Universal Engineering Sciences (UES)
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December 19, 2024 UES PR No. A24165.00394.000

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Subject: Summary Report of Environmental Sampling and Results
Potential Arsenic and Organochlorine Pesticide Residuals in Soil
Cambridge School
12855 Black Mountain Road
San Diego, California

Mr. Hong:

Universal Engineering Services (UES) is pleased to present this summary report of environmental sampling and laboratory analytical results pertinent to the Cambridge School property in San Diego, California. Location of the subject property is shown on attached Figure 1, Site Index Map. The purpose of this report is to evaluate the presence of organochlorine pesticide (OCP) residuals and arsenic at the subject property. It is understood that the subject property is in an area where historic agricultural activities have been performed, and naturally occurring elevated arsenic concentrations are generally known to be present. This report was authorized by Mr. Brandon Hong as representative of Cambridge School via UES proposal 4830.0624.00004 dated June 20, 2024.

BACKGROUND

General The project constituents of potential concern (COPC) are organochlorine pesticide (OCP) residuals and arsenic in soil. The OCPs are likely residuals associated with historic agriculture use on the subject property and vicinity at a time prior to the late 1970s when such were banned. Arsenic is a naturally occurring metalloid in numerous areas within the San Diego region and southwest United States in general. Following is a brief discussion of these COPCs.

Organochlorinated Pesticide Residuals: The project site has been bulk graded but does not currently support structures. Future plans call for precise grading that would include excavation on the east approximate one-quarter of the Cambridge School to support an underground parking structure with overlying gymnasium. Depth of excavation is anticipated to be up to approximately 15 feet as necessary for the parking structure. It is understood from Geocon (March 20, 2023) that general grading of the subject property and vicinity resulted in OCP

impacted soil to apparently be placed below a depth of 10 feet below the bulk graded elevation. Based upon mapped information of the June 5, 2013 Geocon Transmittal Letter OCP impacted soil could extend into the west approximate limit of the proposed underground structure. The Geocon Transmittal letter dated February 24, 2016 reported the laboratory results of soil samples collected within the subject property and vicinity. The report noted the presence of DDD and Toxaphene (OCP constituents) to be present at levels below selected regulatory values of concern.

Arsenic in Soil: It is the experience of UES that arsenic concentrations above levels of regulatory concern have been found in soils within the general area of the subject site. It is noteworthy that the subject property is located north and at a lower elevation than a former arsenic mine on nearby Black Mountain. The mine was abandoned in 1927 though arsenic was mined and refined there prior to the closure (Weber, 1963). Furthermore, a master's thesis by Elizabeth C. Johnson (2016) found the presence of elevated arsenic concentrations in silicic volcanic host rocks of Black Mountain that is up surface gradient and located less than two miles south of the subject property. Due to down surface gradient position and relatively close distance to Black Mountain it is likely the subject property has received arsenic rich detritus from Black Mountain.

TECHNICAL SCOPE AND SAMPLING ACTIVITIES

Five direct push sample points were placed on the east margin of the planned below ground parking structure to evaluate the presence of OCPs at that location. The probes were placed at that location as Geocon (2013 and 2016) noted that OCP impacted soils were to be placed at a depth greater than 10 feet at that location. Location of the probes and respective limit of reported OCP impacted soil are depicted on attached Subsurface Sample Location Map Figure 2. A cross section along the advanced subsurface probes is depicted on Figure 2A. The direct push probes were advanced on October 25, 2024 and extended to a depth of just above 20 feet. Thirty samples were collected from the direct push probes and analyzed for OCPs by EPA Method 8180 and arsenic by EPA Method 6010B.

Twenty near surface samples were collected on the basis of a relatively even grid superimposed on the subject property as depicted on Figure 3. Additionally, the 30 samples collected from the direct push field work were analyzed for arsenic. The near surface samples were collected on October 23, 2024 by hand means that extended to approximately one foot below existing surface grade. The collected samples were analyzed for arsenic by EPA Method 6010B.

All samples were collected by use of standard environmental protocol to include washing of all sample tools and containers with non-phosphate soap and double rinsing. Distilled water was used in the wash and rinse process. Samples were collected only by clean tools and placed in

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laboratory supplied containers under chain of custody documentation. A sealed cooler was utilized for transport of the soil samples nd chain of custody documentation to a State of California accredited laboratory. A total of 50 samples (30 from direct push and 20 from near surface sampling) were collected and transported to the laboratory in the sealed container.

3.0 LABORATORY RESULTS

The laboratory results are attached in Appendix A and constituents of potential concern (COPC) quantified are depicted on attached Table of Quantified Constituents of Potential Concern. As shown on the attached table arsenic was quantified above the laboratory practical quantification level (PQL) in all analyzed samples. The OCPs quantified were 4,4'-DDD, 4,4'-DDE, Dieldrin and Toxaphene with at least one of these constituents in all analyzed samples. All other analyzed OCPs (exclusive of 4,4'-DDD, 4,4'-DDE, Dieldrin and Toxaphene) were below the laboratory PQL and are not shown on the table Reference is directed to attached Appendix A Laboratory Results for further reference regarding the laboratory