	96.0	80.0-120	
Vanadium,Dissolved	0.0500	0.0487	97.5	80.0-120	
Zinc,Dissolved	0.0500	0.0475	95.1	80.0-120	

L1771344-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771344-01 08/31/24 12:09 • (MS) R4114317-5 08/31/24 12:19 • (MSD) R4114317-6 08/31/24 12:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	0.0500	ND	0.0545	0.0546	109	109	1	75.0-125			0.225	20
Arsenic,Dissolved	0.0500	0.612	0.656	0.660	88.2	96.2	1	75.0-125			0.610	20
Barium,Dissolved	0.0500	0.121	0.165	0.167	89.7	92.0	1	75.0-125			0.693	20
Beryllium,Dissolved	0.0500	ND	0.0437	0.0444	87.4	88.9	1	75.0-125			1.72	20
Cadmium,Dissolved	0.0500	ND	0.0510	0.0526	102	105	1	75.0-125			2.94	20
Chromium,Dissolved	0.0500	ND	0.0490	0.0490	94.7	94.7	1	75.0-125			0.0146	20
Copper,Dissolved	0.0500	0.0116	0.0594	0.0602	95.6	97.2	1	75.0-125			1.39	20
Cobalt,Dissolved	0.0500	0.00643	0.0547	0.0550	96.4	97.2	1	75.0-125			0.718	20
Lead,Dissolved	0.0500	ND	0.0477	0.0482	95.5	96.3	1	75.0-125			0.880	20
Molybdenum,Dissolved	0.0500	0.195	0.250	0.242	109	93.7	1	75.0-125			3.21	20
Nickel,Dissolved	0.0500	0.0384	0.0859	0.0858	95.0	94.7	1	75.0-125			0.166	20
Selenium,Dissolved	0.0500	0.0451	0.0953	0.0954	100	101	1	75.0-125			0.154	20
Silver,Dissolved	0.0500	ND	0.0469	0.0475	93.8	95.1	1	75.0-125			1.39	20
Thallium,Dissolved	0.0500	ND	0.0473	0.0480	94.7	96.0	1	75.0-125			1.42	20
Vanadium,Dissolved	0.0500	0.0162	0.0655	0.0669	98.6	101	1	75.0-125			2.16	20
Zinc,Dissolved	0.0500	ND	0.0499	0.0499	69.3	69.2	1	75.0-125	J6	J6	0.0354	20

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Method Blank (MB)

(MB) R4115452-3 09/04/24 12:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPHG C5 - C12	U		0.0304	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115452-1 09/04/24 11:00 • (LCSD) R4115452-2 09/04/24 11:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	5.04	4.98	101	99.6	71.0-127			1.20	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*103*	*78.0-120*				

DRAFT

Method Blank (MB)

(MB) R4114877-3 08/29/24 16:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	0.000167	J	0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100
Isopropylbenzene	U		0.000105	0.00100

Method Blank (MB)

(MB) R4114877-3 08/29/24 16:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*109*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4114877-1 08/29/24 14:22 • (LCSD) R4114877-2 08/29/24 14:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0229	0.0171	91.6	68.4	19.0-160		J3	29.0	27
Acrolein	0.0250	0.0216	0.0177	86.4	70.8	10.0-160			19.8	26
Acrylonitrile	0.0250	0.0222	0.0203	88.8	81.2	55.0-149			8.94	20
Benzene	0.00500	0.00465	0.00420	93.0	84.0	70.0-123			10.2	20
Bromobenzene	0.00500	0.00512	0.00469	102	93.8	73.0-121			8.77	20
Bromodichloromethane	0.00500	0.00465	0.00417	93.0	83.4	75.0-120			10.9	20
Bromoform	0.00500	0.00357	0.00342	71.4	68.4	68.0-132			4.29	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4114877-1 08/29/24 14:22 • (LCSD) R4114877-2 08/29/24 14:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.00500	0.00547	0.00500	109	100	10.0-160			8.98	25
n-Butylbenzene	0.00500	0.00509	0.00472	102	94.4	73.0-125			7.54	20
sec-Butylbenzene	0.00500	0.00505	0.00476	101	95.2	75.0-125			5.91	20
tert-Butylbenzene	0.00500	0.00513	0.00461	103	92.2	76.0-124			10.7	20
Carbon tetrachloride	0.00500	0.00395	0.00384	79.0	76.8	68.0-126			2.82	20
Chlorobenzene	0.00500	0.00446	0.00424	89.2	84.8	80.0-121			5.06	20
Chlorodibromomethane	0.00500	0.00403	0.00373	80.6	74.6	77.0-125		J4	7.73	20
Chloroethane	0.00500	0.00488	0.00480	97.6	96.0	47.0-150			1.65	20
Chloroform	0.00500	0.00492	0.00430	98.4	86.0	73.0-120			13.4	20
Chloromethane	0.00500	0.00402	0.00366	80.4	73.2	41.0-142			9.37	20
2-Chlorotoluene	0.00500	0.00494	0.00460	98.8	92.0	76.0-123			7.13	20
4-Chlorotoluene	0.00500	0.00468	0.00457	93.6	91.4	75.0-122			2.38	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00412	0.00387	82.4	77.4	58.0-134			6.26	20
1,2-Dibromoethane	0.00500	0.00408	0.00395	81.6	79.0	80.0-122		J4	3.24	20
Dibromomethane	0.00500	0.00472	0.00454	94.4	90.8	80.0-120			3.89	20
1,2-Dichlorobenzene	0.00500	0.00442	0.00420	88.4	84.0	79.0-121			5.10	20
1,3-Dichlorobenzene	0.00500	0.00472	0.00425	94.4	85.0	79.0-120			10.5	20
1,4-Dichlorobenzene	0.00500	0.00447	0.00431	89.4	86.2	79.0-120			3.64	20
Dichlorodifluoromethane	0.00500	0.00434	0.00428	86.8	85.6	51.0-149			1.39	20
1,1-Dichloroethane	0.00500	0.00475	0.00436	95.0	87.2	70.0-126			8.56	20
1,2-Dichloroethane	0.00500	0.00500	0.00470	100	94.0	70.0-128			6.19	20
1,1-Dichloroethene	0.00500	0.00463	0.00421	92.6	84.2	71.0-124			9.50	20
cis-1,2-Dichloroethene	0.00500	0.00475	0.00401	95.0	80.2	73.0-120			16.9	20
trans-1,2-Dichloroethene	0.00500	0.00455	0.00430	91.0	86.0	73.0-120			5.65	20
1,2-Dichloropropane	0.00500	0.00460	0.00432	92.0	86.4	77.0-125			6.28	20
1,1-Dichloropropene	0.00500	0.00504	0.00459	101	91.8	74.0-126			9.35	20
1,3-Dichloropropane	0.00500	0.00452	0.00430	90.4	86.0	80.0-120			4.99	20
cis-1,3-Dichloropropene	0.00500	0.00470	0.00413	94.0	82.6	80.0-123			12.9	20
trans-1,3-Dichloropropene	0.00500	0.00431	0.00418	86.2	83.6	78.0-124			3.06	20
2,2-Dichloropropane	0.00500	0.00533	0.00487	107	97.4	58.0-130			9.02	20
Di-isopropyl ether	0.00500	0.00445	0.00406	89.0	81.2	58.0-138			9.17	20
Hexachloro-1,3-butadiene	0.00500	0.00400	0.00410	80.0	82.0	54.0-138			2.47	20
Isopropylbenzene	0.00500	0.00446	0.00417	89.2	83.4	76.0-127			6.72	20
p-Isopropyltoluene	0.00500	0.00505	0.00456	101	91.2	76.0-125			10.2	20
2-Butanone (MEK)	0.0250	0.0204	0.0185	81.6	74.0	44.0-160			9.77	20
Methylene Chloride	0.00500	0.00499	0.00470	99.8	94.0	67.0-120			5.99	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0221	0.0213	88.4	85.2	68.0-142			3.69	20
Methyl tert-butyl ether	0.00500	0.00473	0.00451	94.6	90.2	68.0-125			4.76	20
Naphthalene	0.00500	0.00352	0.00340	70.4	68.0	54.0-135			3.47	20
n-Propylbenzene	0.00500	0.00515	0.00470	103	94.0	77.0-124			9.14	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4114877-1 08/29/24 14:22 • (LCSD) R4114877-2 08/29/24 14:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Styrene	0.00500	0.00437	0.00417	87.4	83.4	73.0-130			4.68	20
1,1,1,2-Tetrachloroethane	0.00500	0.00384	0.00365	76.8	73.0	75.0-125		J4	5.07	20
1,1,2,2-Tetrachloroethane	0.00500	0.00479	0.00470	95.8	94.0	65.0-130			1.90	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00496	0.00472	99.2	94.4	69.0-132			4.96	20
Tetrachloroethene	0.00500	0.00449	0.00429	89.8	85.8	72.0-132			4.56	20
Toluene	0.00500	0.00446	0.00413	89.2	82.6	79.0-120			7.68	20
1,2,3-Trichlorobenzene	0.00500	0.00337	0.00341	67.4	68.2	50.0-138			1.18	20
1,2,4-Trichlorobenzene	0.00500	0.00346	0.00356	69.2	71.2	57.0-137			2.85	20
1,1,1-Trichloroethane	0.00500	0.00453	0.00456	90.6	91.2	73.0-124			0.660	20
1,1,2-Trichloroethane	0.00500	0.00444	0.00429	88.8	85.8	80.0-120			3.44	20
Trichloroethene	0.00500	0.00442	0.00398	88.4	79.6	78.0-124			10.5	20
Trichlorofluoromethane	0.00500	0.00574	0.00513	115	103	59.0-147			11.2	20
1,2,3-Trichloropropane	0.00500	0.00476	0.00441	95.2	88.2	73.0-130			7.63	20
1,2,3-Trimethylbenzene	0.00500	0.00489	0.00455	97.8	91.0	77.0-120			7.20	20
1,3,5-Trimethylbenzene	0.00500	0.00489	0.00458	97.8	91.6	76.0-122			6.55	20
Vinyl chloride	0.00500	0.00433	0.00430	86.6	86.0	67.0-131			0.695	20
(S) Toluene-d8				*103*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*107*	*108*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*108*	*105*	*70.0-130*				

L1771329-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771329-02 08/29/24 18:16 • (MS) R4114877-4 08/30/24 00:24 • (MSD) R4114877-5 08/30/24 00:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	ND	ND	ND	68.4	80.8	1	10.0-160			16.6	35
Acrolein	0.0250	ND	ND	ND	76.4	88.0	1	10.0-160			14.1	39
Acrylonitrile	0.0250	ND	0.0218	0.0222	87.2	88.8	1	21.0-160			1.82	32
Benzene	0.00500	ND	0.00535	0.00422	103	80.7	1	17.0-158			23.6	27
Bromobenzene	0.00500	ND	0.00454	0.00467	90.8	93.4	1	30.0-149			2.82	28
Bromodichloromethane	0.00500	ND	0.00440	0.00424	88.0	84.8	1	31.0-150			3.70	27
Bromoform	0.00500	ND	0.00362	0.00333	72.4	66.6	1	29.0-150			8.35	29
Bromomethane	0.00500	ND	0.00534	0.00504	107	101	1	10.0-160			5.78	38
n-Butylbenzene	0.00500	ND	0.00467	0.00383	93.4	76.6	1	31.0-150			19.8	30
sec-Butylbenzene	0.00500	ND	0.00460	0.00416	92.0	83.2	1	33.0-155			10.0	29
tert-Butylbenzene	0.00500	ND	0.00477	0.00437	95.4	87.4	1	34.0-153			8.75	28
Carbon tetrachloride	0.00500	ND	0.00431	0.00384	86.2	76.8	1	23.0-159			11.5	28
Chlorobenzene	0.00500	ND	0.00425	0.00387	85.0	77.4	1	33.0-152			9.36	27
Chlorodibromomethane	0.00500	ND	0.00384	0.00381	76.8	76.2	1	37.0-149			0.784	27

L1771329-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771329-02 08/29/24 18:16 • (MS) R4114877-4 08/30/24 00:24 • (MSD) R4114877-5 08/30/24 00:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloroethane	0.00500	ND	ND	ND	87.2	80.4	1	10.0-160			8.11	30
Chloroform	0.00500	ND	ND	ND	90.2	86.6	1	29.0-154			4.07	28
Chloromethane	0.00500	ND	0.00331	0.00319	66.2	63.8	1	10.0-160			3.69	29
2-Chlorotoluene	0.00500	ND	0.00474	0.00427	94.8	85.4	1	32.0-153			10.4	28
4-Chlorotoluene	0.00500	ND	0.00447	0.00401	89.4	80.2	1	32.0-150			10.8	28
1,2-Dibromo-3-Chloropropane	0.00500	ND	ND	ND	79.8	74.0	1	22.0-151			7.54	34
1,2-Dibromoethane	0.00500	ND	0.00390	0.00390	78.0	78.0	1	34.0-147			0.000	27
Dibromomethane	0.00500	ND	0.00467	0.00477	93.4	95.4	1	30.0-151			2.12	27
1,2-Dichlorobenzene	0.00500	ND	0.00452	0.00415	90.4	83.0	1	34.0-149			8.54	28
1,3-Dichlorobenzene	0.00500	ND	0.00444	0.00389	88.8	77.8	1	36.0-146			13.2	27
1,4-Dichlorobenzene	0.00500	ND	0.00435	0.00406	87.0	81.2	1	35.0-142			6.90	27
Dichlorodifluoromethane	0.00500	ND	ND	ND	68.2	61.0	1	10.0-160			11.1	29
1,1-Dichloroethane	0.00500	ND	0.00454	0.00456	90.8	91.2	1	25.0-158			0.440	27
1,2-Dichloroethane	0.00500	ND	0.00478	0.00462	95.6	92.4	1	29.0-151			3.40	27
1,1-Dichloroethene	0.00500	ND	0.00421	0.00357	84.2	71.4	1	11.0-160			16.5	29
cis-1,2-Dichloroethene	0.00500	ND	0.00421	0.00443	84.2	88.6	1	10.0-160			5.09	27
trans-1,2-Dichloroethene	0.00500	ND	0.00427	0.00388	85.4	77.6	1	17.0-153			9.57	27
1,2-Dichloropropane	0.00500	ND	0.00438	0.00445	87.6	89.0	1	30.0-156			1.59	27
1,1-Dichloropropene	0.00500	ND	0.00469	0.00424	93.8	84.8	1	25.0-158			10.1	27
1,3-Dichloropropane	0.00500	ND	0.00447	0.00440	89.4	88.0	1	38.0-147			1.58	27
cis-1,3-Dichloropropene	0.00500	ND	0.00413	0.00394	82.6	78.8	1	34.0-149			4.71	28
trans-1,3-Dichloropropene	0.00500	ND	0.00409	0.00387	81.8	77.4	1	32.0-149			5.53	28
2,2-Dichloropropane	0.00500	ND	0.00465	0.00458	93.0	91.6	1	24.0-152			1.52	29
Di-isopropyl ether	0.00500	ND	0.00432	0.00439	86.4	87.8	1	21.0-160			1.61	28
Hexachloro-1,3-butadiene	0.00500	ND	0.00442	0.00324	88.4	64.8	1	20.0-154			30.8	34
Isopropylbenzene	0.00500	ND	0.00442	0.00391	88.4	78.2	1	28.0-157			12.2	27
p-Isopropyltoluene	0.00500	ND	0.00435	0.00391	87.0	78.2	1	30.0-154			10.7	29
2-Butanone (MEK)	0.0250	ND	0.0199	0.0237	79.6	94.8	1	10.0-160			17.4	32
Methylene Chloride	0.00500	ND	ND	ND	90.8	90.0	1	23.0-144			0.885	28
4-Methyl-2-pentanone (MIBK)	0.0250	ND	0.0220	0.0218	88.0	87.2	1	29.0-160			0.913	29
Methyl tert-butyl ether	0.00500	ND	0.00439	0.00443	87.8	88.6	1	28.0-150			0.907	29
Naphthalene	0.00500	ND	ND	ND	78.6	65.4	1	12.0-156			18.3	35
n-Propylbenzene	0.00500	ND	0.00471	0.00422	94.2	84.4	1	31.0-154			11.0	28
Styrene	0.00500	ND	0.00381	0.00367	76.2	73.4	1	33.0-155			3.74	28
1,1,1,2-Tetrachloroethane	0.00500	ND	0.00362	0.00374	72.4	74.8	1	36.0-151			3.26	29
1,1,2,2-Tetrachloroethane	0.00500	ND	0.00515	0.00490	103	98.0	1	33.0-150			4.98	28
1,1,2-Trichlorotrifluoroethane	0.00500	ND	0.00432	0.00384	86.4	76.8	1	23.0-160			11.8	30
Tetrachloroethene	0.00500	ND	0.00396	0.00320	79.2	64.0	1	10.0-160			21.2	27
Toluene	0.00500	ND	0.00580	0.00410	116	82.0	1	26.0-154		J3	34.3	28
1,2,3-Trichlorobenzene	0.00500	ND	0.00318	0.00301	63.6	60.2	1	17.0-150			5.49	36

L1771329-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771329-02 08/29/24 18:16 • (MS) R4114877-4 08/30/24 00:24 • (MSD) R4114877-5 08/30/24 00:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,4-Trichlorobenzene	0.00500	ND	0.00349	0.00295	69.8	59.0	1	24.0-150			16.8	33
1,1,1-Trichloroethane	0.00500	ND	0.00526	0.00471	105	94.2	1	23.0-160			11.0	28
1,1,2-Trichloroethane	0.00500	ND	0.00440	0.00399	88.0	79.8	1	35.0-147			9.77	27
Trichloroethene	0.00500	ND	0.00389	0.00362	77.8	72.4	1	10.0-160			7.19	25
Trichlorofluoromethane	0.00500	ND	ND	ND	91.6	89.0	1	17.0-160			2.88	31
1,2,3-Trichloropropane	0.00500	ND	0.00441	0.00467	88.2	93.4	1	34.0-151			5.73	29
1,2,3-Trimethylbenzene	0.00500	ND	0.00468	0.00429	93.6	85.8	1	32.0-149			8.70	28
1,3,5-Trimethylbenzene	0.00500	ND	0.00454	0.00410	90.8	82.0	1	28.0-153			10.2	27
Vinyl chloride	0.00500	ND	0.00408	0.00361	81.6	72.2	1	10.0-160			12.2	27
(S) Toluene-d8					*103*	*99.6*		*80.0-120*				
(S) 4-Bromofluorobenzene					*107*	*103*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*104*	*107*		*70.0-130*				

L1771345-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771345-01 08/29/24 22:52 • (MS) R4114877-6 08/30/24 01:13 • (MSD) R4114877-7 08/30/24 01:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	1.25	ND	ND	ND	79.7	77.8	50	10.0-160			2.34	35
Acrolein	1.25	ND	ND	ND	92.0	93.6	50	10.0-160			1.72	39
Acrylonitrile	1.25	ND	1.09	1.17	87.2	93.6	50	21.0-160			7.08	32
Benzene	0.250	ND	0.216	0.237	81.7	90.1	50	17.0-158			9.27	27
Bromobenzene	0.250	ND	0.235	0.258	94.0	103	50	30.0-149			9.33	28
Bromodichloromethane	0.250	ND	0.212	0.232	84.8	92.8	50	31.0-150			9.01	27
Bromoform	0.250	ND	0.173	0.196	69.2	78.4	50	29.0-150			12.5	29
Bromomethane	0.250	ND	ND	ND	98.0	81.2	50	10.0-160			18.8	38
n-Butylbenzene	0.250	ND	0.205	0.270	82.0	108	50	31.0-150			27.4	30
sec-Butylbenzene	0.250	ND	0.221	0.261	88.4	104	50	33.0-155			16.6	29
tert-Butylbenzene	0.250	ND	0.233	0.265	93.2	106	50	34.0-153			12.9	28
Carbon tetrachloride	0.250	ND	0.190	0.267	76.0	107	50	23.0-159		J3	33.7	28
Chlorobenzene	0.250	ND	0.202	0.233	80.8	93.2	50	33.0-152			14.3	27
Chlorodibromomethane	0.250	ND	0.187	0.219	74.8	87.6	50	37.0-149			15.8	27
Chloroethane	0.250	ND	ND	0.263	84.0	105	50	10.0-160			22.4	30
Chloroform	0.250	ND	ND	0.261	89.2	104	50	29.0-154			15.7	28
Chloromethane	0.250	ND	0.153	0.185	61.2	74.0	50	10.0-160			18.9	29
2-Chlorotoluene	0.250	ND	0.217	0.262	86.8	105	50	32.0-153			18.8	28
4-Chlorotoluene	0.250	ND	0.217	0.240	86.8	96.0	50	32.0-150			10.1	28
1,2-Dibromo-3-Chloropropane	0.250	ND	ND	ND	81.6	80.8	50	22.0-151			0.985	34
1,2-Dibromoethane	0.250	ND	0.185	0.215	74.0	86.0	50	34.0-147			15.0	27

L1771345-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771345-01 08/29/24 22:52 • (MS) R4114877-6 08/30/24 01:13 • (MSD) R4114877-7 08/30/24 01:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Dibromomethane	0.250	ND	0.212	0.251	84.8	100	50	30.0-151			16.8	27
1,2-Dichlorobenzene	0.250	ND	0.217	0.251	86.8	100	50	34.0-149			14.5	28
1,3-Dichlorobenzene	0.250	ND	0.206	0.244	82.4	97.6	50	36.0-146			16.9	27
1,4-Dichlorobenzene	0.250	ND	0.211	0.247	84.4	98.8	50	35.0-142			15.7	27
Dichlorodifluoromethane	0.250	ND	ND	ND	64.8	77.6	50	10.0-160			18.0	29
1,1-Dichloroethane	0.250	ND	0.222	0.262	88.8	105	50	25.0-158			16.5	27
1,2-Dichloroethane	0.250	ND	0.241	0.267	96.4	107	50	29.0-151			10.2	27
1,1-Dichloroethene	0.250	ND	0.205	0.222	82.0	88.8	50	11.0-160			7.96	29
cis-1,2-Dichloroethene	0.250	ND	0.207	0.250	82.8	100	50	10.0-160			18.8	27
trans-1,2-Dichloroethene	0.250	ND	0.201	0.233	80.4	93.2	50	17.0-153			14.7	27
1,2-Dichloropropane	0.250	ND	0.213	0.242	85.2	96.8	50	30.0-156			12.7	27
1,1-Dichloropropene	0.250	ND	0.214	0.262	85.6	105	50	25.0-158			20.2	27
1,3-Dichloropropane	0.250	ND	0.213	0.245	85.2	98.0	50	38.0-147			14.0	27
cis-1,3-Dichloropropene	0.250	ND	0.200	0.242	80.0	96.8	50	34.0-149			19.0	28
trans-1,3-Dichloropropene	0.250	ND	0.196	0.220	78.4	88.0	50	32.0-149			11.5	28
2,2-Dichloropropane	0.250	ND	0.206	0.279	82.4	112	50	24.0-152		J3	30.1	29
Di-isopropyl ether	0.250	ND	0.218	0.250	87.2	100	50	21.0-160			13.7	28
Hexachloro-1,3-butadiene	0.250	ND	0.178	0.232	71.2	92.8	50	20.0-154			26.3	34
Isopropylbenzene	0.250	ND	0.198	0.240	79.2	96.0	50	28.0-157			19.2	27
p-Isopropyltoluene	0.250	ND	0.212	0.254	84.8	102	50	30.0-154			18.0	29
2-Butanone (MEK)	1.25	ND	1.01	1.12	80.8	89.6	50	10.0-160			10.3	32
Methylene Chloride	0.250	ND	ND	0.278	89.3	101	50	23.0-144			11.0	28
4-Methyl-2-pentanone (MIBK)	1.25	ND	1.08	1.17	86.4	93.6	50	29.0-160			8.00	29
Methyl tert-butyl ether	0.250	2.22	2.50	2.52	112	120	50	28.0-150			0.797	29
Naphthalene	0.250	ND	ND	ND	70.0	72.4	50	12.0-156			3.37	35
n-Propylbenzene	0.250	ND	0.230	0.260	92.0	104	50	31.0-154			12.2	28
Styrene	0.250	ND	0.198	0.235	79.2	94.0	50	33.0-155			17.1	28
1,1,1,2-Tetrachloroethane	0.250	ND	0.175	0.205	70.0	82.0	50	36.0-151			15.8	29
1,1,2,2-Tetrachloroethane	0.250	ND	0.258	0.262	103	105	50	33.0-150			1.54	28
1,1,2-Trichlorotrifluoroethane	0.250	ND	0.205	0.249	82.0	99.6	50	23.0-160			19.4	30
Tetrachloroethene	0.250	ND	0.170	0.220	68.0	88.0	50	10.0-160			25.6	27
Toluene	0.250	ND	0.204	0.232	81.6	92.8	50	26.0-154			12.8	28
1,2,3-Trichlorobenzene	0.250	ND	0.167	0.169	66.8	67.6	50	17.0-150			1.19	36
1,2,4-Trichlorobenzene	0.250	ND	0.163	0.181	65.2	72.4	50	24.0-150			10.5	33
1,1,1-Trichloroethane	0.250	ND	0.228	0.289	91.2	116	50	23.0-160			23.6	28
1,1,2-Trichloroethane	0.250	ND	0.209	0.227	83.6	90.8	50	35.0-147			8.26	27
Trichloroethene	0.250	ND	0.195	0.229	78.0	91.6	50	10.0-160			16.0	25
Trichlorofluoromethane	0.250	ND	ND	0.276	96.8	110	50	17.0-160			13.1	31
1,2,3-Trichloropropane	0.250	ND	0.233	0.245	93.2	98.0	50	34.0-151			5.02	29
1,2,3-Trimethylbenzene	0.250	ND	0.224	0.252	89.6	101	50	32.0-149			11.8	28

L1771345-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771345-01 08/29/24 22:52 • (MS) R4114877-6 08/30/24 01:13 • (MSD) R4114877-7 08/30/24 01:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3,5-Trimethylbenzene	0.250	ND	0.223	0.255	89.2	102	50	28.0-153			13.4	27
Vinyl chloride	0.250	ND	0.192	0.240	76.8	96.0	50	10.0-160			22.2	27
(S) Toluene-d8					*102*	*99.3*		*80.0-120*				
(S) 4-Bromofluorobenzene					*105*	*105*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*107*	*107*		*70.0-130*				

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Method Blank (MB)

(MB) R4115291-4 09/03/24 14:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ethylbenzene	U		0.000137	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*99.0*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115291-1 09/03/24 13:15 • (LCSD) R4115291-2 09/03/24 13:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00536	0.00502	107	100	79.0-123			6.55	20
1,2,4-Trimethylbenzene	0.00500	0.00444	0.00439	88.8	87.8	76.0-121			1.13	20
Xylenes, Total	0.0150	0.0156	0.0155	104	103	79.0-123			0.643	20
(S) Toluene-d8				*94.3*	*94.0*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.5*	*93.7*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*116*	*117*	*70.0-130*				

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Method Blank (MB)

(MB) R4112797-3 08/27/24 18:33

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C12-C22 Hydrocarbons	U		0.0330	0.100
C22-C32 Hydrocarbons	U		0.0330	0.100
C32-C40 Hydrocarbons	U		0.0330	0.100
(S) o-Terphenyl	*60.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4112797-2 08/27/24 18:12 • (LCSD) R4112797-1 08/27/24 17:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	0.750	0.688	0.707	91.7	94.3	50.0-150			2.72	20
C22-C32 Hydrocarbons	0.750	0.646	0.617	86.1	82.3	50.0-150			4.59	20
(S) o-Terphenyl				*63.0*	*61.5*	*52.0-156*				

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Method Blank (MB)

(MB) R4114927-3 08/31/24 14:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Anthracene	U		0.0000804	0.00100
Benzidine	U		0.00374	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.00100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.00100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodimethylamine	U		0.000998	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300

Method Blank (MB)

(MB) R4114927-3 08/31/24 14:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*34.4*			*10.0-120*
(S) Phenol-d5	*19.2*			*10.0-120*
(S) Nitrobenzene-d5	*80.1*			*10.0-127*
(S) 2-Fluorobiphenyl	*83.3*			*10.0-130*
(S) 2,4,6-Tribromophenol	*69.5*			*10.0-155*
(S) p-Terphenyl-d14	*89.2*			*10.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4114927-1 08/31/24 13:25 • (LCSD) R4114927-2 08/31/24 13:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	0.0416	0.0416	83.2	83.2	41.0-120			0.000	22
Acenaphthylene	0.0500	0.0412	0.0411	82.4	82.2	43.0-120			0.243	22
Anthracene	0.0500	0.0439	0.0424	87.8	84.8	45.0-120			3.48	20
Benzidine	0.100	0.0157	0.0362	15.7	36.2	10.0-120		J3	79.0	36
Benzo(a)anthracene	0.0500	0.0474	0.0448	94.8	89.6	47.0-120			5.64	20
Benzo(b)fluoranthene	0.0500	0.0442	0.0406	88.4	81.2	46.0-120			8.49	20
Benzo(k)fluoranthene	0.0500	0.0445	0.0422	89.0	84.4	46.0-120			5.31	21
Benzo(g,h,i)perylene	0.0500	0.0434	0.0404	86.8	80.8	48.0-121			7.16	20
Benzo(a)pyrene	0.0500	0.0453	0.0423	90.6	84.6	47.0-120			6.85	20
Bis(2-chlorethoxy)methane	0.0500	0.0352	0.0357	70.4	71.4	33.0-120			1.41	24
Bis(2-chloroethyl)ether	0.0500	0.0415	0.0439	83.0	87.8	23.0-120			5.62	33
2,2-Oxybis(1-Chloropropane)	0.0500	0.0370	0.0386	74.0	77.2	28.0-120			4.23	31
4-Bromophenyl-phenylether	0.0500	0.0463	0.0454	92.6	90.8	45.0-120			1.96	20
2-Chloronaphthalene	0.0500	0.0393	0.0404	78.6	80.8	37.0-120			2.76	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4114927-1 08/31/24 13:25 • (LCSD) R4114927-2 08/31/24 13:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	0.0500	0.0478	0.0463	95.6	92.6	44.0-120			3.19	20
Chrysene	0.0500	0.0462	0.0439	92.4	87.8	48.0-120			5.11	20
Dibenz(a,h)anthracene	0.0500	0.0468	0.0439	93.6	87.8	47.0-120			6.39	20
3,3-Dichlorobenzidine	0.100	0.105	0.102	105	102	44.0-120			2.90	20
2,4-Dinitrotoluene	0.0500	0.0504	0.0482	101	96.4	49.0-124			4.46	20
2,6-Dinitrotoluene	0.0500	0.0480	0.0461	96.0	92.2	46.0-120			4.04	21
Fluoranthene	0.0500	0.0458	0.0431	91.6	86.2	51.0-120			6.07	20
Fluorene	0.0500	0.0439	0.0433	87.8	86.6	47.0-120			1.38	20
Hexachlorobenzene	0.0500	0.0438	0.0433	87.6	86.6	44.0-120			1.15	20
Hexachloro-1,3-butadiene	0.0500	0.0373	0.0385	74.6	77.0	19.0-120			3.17	32
Hexachlorocyclopentadiene	0.0500	0.0293	0.0305	58.6	61.0	15.0-120			4.01	31
Hexachloroethane	0.0500	0.0379	0.0390	75.8	78.0	15.0-120			2.86	37
Indeno(1,2,3-cd)pyrene	0.0500	0.0432	0.0406	86.4	81.2	49.0-122			6.21	20
Isophorone	0.0500	0.0324	0.0323	64.8	64.6	36.0-120			0.309	23
Naphthalene	0.0500	0.0345	0.0349	69.0	69.8	27.0-120			1.15	27
Nitrobenzene	0.0500	0.0344	0.0350	68.8	70.0	27.0-120			1.73	29
n-Nitrosodimethylamine	0.0500	0.0144	0.0154	28.8	30.8	10.0-120			6.71	40
n-Nitrosodiphenylamine	0.0500	0.0447	0.0434	89.4	86.8	47.0-120			2.95	20
n-Nitrosodi-n-propylamine	0.0500	0.0336	0.0349	67.2	69.8	31.0-120			3.80	28
Phenanthrene	0.0500	0.0442	0.0429	88.4	85.8	46.0-120			2.99	20
Benzylbutyl phthalate	0.0500	0.0502	0.0475	100	95.0	43.0-121			5.53	20
Bis(2-ethylhexyl)phthalate	0.0500	0.0485	0.0464	97.0	92.8	43.0-122			4.43	20
Di-n-butyl phthalate	0.0500	0.0468	0.0452	93.6	90.4	49.0-121			3.48	20
Diethyl phthalate	0.0500	0.0477	0.0461	95.4	92.2	48.0-122			3.41	20
Dimethyl phthalate	0.0500	0.0458	0.0441	91.6	88.2	48.0-120			3.78	20
Di-n-octyl phthalate	0.0500	0.0495	0.0473	99.0	94.6	42.0-125			4.55	20
Pyrene	0.0500	0.0436	0.0415	87.2	83.0	47.0-120			4.94	20
1,2,4-Trichlorobenzene	0.0500	0.0365	0.0370	73.0	74.0	24.0-120			1.36	29
4-Chloro-3-methylphenol	0.0500	0.0369	0.0359	73.8	71.8	40.0-120			2.75	21
2-Chlorophenol	0.0500	0.0369	0.0394	73.8	78.8	25.0-120			6.55	35
2,4-Dichlorophenol	0.0500	0.0388	0.0392	77.6	78.4	36.0-120			1.03	26
2,4-Dimethylphenol	0.0500	0.0337	0.0342	67.4	68.4	33.0-120			1.47	26
4,6-Dinitro-2-methylphenol	0.0500	0.0548	0.0535	110	107	38.0-138			2.40	25
2,4-Dinitrophenol	0.0500	0.0570	0.0540	114	108	10.0-120			5.41	39
2-Nitrophenol	0.0500	0.0393	0.0413	78.6	82.6	31.0-120			4.96	29
4-Nitrophenol	0.0500	0.0164	0.0150	32.8	30.0	10.0-120			8.92	33
Pentachlorophenol	0.0500	0.0431	0.0401	86.2	80.2	23.0-120			7.21	25
Phenol	0.0500	0.0139	0.0151	27.8	30.2	10.0-120			8.28	36
2,4,6-Trichlorophenol	0.0500	0.0438	0.0451	87.6	90.2	42.0-120			2.92	23
(S) 2-Fluorophenol				*43.1*	*45.4*	*10.0-120*				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4114927-1 08/31/24 13:25 • (LCSD) R4114927-2 08/31/24 13:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
(S) Phenol-d5				*24.9*	*26.5*	*10.0-120*				
(S) Nitrobenzene-d5				*65.8*	*68.0*	*10.0-127*				
(S) 2-Fluorobiphenyl				*77.1*	*78.1*	*10.0-130*				
(S) 2,4,6-Tribromophenol				*83.0*	*80.0*	*10.0-155*				
(S) p-Terphenyl-d14				*82.1*	*77.9*	*10.0-128*				

DRAFT

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

DRAFT

TRC - BNSF Region 4
6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
Account Payable
6 Executive Circle, Suite 200
Irvine, CA 92614

Report to: Jose Maldonado

Email To: gfry@trccompanies.com
JMaldonado@trccompanies.com

Project Description: Lone Oak Barstow LLC

City/State Collected: Barstow, CA

Please Circle: PT MT CT ET

Phone: 661-520-8414

Client Project # 596818.0000.0000

Lab Project # BNSF4TRC-BARSTOWLOAK

Collected by (print): Eladio

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270 100ml Amb NoPres	DROCAERLV1 40ml Amb-HCl-BT	MW20DCAM17-(FF)250ml HDPE-NoPres	V8260 40ml Amb-HCl						
SB-3-GW-23'	G	GW		8/23/24	0930	8	X	X	X	X						
~~SB-6-GW~~ EM	↓	↓		↓		~~8~~	~~X~~	~~X~~	~~X~~	~~X~~	EM					

Chain of Custody Page ___ of ___

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MT JULIET, TN
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # 172344

B122

Acctnum:
Template:
Prelogin:
PM:
PB:
Shipped Via:

Remarks	Sample # (lab only)
	-01

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: "Bill to TRC BNSF Contract Rates - PO#X"
"Title 22 Metals to be Filtered by the lab as soon as received"

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 7781 5732 1369

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: ✓ N
Bottles arrive intact: ✓ N
Correct bottles used: ✓ N
Sufficient volume sent: ✓ N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: ✓Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	8/23/24				
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.4 °C Bottles Received: 8	If preservation required by Login: Date/Time
				2.0 + .3 = 3.0	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			Alexa Mitchell	8/24/24 0900	

ANALYTICAL REPORT

September 05, 2024

TRC - BNSF Region 4

Sample Delivery Group:	L1773640
Samples Received:	08/16/2024
Project Number:	596818.0000.0000
Description:	Lone Oak Barstow LLC
Site:	BNSF LOAN OAK BARSTOW
Report To:	Jose Maldonado 6 Executive Circle, Suite 200 Irvine, CA 92614

Entire Report Reviewed By:

Andi R Jones
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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DRAFT

MW-1 L1773640-01 GW

Collected by: Eladio | Collected date/time: 08/15/24 11:20 | Received date/time: 08/16/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015	WG2355941	1	09/04/24 14:51	09/04/24 14:51	DWR	Mt. Juliet, TN

MW-3 L1773640-02 GW

Collected by: Eladio | Collected date/time: 08/15/24 11:47 | Received date/time: 08/16/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015	WG2355941	1	09/04/24 15:13	09/04/24 15:13	DWR	Mt. Juliet, TN

MW-2 L1773640-03 GW

Collected by: Eladio | Collected date/time: 08/15/24 12:10 | Received date/time: 08/16/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015	WG2355941	1	09/04/24 15:40	09/04/24 15:40	DWR	Mt. Juliet, TN

DRAFT

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Andi R Jones
Project Manager

DRAFT

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPHG C5 - C12	0.166	T8	0.100	1	09/04/2024 14:51	WG2355941
(S) a,a,a-Trifluorotoluene(FID)	*97.6*		*78.0-120*		*09/04/2024 14:51*	WG2355941

DRAFT

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPHG C5 - C12	ND	T8	0.100	1	09/04/2024 15:13	WG2355941
(S) a,a,a-Trifluorotoluene(FID)	*98.9*		*78.0-120*		*09/04/2024 15:13*	WG2355941

DRAFT

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPHG C5 - C12	0.140	T8	0.100	1	09/04/2024 15:40	WG2355941
(S) a,a,a-Trifluorotoluene(FID)	*99.2*		*78.0-120*		*09/04/2024 15:40*	WG2355941

DRAFT

Method Blank (MB)

(MB) R4115452-3 09/04/24 12:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPHG C5 - C12	U		0.0304	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115452-1 09/04/24 11:00 • (LCSD) R4115452-2 09/04/24 11:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	5.04	4.98	101	99.6	71.0-127			1.20	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*103*	*78.0-120*				

DRAFT

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
T8	Sample(s) received past/too close to holding time expiration.

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Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

DRAFT

Company Name/Address:
TRC - BNSF Region 4

6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
Accounts Payable
6 Executive Circle, Suite 200
Irvine, CA 92614

Pres Chk

Report to:
Jose Maldonado

Email To:
JMaldonado@trccompanies.com;gfry@trccomp

Project Description:
Lone Oak Barstow LLC

City/State Collected: Barstow, CA

Please Circle: PT MT CT ET

Phone: **661-520-8414**

Client Project #
596818.0000.0000

Lab Project #
BNSF4TRC-BARSTOWLOAK

Collected by (print):
Eladio

Site/Facility ID #
BNSF loan Oak Barstow

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270 100ml Amb NoPres	DROCAERLVI 40mlAmb-HCl-BT	M6020DCAM17-(FF) 250mlHDPE-NoPres	V8260 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-1	G	GW	—	8/15/24	1120	8	X	X	X	X		-01
MW-3	G	GW	—	↓	1147	8	X	X	X	X		-02
MW-2	G	GW	—	↓	1210	8	X	X	X	X		-03
		GW										
		GW										

Chain of Custody Page ___ of ___

Pace
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MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # ~~L1768582~~ J250 L1773640 AV 9/3/24

Acctnum: BNSF4TRC
Template: T258345
Prelogin: P1094988
PM: 4089 - Andi R Jones
PB: 8-13-2024 fm
Shipped Via: 1st Overnight

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: "Bill to TRC-BNSF Contract Rates -PO#X"
"Title 22 Metals to be filtered by the lab as soon as received"

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 4012 9166 6366

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: ✓ N
Bottles arrive intact: ✓ N
Correct bottles used: ✓ N
Sufficient volume sent: ✓ N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: ✓ N
RAD Screen <0.5 mR/hr: ✓ N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
✓	8/15/24		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Chosen

Trip Blank Received: Yes / (No) HCL / MeoH TBR

Temp MSAS °C Bottles Received: 3.0 40, 5-3.324

Date: 8/16/24 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

L1768582 *BNSF4TRC* Relog R1

R0/R1

Please relog -01, -02, -03 for GROCA, R1 Due 9/4 transfer TS

Thanks

Committed to you,

Andi Jones
Project Manager 2, Pace National
Pace(r) Analytical Services
12065 Lebanon Road | Mt. Juliet, TN 37122
615.583.2006 | pacelabs.com<http://www.pacelabs.com/>
Emergency Response Line | (877) 859-7778
[cid:image001.jpg@01DAFE13.D1A49970]
[cid:image002.jpg@01DAFE13.D1A49970]
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Members

AJ Andi Jones (responsible)

ANALYTICAL REPORT

September 10, 2024

TRC - BNSF Region 4

Sample Delivery Group:	L1774028
Samples Received:	08/24/2024
Project Number:	59618
Description:	Lone Oak Barstow LLC
Site:	LONE OAK
Report To:	Jose Maldonado 6 Executive Circle, Suite 200 Irvine, CA 92614

Entire Report Reviewed By:

Andi R Jones
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SB-6-20 L1774028-01 Solid

Collected by	Collected date/time	Received date/time
Paul Kee	08/23/24 12:15	08/24/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2356404	1	09/05/24 07:04	09/05/24 07:12	MT	Mt. Juliet, TN
Mercury by Method 7471A	WG2355985	1	09/06/24 10:01	09/06/24 14:16	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2356689	1	09/07/24 13:22	09/07/24 17:29	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2356271	28	08/23/24 12:15	09/04/24 22:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2356482	1.12	08/23/24 12:15	09/05/24 08:55	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2356793	1	09/05/24 17:39	09/06/24 10:34	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2356421	1	09/05/24 13:39	09/08/24 14:08	AGW	Mt. Juliet, TN

DRAFT

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Andi R Jones
Project Manager

DRAFT

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	09/05/2024 07:12	WG2356404

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0424	1	09/06/2024 14:16	WG2355985

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.12	1	09/07/2024 17:29	WG2356689
Arsenic	37.3		2.12	1	09/07/2024 17:29	WG2356689
Barium	48.0		0.530	1	09/07/2024 17:29	WG2356689
Beryllium	ND		0.212	1	09/07/2024 17:29	WG2356689
Cadmium	ND		0.530	1	09/07/2024 17:29	WG2356689
Chromium	4.12		1.06	1	09/07/2024 17:29	WG2356689
Cobalt	3.03		1.06	1	09/07/2024 17:29	WG2356689
Copper	2.20		2.12	1	09/07/2024 17:29	WG2356689
Lead	12.9		0.530	1	09/07/2024 17:29	WG2356689
Molybdenum	6.47		0.530	1	09/07/2024 17:29	WG2356689
Nickel	2.23		2.12	1	09/07/2024 17:29	WG2356689
Selenium	ND		2.12	1	09/07/2024 17:29	WG2356689
Silver	ND		1.06	1	09/07/2024 17:29	WG2356689
Thallium	ND		2.12	1	09/07/2024 17:29	WG2356689
Vanadium	18.1		2.12	1	09/07/2024 17:29	WG2356689
Zinc	39.1		5.30	1	09/07/2024 17:29	WG2356689

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	12.7	B	3.12	28	09/04/2024 22:02	WG2356271
(S) a,a,a-Trifluorotoluene(FID)	*94.2*		*77.0-120*		*09/04/2024 22:02*	WG2356271

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0624	1.12	09/05/2024 08:55	WG2356482
Acrylonitrile	ND		0.0156	1.12	09/05/2024 08:55	WG2356482
Benzene	ND		0.00125	1.12	09/05/2024 08:55	WG2356482
Bromobenzene	ND		0.0156	1.12	09/05/2024 08:55	WG2356482
Bromodichloromethane	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
Bromoform	ND		0.0312	1.12	09/05/2024 08:55	WG2356482
Bromomethane	ND		0.0156	1.12	09/05/2024 08:55	WG2356482
n-Butylbenzene	ND		0.0156	1.12	09/05/2024 08:55	WG2356482
sec-Butylbenzene	ND		0.0156	1.12	09/05/2024 08:55	WG2356482
tert-Butylbenzene	ND	J4	0.00624	1.12	09/05/2024 08:55	WG2356482
Carbon tetrachloride	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
Chlorobenzene	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
Chlorodibromomethane	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
Chloroethane	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
Chloroform	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
Chloromethane	ND		0.0156	1.12	09/05/2024 08:55	WG2356482
2-Chlorotoluene	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
4-Chlorotoluene	ND		0.00624	1.12	09/05/2024 08:55	WG2356482

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0312	1.12	09/05/2024 08:55	WG2356482
1,2-Dibromoethane	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
Dibromomethane	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
1,2-Dichlorobenzene	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
1,3-Dichlorobenzene	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
1,4-Dichlorobenzene	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
Dichlorodifluoromethane	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
1,1-Dichloroethane	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
1,2-Dichloroethane	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
1,1-Dichloroethene	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
cis-1,2-Dichloroethene	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
trans-1,2-Dichloroethene	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
1,2-Dichloropropane	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
1,1-Dichloropropene	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
1,3-Dichloropropane	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
cis-1,3-Dichloropropene	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
trans-1,3-Dichloropropene	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
2,2-Dichloropropane	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
Di-isopropyl ether	ND		0.00125	1.12	09/05/2024 08:55	WG2356482
Ethylbenzene	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
Hexachloro-1,3-butadiene	ND		0.0312	1.12	09/05/2024 08:55	WG2356482
Isopropylbenzene	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
p-Isopropyltoluene	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
2-Butanone (MEK)	ND		0.125	1.12	09/05/2024 08:55	WG2356482
Methylene Chloride	0.0943		0.0312	1.12	09/05/2024 08:55	WG2356482
4-Methyl-2-pentanone (MIBK)	ND		0.0312	1.12	09/05/2024 08:55	WG2356482
Methyl tert-butyl ether	ND		0.00125	1.12	09/05/2024 08:55	WG2356482
Naphthalene	ND		0.0156	1.12	09/05/2024 08:55	WG2356482
n-Propylbenzene	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
Styrene	ND		0.0156	1.12	09/05/2024 08:55	WG2356482
1,1,1,2-Tetrachloroethane	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
1,1,2,2-Tetrachloroethane	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
1,1,2-Trichlorotrifluoroethane	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
Tetrachloroethene	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
Toluene	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
1,2,3-Trichlorobenzene	ND		0.0156	1.12	09/05/2024 08:55	WG2356482
1,2,4-Trichlorobenzene	ND		0.0156	1.12	09/05/2024 08:55	WG2356482
1,1,1-Trichloroethane	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
1,1,2-Trichloroethane	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
Trichloroethene	ND		0.00125	1.12	09/05/2024 08:55	WG2356482
Trichlorofluoromethane	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
1,2,3-Trichloropropane	ND		0.0156	1.12	09/05/2024 08:55	WG2356482
1,2,4-Trimethylbenzene	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
1,2,3-Trimethylbenzene	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
Vinyl chloride	ND		0.00312	1.12	09/05/2024 08:55	WG2356482
1,3,5-Trimethylbenzene	ND		0.00624	1.12	09/05/2024 08:55	WG2356482
Xylenes, Total	ND		0.00811	1.12	09/05/2024 08:55	WG2356482
(S) Toluene-d8	*93.8*		*75.0-131*		*09/05/2024 08:55*	WG2356482
(S) 4-Bromofluorobenzene	*97.8*		*67.0-138*		*09/05/2024 08:55*	WG2356482
(S) 1,2-Dichloroethane-d4	*85.4*		*70.0-130*		*09/05/2024 08:55*	WG2356482

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	23.7		4.24	1	09/06/2024 10:34	WG2356793
C22-C32 Hydrocarbons	ND		4.24	1	09/06/2024 10:34	WG2356793
C32-C40 Hydrocarbons	ND		4.24	1	09/06/2024 10:34	WG2356793
(S) o-Terphenyl	*75.7*		*18.0-148*		*09/06/2024 10:34*	WG2356793

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Acenaphthylene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Anthracene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Benzidine	ND		1.77	1	09/08/2024 14:08	WG2356421
Benzo(a)anthracene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Benzo(b)fluoranthene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Benzo(k)fluoranthene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Benzo(g,h,i)perylene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Benzo(a)pyrene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Bis(2-chlorethoxy)methane	ND		0.353	1	09/08/2024 14:08	WG2356421
Bis(2-chloroethyl)ether	ND		0.353	1	09/08/2024 14:08	WG2356421
2,2-Oxybis(1-Chloropropane)	ND		0.353	1	09/08/2024 14:08	WG2356421
4-Bromophenyl-phenylether	ND		0.353	1	09/08/2024 14:08	WG2356421
2-Chloronaphthalene	ND		0.0353	1	09/08/2024 14:08	WG2356421
4-Chlorophenyl-phenylether	ND		0.353	1	09/08/2024 14:08	WG2356421
Chrysene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Dibenz(a,h)anthracene	ND		0.0353	1	09/08/2024 14:08	WG2356421
3,3-Dichlorobenzidine	ND		0.353	1	09/08/2024 14:08	WG2356421
2,4-Dinitrotoluene	ND		0.353	1	09/08/2024 14:08	WG2356421
2,6-Dinitrotoluene	ND		0.353	1	09/08/2024 14:08	WG2356421
Fluoranthene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Fluorene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Hexachlorobenzene	ND		0.353	1	09/08/2024 14:08	WG2356421
Hexachloro-1,3-butadiene	ND		0.353	1	09/08/2024 14:08	WG2356421
Hexachlorocyclopentadiene	ND		0.353	1	09/08/2024 14:08	WG2356421
Hexachloroethane	ND		0.353	1	09/08/2024 14:08	WG2356421
Indeno(1,2,3-cd)pyrene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Isophorone	ND		0.353	1	09/08/2024 14:08	WG2356421
Naphthalene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Nitrobenzene	ND		0.353	1	09/08/2024 14:08	WG2356421
n-Nitrosodimethylamine	ND		0.353	1	09/08/2024 14:08	WG2356421
n-Nitrosodiphenylamine	ND		0.353	1	09/08/2024 14:08	WG2356421
n-Nitrosodi-n-propylamine	ND		0.353	1	09/08/2024 14:08	WG2356421
Phenanthrene	ND		0.0353	1	09/08/2024 14:08	WG2356421
Benzylbutyl phthalate	ND		0.353	1	09/08/2024 14:08	WG2356421
Bis(2-ethylhexyl)phthalate	ND		0.353	1	09/08/2024 14:08	WG2356421
Di-n-butyl phthalate	ND		0.353	1	09/08/2024 14:08	WG2356421
Diethyl phthalate	ND		0.353	1	09/08/2024 14:08	WG2356421
Dimethyl phthalate	ND		0.353	1	09/08/2024 14:08	WG2356421
Di-n-octyl phthalate	ND		0.353	1	09/08/2024 14:08	WG2356421
Pyrene	ND		0.0353	1	09/08/2024 14:08	WG2356421
1,2,4-Trichlorobenzene	ND		0.353	1	09/08/2024 14:08	WG2356421
4-Chloro-3-methylphenol	ND		0.353	1	09/08/2024 14:08	WG2356421
2-Chlorophenol	ND		0.353	1	09/08/2024 14:08	WG2356421
2,4-Dichlorophenol	ND		0.353	1	09/08/2024 14:08	WG2356421
2,4-Dimethylphenol	ND		0.353	1	09/08/2024 14:08	WG2356421
4,6-Dinitro-2-methylphenol	ND		0.353	1	09/08/2024 14:08	WG2356421
2,4-Dinitrophenol	ND		0.353	1	09/08/2024 14:08	WG2356421

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Methylphenol	ND		0.353	1	09/08/2024 14:08	WG2356421
3&4-Methyl Phenol	ND		0.353	1	09/08/2024 14:08	WG2356421
2-Nitrophenol	ND		0.353	1	09/08/2024 14:08	WG2356421
4-Nitrophenol	ND		0.353	1	09/08/2024 14:08	WG2356421
Pentachlorophenol	ND		0.353	1	09/08/2024 14:08	WG2356421
Pyridine	ND		0.353	1	09/08/2024 14:08	WG2356421
2,4,5-Trichlorophenol	ND		0.353	1	09/08/2024 14:08	WG2356421
2,4,6-Trichlorophenol	ND		0.353	1	09/08/2024 14:08	WG2356421
Phenol	ND		0.353	1	09/08/2024 14:08	WG2356421
(S) 2-Fluorophenol	*58.4*		*12.0-120*		*09/08/2024 14:08*	WG2356421
(S) Phenol-d5	*52.6*		*10.0-120*		*09/08/2024 14:08*	WG2356421
(S) Nitrobenzene-d5	*51.4*		*10.0-122*		*09/08/2024 14:08*	WG2356421
(S) 2-Fluorobiphenyl	*52.3*		*15.0-120*		*09/08/2024 14:08*	WG2356421
(S) 2,4,6-Tribromophenol	*57.3*		*10.0-127*		*09/08/2024 14:08*	WG2356421
(S) p-Terphenyl-d14	*55.7*		*10.0-120*		*09/08/2024 14:08*	WG2356421

DRAFT

Method Blank (MB)

(MB) R4115858-1 09/05/24 07:12

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1774044-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1774044-02 09/05/24 07:12 • (DUP) R4115858-3 09/05/24 07:12

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.5	82.1	1	1.76		10

Laboratory Control Sample (LCS)

(LCS) R4115858-2 09/05/24 07:12

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

DRAFT

QUALITY CONTROL SUMMARY

L1774028-01

Method Blank (MB)

(MB) R4116489-1 09/06/24 13:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4116489-2 09/06/24 13:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.505	101	80.0-120	

L1772398-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772398-01 09/06/24 13:27 • (MS) R4116489-4 09/06/24 13:32 • (MSD) R4116489-5 09/06/24 13:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.507	ND	0.454	0.568	89.6	112	1	75.0-125		J3	22.3	20

DRAFT

Method Blank (MB)

(MB) R4116888-1 09/07/24 17:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	0.0522	J	0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4116888-2 09/07/24 17:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	108	108	80.0-120	
Arsenic	100	110	110	80.0-120	
Barium	100	114	114	80.0-120	
Beryllium	100	107	107	80.0-120	
Cadmium	100	110	110	80.0-120	
Chromium	100	113	113	80.0-120	
Cobalt	100	105	105	80.0-120	
Copper	100	113	113	80.0-120	
Lead	100	107	107	80.0-120	
Molybdenum	100	114	114	80.0-120	
Nickel	100	106	106	80.0-120	
Selenium	100	99.2	99.2	80.0-120	
Silver	20.0	21.0	105	80.0-120	
Thallium	100	113	113	80.0-120	
Vanadium	100	106	106	80.0-120	
Zinc	100	109	109	80.0-120	

L1772747-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772747-19 09/07/24 17:21 • (MS) R4116888-5 09/07/24 17:26 • (MSD) R4116888-6 09/07/24 17:28

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	122	ND	108	99.7	88.6	81.8	1	75.0-125			7.92	20
Arsenic	122	ND	109	102	89.3	83.4	1	75.0-125			6.85	20
Barium	122	0.787	115	107	93.6	87.3	1	75.0-125			6.96	20
Beryllium	122	ND	109	101	89.7	82.6	1	75.0-125			8.23	20
Cadmium	122	ND	110	102	90.2	84.1	1	75.0-125			7.05	20
Chromium	122	ND	115	107	93.7	87.8	1	75.0-125			6.47	20
Cobalt	122	ND	107	99.2	87.5	81.3	1	75.0-125			7.36	20
Copper	122	ND	113	106	92.6	87.1	1	75.0-125			6.11	20
Lead	122	ND	109	101	88.9	82.7	1	75.0-125			7.21	20
Molybdenum	122	ND	114	105	93.4	86.5	1	75.0-125			7.69	20
Nickel	122	ND	106	98.7	86.5	80.8	1	75.0-125			6.76	20
Selenium	122	ND	99.0	92.2	81.2	75.7	1	75.0-125			7.08	20
Silver	24.4	ND	21.3	20.1	87.4	82.3	1	75.0-125			5.95	20
Thallium	122	ND	113	106	92.8	86.9	1	75.0-125			6.56	20
Vanadium	122	ND	108	99.4	88.8	81.6	1	75.0-125			8.47	20
Zinc	122	ND	110	103	90.1	84.8	1	75.0-125			6.01	20

DRAFT

Method Blank (MB)

(MB) R4116363-3 09/04/24 21:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.77	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*95.2*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4116363-1 09/04/24 20:18 • (LCSD) R4116363-2 09/04/24 20:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	4.70	4.55	94.0	91.0	72.0-125			3.24	20
(S) a,a,a-Trifluorotoluene(FID)				*106*	*107*	*77.0-120*				

L1773576-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1773576-06 09/05/24 04:06 • (MS) R4116363-4 09/05/24 04:25 • (MSD) R4116363-5 09/05/24 04:44

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	177	4.11	176	172	97.0	94.5	31.3	10.0-141			2.60	29
(S) a,a,a-Trifluorotoluene(FID)					*108*	*109*		*77.0-120*				

DRAFT

Method Blank (MB)

(MB) R4116352-2 09/05/24 05:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4116352-2 09/05/24 05:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
Vinyl chloride	U		0.00116	0.00250
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*92.5*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*88.1*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4116352-1 09/05/24 04:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.634	101	10.0-160	
Acrylonitrile	0.625	0.648	104	45.0-153	
Benzene	0.125	0.136	109	70.0-123	
Bromobenzene	0.125	0.107	85.6	73.0-121	
Bromodichloromethane	0.125	0.118	94.4	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R4116352-1 09/05/24 04:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.125	0.102	81.6	64.0-132	
Bromomethane	0.125	0.111	88.8	56.0-147	
n-Butylbenzene	0.125	0.104	83.2	68.0-135	
sec-Butylbenzene	0.125	0.111	88.8	74.0-130	
tert-Butylbenzene	0.125	0.0859	68.7	75.0-127	J4
Carbon tetrachloride	0.125	0.127	102	66.0-128	
Chlorobenzene	0.125	0.105	84.0	76.0-128	
Chlorodibromomethane	0.125	0.103	82.4	74.0-127	
Chloroethane	0.125	0.124	99.2	61.0-134	
Chloroform	0.125	0.121	96.8	72.0-123	
Chloromethane	0.125	0.127	102	51.0-138	
2-Chlorotoluene	0.125	0.111	88.8	75.0-124	
4-Chlorotoluene	0.125	0.111	88.8	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.105	84.0	59.0-130	
1,2-Dibromoethane	0.125	0.110	88.0	74.0-128	
Dibromomethane	0.125	0.117	93.6	75.0-122	
1,2-Dichlorobenzene	0.125	0.117	93.6	76.0-124	
1,3-Dichlorobenzene	0.125	0.109	87.2	76.0-125	
1,4-Dichlorobenzene	0.125	0.108	86.4	77.0-121	
Dichlorodifluoromethane	0.125	0.139	111	43.0-156	
1,1-Dichloroethane	0.125	0.131	105	70.0-127	
1,2-Dichloroethane	0.125	0.126	101	65.0-131	
1,1-Dichloroethene	0.125	0.142	114	65.0-131	
cis-1,2-Dichloroethene	0.125	0.120	96.0	73.0-125	
trans-1,2-Dichloroethene	0.125	0.122	97.6	71.0-125	
1,2-Dichloropropane	0.125	0.122	97.6	74.0-125	
1,1-Dichloropropene	0.125	0.132	106	73.0-125	
1,3-Dichloropropane	0.125	0.115	92.0	80.0-125	
cis-1,3-Dichloropropene	0.125	0.112	89.6	76.0-127	
trans-1,3-Dichloropropene	0.125	0.108	86.4	73.0-127	
2,2-Dichloropropane	0.125	0.109	87.2	59.0-135	
Di-isopropyl ether	0.125	0.137	110	60.0-136	
Ethylbenzene	0.125	0.116	92.8	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.0964	77.1	57.0-150	
Isopropylbenzene	0.125	0.111	88.8	72.0-127	
p-Isopropyltoluene	0.125	0.108	86.4	72.0-133	
2-Butanone (MEK)	0.625	0.728	116	30.0-160	
Methylene Chloride	0.125	0.119	95.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.668	107	56.0-143	
Methyl tert-butyl ether	0.125	0.121	96.8	66.0-132	

Laboratory Control Sample (LCS)

(LCS) R4116352-1 09/05/24 04:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.105	84.0	59.0-130	
n-Propylbenzene	0.125	0.108	86.4	74.0-126	
Styrene	0.125	0.108	86.4	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.104	83.2	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.103	82.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.136	109	61.0-139	
Tetrachloroethene	0.125	0.109	87.2	70.0-136	
Toluene	0.125	0.106	84.8	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.106	84.8	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.112	89.6	62.0-137	
1,1,1-Trichloroethane	0.125	0.129	103	69.0-126	
1,1,2-Trichloroethane	0.125	0.112	89.6	78.0-123	
Trichloroethene	0.125	0.134	107	76.0-126	
Trichlorofluoromethane	0.125	0.133	106	61.0-142	
1,2,3-Trichloropropane	0.125	0.114	91.2	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.106	84.8	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.107	85.6	74.0-124	
Vinyl chloride	0.125	0.151	121	63.0-134	
1,3,5-Trimethylbenzene	0.125	0.106	84.8	73.0-127	
Xylenes, Total	0.375	0.333	88.8	72.0-127	
(S) Toluene-d8			*86.9*	*75.0-131*	
(S) 4-Bromofluorobenzene			*97.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*93.3*	*70.0-130*	

DRAFT

Method Blank (MB)

(MB) R4116415-1 09/06/24 10:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		2.00	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*76.9*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4116415-2 09/06/24 11:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	19.7	78.8	50.0-150	
C22-C32 Hydrocarbons	25.0	18.6	74.4	50.0-150	
(S) o-Terphenyl			*90.7*	*18.0-148*	

L1774138-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1774138-01 09/06/24 13:57 • (MS) R4116415-3 09/06/24 14:12 • (MSD) R4116415-4 09/06/24 14:27

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	27.1	ND	21.7	20.6	74.4	70.3	1	50.0-150			5.24	20
C22-C32 Hydrocarbons	27.1	ND	19.6	18.8	65.9	63.1	1	50.0-150			4.03	20
(S) o-Terphenyl					*67.2*	*66.9*		*18.0-148*				

DRAFT

Method Blank (MB)

(MB) R4117406-2 09/08/24 10:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4117406-2 09/08/24 10:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Methylphenol	U		0.0100	0.333
3&4-Methyl Phenol	U		0.0104	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Pyridine	U		0.0220	0.333
2,4,5-Trichlorophenol	U		0.0113	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
Phenol	U		0.0134	0.333
(S) 2-Fluorophenol	*61.9*			*12.0-120*
(S) Phenol-d5	*57.5*			*10.0-120*
(S) Nitrobenzene-d5	*51.4*			*10.0-122*
(S) 2-Fluorobiphenyl	*54.1*			*15.0-120*
(S) 2,4,6-Tribromophenol	*49.8*			*10.0-127*
(S) p-Terphenyl-d14	*60.4*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4117406-1 09/08/24 10:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.399	59.9	38.0-120	
Acenaphthylene	0.666	0.397	59.6	40.0-120	
Anthracene	0.666	0.422	63.4	42.0-120	
Benzidine	1.33	0.141	10.6	10.0-120	
Benzo(a)anthracene	0.666	0.412	61.9	44.0-120	
Benzo(b)fluoranthene	0.666	0.406	61.0	43.0-120	
Benzo(k)fluoranthene	0.666	0.411	61.7	44.0-120	
Benzo(g,h,i)perylene	0.666	0.379	56.9	43.0-120	
Benzo(a)pyrene	0.666	0.416	62.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.353	53.0	20.0-120	

Laboratory Control Sample (LCS)

(LCS) R4117406-1 09/08/24 10:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bis(2-chloroethyl)ether	0.666	0.492	73.9	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.392	58.9	23.0-120	
4-Bromophenyl-phenylether	0.666	0.422	63.4	40.0-120	
2-Chloronaphthalene	0.666	0.397	59.6	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.398	59.8	40.0-120	
Chrysene	0.666	0.421	63.2	43.0-120	
Dibenz(a,h)anthracene	0.666	0.422	63.4	44.0-120	
3,3-Dichlorobenzidine	1.33	0.776	58.3	28.0-120	
2,4-Dinitrotoluene	0.666	0.446	67.0	45.0-120	
2,6-Dinitrotoluene	0.666	0.420	63.1	42.0-120	
Fluoranthene	0.666	0.441	66.2	44.0-120	
Fluorene	0.666	0.405	60.8	41.0-120	
Hexachlorobenzene	0.666	0.400	60.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.356	53.5	15.0-120	
Hexachlorocyclopentadiene	0.666	0.274	41.1	15.0-120	
Hexachloroethane	0.666	0.398	59.8	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.381	57.2	45.0-120	
Isophorone	0.666	0.350	52.6	23.0-120	
Naphthalene	0.666	0.356	53.5	18.0-120	
Nitrobenzene	0.666	0.350	52.6	17.0-120	
n-Nitrosodimethylamine	0.666	0.397	59.6	10.0-125	
n-Nitrosodiphenylamine	0.666	0.398	59.8	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.411	61.7	26.0-120	
Phenanthrene	0.666	0.420	63.1	42.0-120	
Benzylbutyl phthalate	0.666	0.423	63.5	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.420	63.1	41.0-120	
Di-n-butyl phthalate	0.666	0.435	65.3	43.0-120	
Diethyl phthalate	0.666	0.415	62.3	43.0-120	
Dimethyl phthalate	0.666	0.396	59.5	43.0-120	
Di-n-octyl phthalate	0.666	0.427	64.1	40.0-120	
Pyrene	0.666	0.405	60.8	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.357	53.6	17.0-120	
4-Chloro-3-methylphenol	0.666	0.331	49.7	28.0-120	
2-Chlorophenol	0.666	0.417	62.6	28.0-120	
2,4-Dichlorophenol	0.666	0.354	53.2	25.0-120	
2,4-Dimethylphenol	0.666	0.292	43.8	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.397	59.6	16.0-120	
2,4-Dinitrophenol	0.666	0.257	38.6	10.0-120	
2-Methylphenol	0.666	0.396	59.5	35.0-120	
3&4-Methyl Phenol	0.666	0.442	66.4	42.0-120	

Laboratory Control Sample (LCS)

(LCS) R4117406-1 09/08/24 10:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.386	58.0	20.0-120	
4-Nitrophenol	0.666	0.454	68.2	27.0-120	
Pentachlorophenol	0.666	0.205	30.8	29.0-120	
Pyridine	0.666	0.266	39.9	10.0-120	
2,4,5-Trichlorophenol	0.666	0.355	53.3	38.0-120	
2,4,6-Trichlorophenol	0.666	0.353	53.0	37.0-120	
Phenol	0.666	0.403	60.5	28.0-120	
(S) 2-Fluorophenol			*67.1*	*12.0-120*	
(S) Phenol-d5			*61.4*	*10.0-120*	
(S) Nitrobenzene-d5			*49.8*	*10.0-122*	
(S) 2-Fluorobiphenyl			*60.1*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*62.6*	*10.0-127*	
(S) p-Terphenyl-d14			*62.8*	*10.0-120*	

L1770859-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770859-23 09/08/24 13:06 • (MS) R4117406-3 09/08/24 13:27 • (MSD) R4117406-4 09/08/24 13:47

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.645	ND	0.382	0.372	59.2	57.2	1	18.0-120			2.44	32
Acenaphthylene	0.645	ND	0.374	0.365	58.1	56.1	1	25.0-120			2.48	32
Anthracene	0.645	ND	0.369	0.390	57.3	59.9	1	22.0-120			5.38	29
Benzidine	1.29	ND	ND	ND	11.0	26.1	1	10.0-120		J3	82.5	40
Benzo(a)anthracene	0.645	ND	0.381	0.379	59.0	58.2	1	25.0-120			0.538	29
Benzo(b)fluoranthene	0.645	ND	0.379	0.364	58.7	56.0	1	19.0-122			3.85	31
Benzo(k)fluoranthene	0.645	ND	0.381	0.358	59.0	55.0	1	23.0-120			6.08	30
Benzo(g,h,i)perylene	0.645	ND	0.499	0.341	77.4	52.4	1	10.0-120		J3	37.7	33
Benzo(a)pyrene	0.645	ND	0.393	0.370	60.9	56.9	1	24.0-120			5.88	30
Bis(2-chlorethoxy)methane	0.645	ND	ND	ND	51.7	48.1	1	10.0-120			6.31	34
Bis(2-chloroethyl)ether	0.645	ND	0.461	0.437	71.5	67.1	1	10.0-120			5.45	40
2,2-Oxybis(1-Chloropropane)	0.645	ND	0.382	0.366	59.2	56.3	1	10.0-120			4.09	40
4-Bromophenyl-phenylether	0.645	ND	0.381	0.405	59.0	62.2	1	27.0-120			6.23	30
2-Chloronaphthalene	0.645	ND	0.323	0.366	50.2	56.3	1	20.0-120			12.4	32
4-Chlorophenyl-phenylether	0.645	ND	0.396	0.387	61.4	59.4	1	24.0-120			2.35	29
Chrysene	0.645	ND	0.391	0.407	60.6	62.5	1	21.0-120			4.09	29
Dibenz(a,h)anthracene	0.645	ND	0.558	0.359	86.6	55.2	1	10.0-120		J3	43.4	32
3,3-Dichlorobenzidine	1.29	ND	0.716	0.711	55.7	54.5	1	10.0-120			0.715	34
2,4-Dinitrotoluene	0.645	ND	0.437	0.428	67.7	65.7	1	30.0-120			2.13	31
2,6-Dinitrotoluene	0.645	ND	0.365	0.399	56.6	61.3	1	25.0-120			8.81	31

L1770859-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770859-23 09/08/24 13:06 • (MS) R4117406-3 09/08/24 13:27 • (MSD) R4117406-4 09/08/24 13:47

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoranthene	0.645	ND	0.399	0.417	61.9	64.1	1	18.0-126			4.50	32
Fluorene	0.645	ND	0.398	0.380	61.7	58.3	1	25.0-120			4.72	30
Hexachlorobenzene	0.645	ND	0.369	0.389	57.3	59.7	1	27.0-120			5.11	28
Hexachloro-1,3-butadiene	0.645	ND	0.362	0.343	56.2	52.7	1	10.0-120			5.50	38
Hexachlorocyclopentadiene	0.645	ND	ND	ND	35.6	40.3	1	10.0-120			13.3	40
Hexachloroethane	0.645	ND	0.379	0.352	58.7	54.1	1	10.0-120			7.26	40
Indeno(1,2,3-cd)pyrene	0.645	ND	0.505	0.371	78.3	57.1	1	10.0-120			30.5	32
Isophorone	0.645	ND	ND	ND	49.8	48.3	1	13.0-120			2.25	34
Naphthalene	0.645	ND	0.338	0.329	52.4	50.5	1	10.0-120			2.76	35
Nitrobenzene	0.645	ND	ND	ND	51.9	50.3	1	10.0-120			2.16	36
n-Nitrosodimethylamine	0.645	ND	0.542	0.551	84.0	84.6	1	10.0-127			1.68	40
n-Nitrosodiphenylamine	0.645	ND	0.379	0.382	58.7	58.6	1	17.0-120			0.805	29
n-Nitrosodi-n-propylamine	0.645	ND	0.385	0.364	59.7	56.0	1	10.0-120			5.45	37
Phenanthrene	0.645	ND	0.377	0.390	58.4	59.9	1	17.0-120			3.46	31
Benzylbutyl phthalate	0.645	ND	0.390	0.385	60.4	59.1	1	23.0-120			1.32	30
Bis(2-ethylhexyl)phthalate	0.645	ND	0.388	0.587	60.1	90.1	1	17.0-126		J3	40.8	30
Di-n-butyl phthalate	0.645	ND	0.395	0.397	61.2	61.0	1	30.0-120			0.515	29
Diethyl phthalate	0.645	ND	0.400	0.396	62.0	60.8	1	26.0-120			1.03	28
Dimethyl phthalate	0.645	ND	0.340	0.379	52.7	58.2	1	25.0-120			10.8	29
Di-n-octyl phthalate	0.645	ND	0.452	0.388	70.1	59.6	1	21.0-123			15.3	29
Pyrene	0.645	ND	0.381	0.376	59.0	57.7	1	16.0-121			1.35	32
1,2,4-Trichlorobenzene	0.645	ND	0.346	0.343	53.6	52.7	1	12.0-120			0.889	37
4-Chloro-3-methylphenol	0.645	ND	ND	ND	50.3	48.9	1	15.0-120			1.90	30
2-Chlorophenol	0.645	ND	0.400	0.381	62.0	58.5	1	15.0-120			4.97	37
2,4-Dichlorophenol	0.645	ND	ND	ND	51.7	51.1	1	20.0-120			0.306	31
2,4-Dimethylphenol	0.645	ND	ND	ND	32.6	51.4	1	10.0-120		J3	45.7	33
4,6-Dinitro-2-methylphenol	0.645	ND	0.460	0.442	71.4	67.9	1	10.0-120			4.07	39
2,4-Dinitrophenol	0.645	ND	0.400	0.379	62.0	58.2	1	10.0-121			5.50	40
2-Methylphenol	0.645	ND	0.373	0.373	57.9	57.4	1	11.0-120			0.000	40
3&4-Methyl Phenol	0.645	ND	0.412	0.413	63.9	63.5	1	12.0-123			0.247	38
2-Nitrophenol	0.645	ND	0.371	0.367	57.6	56.4	1	12.0-120			1.10	39
4-Nitrophenol	0.645	ND	0.450	0.428	69.8	65.7	1	10.0-137			5.12	32
Pentachlorophenol	0.645	ND	ND	0.358	15.1	55.0	1	10.0-160		J3	114	31
Pyridine	0.645	ND	0.426	0.424	66.0	65.2	1	10.0-120			0.240	40
2,4,5-Trichlorophenol	0.645	ND	ND	ND	46.8	52.0	1	20.0-120			11.5	30
2,4,6-Trichlorophenol	0.645	ND	ND	0.355	46.7	54.5	1	19.0-120			16.5	32
Phenol	0.645	ND	0.380	0.362	58.9	55.6	1	12.0-120			4.68	38
(S) 2-Fluorophenol					*63.8*	*61.9*		*12.0-120*				
(S) Phenol-d5					*58.2*	*55.2*		*10.0-120*				

L1770859-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770859-23 09/08/24 13:06 • (MS) R4117406-3 09/08/24 13:27 • (MSD) R4117406-4 09/08/24 13:47

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Nitrobenzene-d5					*45.6*	*45.5*		*10.0-122*				
(S) 2-Fluorobiphenyl					*48.4*	*56.4*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*54.6*	*60.2*		*10.0-127*				
(S) p-Terphenyl-d14					*62.0*	*56.4*		*10.0-120*				

DRAFT

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

DRAFT

TRC - BNSF Region 4
6 Executive Circle, Suite 200
Irvine, CA 92614

Billing Information:
6 Executive Circle, Suite 200
Irvine, CA 92614

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE
MT JULIET, TN
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615 758 5859

Report to: Jose Maldonado
Email To: jmaldonado@trccompanies.com
PKee@trccompanies.com

Project Description: Lone Oak Borstow LLC
City/State Collected: Barstow / CA
Please Circle: (PT) MT CT ET

Phone: 661-520-8414
Client Project # 596819
Lab Project # BNSF4TRC-Barstow-Lonk
SDG # L1774028
Table #
Acctnum:
Template:
Prelogin:
PM:
PB:
Shipped Via:

Collected by (print): Paul Kee
Site/Facility ID # Lone Oak
P.O. # 220608

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
✓ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed: see remarks

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCHER Bz Clr - NoPres	MeOH CAM17 Bottle - NoPres	SVB270 Bz Clr - NoPres	VOA 40mL Amb / MeOH 1:1 Syr					Remarks	Sample # (lab only)
SB-3-10	Grab	Soil	10	8/22/24	1320	3	✓	✓	✓	✓						-01
SB-3-15			15		1335										Hold	-02
SB-3-20			20		1355										Hold	-03
SB-3-23			23		1525		✓	✓	✓	✓						-04
SB-5-10	Grab	Soil	10	8/23/24	740	3	✓	✓	✓	✓						-05
SB-5-15			15		750										Hold	-06
SB-5-20			20		800		✓	✓	✓	✓						-07
SB-6-10			10		1155		✓	✓	✓	✓						-08
SB-6-15			15		1205										Hold	-09
SB-6-20			20		1215		✓	✓	✓	✓					Hold PT	-10

-01

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: see next page

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____
Tracking # 6357 9421 7901

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR	
	8/23/24	1620		TCA9	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.5+.3=4.7 °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/24/24 Time: 0900	Hold: Condition: NCF / OK

[EXTERNAL] RE: Lone Oak - Soil and Groundwater Sample

R0/R1

Please relog L1771233-10 to a new SDG for: DROCAER, M6010CAM17,SV8270,TS,V8260,GROCA, R2 due 9/6.

Thanks,

Committed to you,

Andi Jones
Project Manager 2, Pace National
Pace(r) Analytical Services
12065 Lebanon Road | Mt. Juliet, TN 37122
615.583.2006 | pacelabs.com<http://www.pacelabs.com/>
Emergency Response Line | (877) 859-7778

From: Maldonado, Jose <JMaldonado@trccompanies.com<mailto:JMaldonado@trccompanies.com>>
Sent: Wednesday, September 4, 2024 2:02 PM
To: Andi Jones <andi.jones@pacelabs.com<mailto:andi.jones@pacelabs.com>>
Subject: RE: [EXTERNAL] RE: Lone Oak - Soil and Groundwater Sample

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.
Andi - For L1771233, I do not see the lab analytical data for Lab ID -10 / Sample Id SB-6-20. Can you please confirm that we are running that data.

Thanks.

Jose Maldonado, QISP
Project Geologist

[cid:image001.png@01DAFED3.E47B2080]
6 Executive Circle, Suite 200, Irvine, CA 92614
T 949.754.5611 | F 949.727.7311 | C 661.520.8414
LinkedIn<http://www.linkedin.com/company/trc-companies-inc> | Twitter<http://twitter.com/TRC_Companies> | Blog<http://www.trccompanies.com/insights/> | TRCcompanies.com<http://www.trccompanies.com/>

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P Please consider the environment before printing this email

Time estimate: oh **Time spent:** oh

Members

AJ Andi Jones (responsible)

Air TECHNOLOGY
Laboratories, Inc.

August 29, 2024

LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C, ASTM D1946, RSK-175

TX Cert T104704450-14-6
EPA Methods TO14A, TO15

UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175

ALASKA CS-LAP 24-002
EPA Methods TO14A, TO15

TRC
ATTN: Jose Maldonado
6 Executive Circle, Suite 200
Irvine, CA 9214

LABORATORY TEST RESULTS

Project Reference: BNSF – Lone Oak – Phase II
Project Number: 596818.0000.0000
Lab Number: R082306-01/05

Enclosed are results for sample(s) received 8/23/24 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Modifications EPA TO-15 – Quadratic regression calibration was required for vinyl acetate, trans-1,3-dichloropropene, 2-hexanone, benzyl chloride, 1,2,4-trichlorobenzene. Styrene required linear regression calibration.
- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

Preliminary results were e-mailed to Jose Maldonado and Gil Fry on 8/28/2024.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

CHAIN OF CUSTODY RECORD

Air TECHNOLOGY Laboratories, Inc.
18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
Fx: 626-964-5832

TURNAROUND TIME
Standard ☐ 48 hours ☐
Same Day ☐ 72 hours ☒
24 hours ☐ 96 hours ☐
Other:

DELIVERABLES
EDD ☐
EDF ☐
LEVEL 3 ☐
LEVEL 4 ☐

PAGE: 1 **OF** 1

Condition upon receipt:
Sealed Yes ☐ No ☐
Intact Yes ☐ No ☐
Chilled _____ deg C

Project No.: 596818.0000.0000
Project Name: BNSF-Lone Oak-Phase II
Report To: Jose Maldonado / Gil Fry
Company: TRC
Street: 6 Executive Circle, Suite 200
City/State/Zip: Irvine, CA 92614
Phone& Fax: 661-520-8414
e-mail: Jmaldonado@trcompanies.com / Gfry@trcompanies.com

BILLING
P.O. No.: 220687
Bill to:

ANALYSIS REQUEST
EPA TO-15

LAB USE ONLY	SAMPLE IDENTIFICATION	Canister ID	Flow Controller ID	SAMPLE DATE	SAMPLE TIME	MATRIX	CONTAINER TYPE	EPA TO-15
R082306-01	SSV-4	N6557	3539	8/22/24	1019	SV	Summa	X
-02	SSV-3	N6609	3526		1040			X
-03	SSV-2	N6605	3540		1104			X
-04	SSV-1	N6571	3503		1118			X
-05	SSV-1-DUP	N6543	3502		1128			X

AUTHORIZATION TO PERFORM WORK: Eladio Mata	COMPANY: TRC		DATE/TIME: 8/22/24	
SAMPLED BY: Jon Castillo	COMPANY: AEG		DATE/TIME: 8/22/24	
RELINQUISHED BY: [signature]	DATE/TIME: 8/23/24	RECEIVED BY: [signature]	DATE/TIME: 8/23/24 1245	
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	

METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other _____

COMMENTS

DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy

Preservation: **H**=HCL **N**=None / Container: **B**=Bag **C**=Can **V**=VOA **O**=Other

Client: TRC
Attn: Jose Maldonado
Project Name: BNSF - Lone Oak - Phase II
Project No.: 596818.0000.0000
Date Received: 08/23/24
Matrix: Air
Reporting Units: ppbv

EPA Method TO-15

Lab No.:	R082306-01		R082306-02		R082306-03		R082306-04	
Client Sample I.D.:	SSV-4		SSV-3		SSV-2		SSV-1	
Date/Time Sampled:	8/22/24 10:19		8/22/24 10:40		8/22/24 11:04		8/22/24 11:18	
Date/Time Analyzed:	8/26/24 19:37		8/26/24 20:18		8/26/24 20:59		8/26/24 21:39	
QC Batch No.:	240826MS2A1		240826MS2A1		240826MS2A1		240826MS2A1	
Analyst Initials:	RC		RC		RC		RC	
Dilution Factor:	1.9		2.2		3.2		2.0	
ANALYTE	Result ppbv	RL ppbv	Result ppbv	RL ppbv	Result ppbv	RL ppbv	Result ppbv	RL ppbv
Dichlorodifluoromethane (12)	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Chloromethane	ND	1.9	ND	2.2	ND	3.2	ND	2.0
1,2-Cl-1,1,2,2-F ethane (114)	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Vinyl Chloride	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Bromomethane	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Chloroethane	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Trichlorofluoromethane (11)	ND	1.9	ND	2.2	ND	3.2	ND	2.0
1,1-Dichloroethene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Carbon Disulfide	3.3	1.9	ND	2.2	ND	3.2	12	2.0
1,1,2-Cl 1,2,2-F ethane (113)	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Acetone	70	1.9	39	2.2	36	3.2	42	2.0
Methylene Chloride	ND	1.9	ND	2.2	ND	3.2	ND	2.0
t-1,2-Dichloroethene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
1,1-Dichloroethane	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Vinyl Acetate	ND	1.9	ND	2.2	ND	3.2	ND	2.0
c-1,2-Dichloroethene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
2-Butanone	95	3.7	90	4.4	66	6.3	58	4.0
t-Butyl Methyl Ether (MTBE)	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Chloroform	ND	1.9	ND	2.2	30	3.2	22	2.0
1,1,1-Trichloroethane	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Carbon Tetrachloride	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Benzene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
1,2-Dichloroethane	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Trichloroethene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
1,2-Dichloropropane	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Bromodichloromethane	ND	1.9	ND	2.2	ND	3.2	ND	2.0
c-1,3-Dichloropropene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
4-Methyl-2-Pentanone	5.4	1.9	ND	2.2	3.4	3.2	4.6	2.0
Toluene	7.3	1.9	3.4	2.2	ND	3.2	2.1	2.0
t-1,3-Dichloropropene	ND	1.9	ND	2.2	ND	3.2	ND	2.0

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: TRC
Attn: Jose Maldonado
Project Name: BNSF - Lone Oak - Phase II
Project No.: 596818.0000.0000
Date Received: 08/23/24
Matrix: Air
Reporting Units: ppbv

EPA Method TO-15

Lab No.:	R082306-01		R082306-02		R082306-03		R082306-04	
Client Sample I.D.:	SSV-4		SSV-3		SSV-2		SSV-1	
Date/Time Sampled:	8/22/24 10:19		8/22/24 10:40		8/22/24 11:04		8/22/24 11:18	
Date/Time Analyzed:	8/26/24 19:37		8/26/24 20:18		8/26/24 20:59		8/26/24 21:39	
QC Batch No.:	240826MS2A1		240826MS2A1		240826MS2A1		240826MS2A1	
Analyst Initials:	RC		RC		RC		RC	
Dilution Factor:	1.9		2.2		3.2		2.0	
ANALYTE	Result ppbv	RL ppbv	Result ppbv	RL ppbv	Result ppbv	RL ppbv	Result ppbv	RL ppbv
1,1,2-Trichloroethane	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Tetrachloroethene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
2-Hexanone	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Dibromochloromethane	ND	1.9	ND	2.2	ND	3.2	ND	2.0
1,2-Dibromoethane	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Chlorobenzene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Ethylbenzene	3.6	1.9	2.3	2.2	ND	3.2	ND	2.0
p,&m-Xylene	10	1.9	5.1	2.2	3.2	3.2	2.4	2.0
o-Xylene	3.7	1.9	ND	2.2	ND	3.2	ND	2.0
Styrene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Bromoform	ND	1.9	ND	2.2	ND	3.2	ND	2.0
1,1,2,2-Tetrachloroethane	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Benzyl Chloride	ND	1.9	ND	2.2	ND	3.2	ND	2.0
4-Ethyl Toluene	3.0	1.9	ND	2.2	ND	3.2	ND	2.0
1,3,5-Trimethylbenzene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
1,2,4-Trimethylbenzene	4.0	1.9	ND	2.2	ND	3.2	ND	2.0
1,3-Dichlorobenzene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
1,4-Dichlorobenzene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
1,2-Dichlorobenzene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
1,2,4-Trichlorobenzene	ND	1.9	ND	2.2	ND	3.2	ND	2.0
Hexachlorobutadiene	ND	1.9	ND	2.2	ND	3.2	ND	2.0

RL = Reporting Limit
ND = Not Detected (below RL)

Reviewed/Approved By: _____ Date 8/28/24
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

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Client: TRC
Attn: Jose Maldonado
Project Name: BNSF - Lone Oak - Phase II
Project No.: 596818.0000.0000
Date Received: 08/23/24
Matrix: Air
Reporting Units: ppbv

EPA Method TO15

Lab No.:	R082306-05
Client Sample I.D.:	SSV-1-DUP
Date/Time Sampled:	8/22/24 11:28
Date/Time Analyzed:	8/26/24 22:20
QC Batch No.:	240826MS2A1
Analyst Initials:	RC
Dilution Factor:	1.9

ANALYTE	Result ppbv	RL ppbv
Dichlorodifluoromethane (12)	ND	1.9
Chloromethane	ND	1.9
1,2-Cl-1,1,2,2-F ethane (114)	ND	1.9
Vinyl Chloride	ND	1.9
Bromomethane	ND	1.9
Chloroethane	ND	1.9
Trichlorofluoromethane (11)	2.0	1.9
1,1-Dichloroethene	ND	1.9
Carbon Disulfide	3.7	1.9
1,1,2-Cl 1,2,2-F ethane (113)	ND	1.9
Acetone	41	1.9
Methylene Chloride	ND	1.9
t-1,2-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	1.9
Vinyl Acetate	ND	1.9
c-1,2-Dichloroethene	ND	1.9
2-Butanone	120	3.7
t-Butyl Methyl Ether (MTBE)	ND	1.9
Chloroform	22	1.9
1,1,1-Trichloroethane	ND	1.9
Carbon Tetrachloride	ND	1.9
Benzene	ND	1.9
1,2-Dichloroethane	ND	1.9
Trichloroethene	ND	1.9
1,2-Dichloropropane	ND	1.9
Bromodichloromethane	2.0	1.9
c-1,3-Dichloropropene	ND	1.9
4-Methyl-2-Pentanone	2.6	1.9
Toluene	2.1	1.9
t-1,3-Dichloropropene	ND	1.9

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Client: TRC
Attn: Jose Maldonado
Project Name: BNSF - Lone Oak - Phase II
Project No.: 596818.0000.0000
Date Received: 08/23/24
Matrix: Air
Reporting Units: ppbv

EPA Method TO15

Lab No.:	R082306-05
Client Sample I.D.:	SSV-1-DUP
Date/Time Sampled:	8/22/24 11:28
Date/Time Analyzed:	8/26/24 22:20
QC Batch No.:	240826MS2A1
Analyst Initials:	RC
Dilution Factor:	1.9

ANALYTE	Result ppbv	RL ppbv
1,1,2-Trichloroethane	ND	1.9
Tetrachloroethene	ND	1.9
2-Hexanone	ND	1.9
Dibromochloromethane	ND	1.9
1,2-Dibromoethane	ND	1.9
Chlorobenzene	ND	1.9
Ethylbenzene	ND	1.9
p,&m-Xylene	2.4	1.9
o-Xylene	ND	1.9
Styrene	ND	1.9
Bromoform	ND	1.9
1,1,2,2-Tetrachloroethane	ND	1.9
Benzyl Chloride	ND	1.9
4-Ethyl Toluene	ND	1.9
1,3,5-Trimethylbenzene	ND	1.9
1,2,4-Trimethylbenzene	ND	1.9
1,3-Dichlorobenzene	ND	1.9
1,4-Dichlorobenzene	ND	1.9
1,2-Dichlorobenzene	ND	1.9
1,2,4-Trichlorobenzene	ND	1.9
Hexachlorobutadiene	ND	1.9

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Reviewed/Approved By: _____ Date 8/28/24
Mark Johnson
Operations Manager

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Client: TRC
Attn: Jose Maldonado
Project Name: BNSF - Lone Oak - Phase II
Project No.: 596818.0000.0000
Date Received: 08/23/24
Matrix: Air
Reporting Units: ppbv

EPA Method TO15

Lab No.:	METHJOD_BLANI							
Client Sample I.D.:	--							
Date/Time Sampled:	--							
Date/Time Analyzed:	8/26/24 12:07							
QC Batch No.:	240826MS2A1							
Analyst Initials:	RC							
Dilution Factor:	0.20							

ANALYTE	Result ppbv	RL ppbv						
Dichlorodifluoromethane (12)	ND	0.20						
Chloromethane	ND	0.20						
1,2-Cl-1,1,2,2-F ethane (114)	ND	0.20						
Vinyl Chloride	ND	0.20						
Bromomethane	ND	0.20						
Chloroethane	ND	0.20						
Trichlorofluoromethane (11)	ND	0.20						
1,1-Dichloroethene	ND	0.20						
Carbon Disulfide	ND	0.20						
1,1,2-Cl 1,2,2-F ethane (113)	ND	0.20						
Acetone	ND	0.20						
Methylene Chloride	ND	0.20						
t-1,2-Dichloroethene	ND	0.20						
1,1-Dichloroethane	ND	0.20						
Vinyl Acetate	ND	0.20						
c-1,2-Dichloroethene	ND	0.20						
2-Butanone	ND	0.40						
t-Butyl Methyl Ether (MTBE)	ND	0.20						
Chloroform	ND	0.20						
1,1,1-Trichloroethane	ND	0.20						
Carbon Tetrachloride	ND	0.20						
Benzene	ND	0.20						
1,2-Dichloroethane	ND	0.20						
Trichloroethene	ND	0.20						
1,2-Dichloropropane	ND	0.20						
Bromodichloromethane	ND	0.20						
c-1,3-Dichloropropene	ND	0.20						
4-Methyl-2-Pentanone	ND	0.20						
Toluene	ND	0.20						
t-1,3-Dichloropropene	ND	0.20						

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Client: TRC
Attn: Jose Maldonado
Project Name: BNSF - Lone Oak - Phase II
Project No.: 596818.0000.0000
Date Received: 08/23/24
Matrix: Air
Reporting Units: ppbv

EPA Method TO15

Lab No.:	METHJOD_BLANI
Client Sample I.D.:	--
Date/Time Sampled:	--
Date/Time Analyzed:	8/26/24 12:07
QC Batch No.:	240826MS2A1
Analyst Initials:	RC
Dilution Factor:	0.20

ANALYTE	Result ppbv	RL ppbv
1,1,2-Trichloroethane	ND	0.20
Tetrachloroethene	ND	0.20
2-Hexanone	ND	0.20
Dibromochloromethane	ND	0.20
1,2-Dibromoethane	ND	0.20
Chlorobenzene	ND	0.20
Ethylbenzene	ND	0.20
p,&m-Xylene	ND	0.20
o-Xylene	ND	0.20
Styrene	ND	0.20
Bromoform	ND	0.20
1,1,2,2-Tetrachloroethane	ND	0.20
Benzyl Chloride	ND	0.20
4-Ethyl Toluene	ND	0.20
1,3,5-Trimethylbenzene	ND	0.20
1,2,4-Trimethylbenzene	ND	0.20
1,3-Dichlorobenzene	ND	0.20
1,4-Dichlorobenzene	ND	0.20
1,2-Dichlorobenzene	ND	0.20
1,2,4-Trichlorobenzene	ND	0.20
Hexachlorobutadiene	ND	0.20

RL = Reporting Limit
ND = Not Detected (below RL)

Reviewed/Approved By: _____ **Date** 8/28/24
Mark Johnson
Operations Manager

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18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 240826MS2A1

Matrix: Air

Reporting Units: ppbv

EPA Method TO-15
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date/Time Analyzed:	8/26/24 12:07			8/26/24 10:51		8/26/24 11:29					
Analyst Initials:	RC			RC		RC					
Dilution Factor:	0.20			1.0		1.0					
ANALYTE	Result ppbv	RL ppbv	AMT. ppbv	Result ppbv	% Rec.	Result ppbv	% Rec.	RPD	Low %Rec	High %Rec	Max. RPD
1,1-Dichloroethene	ND	0.20	10	12.1	121	11.5	115	5.1	70	130	30
Methylene Chloride	ND	0.20	10	11.7	117	11.4	114	2.4	70	130	30
Trichloroethene	ND	0.20	10	9.97	100	9.68	97	3.0	70	130	30
Toluene	ND	0.20	10	10.1	101	9.89	99	2.0	70	130	30
1,1,2,2-Tetrachloroethane	ND	0.20	10	9.15	92	9.33	93	1.9	70	130	30

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____ **Date:** 8/28/24

Mark Johnson
Operations Manager

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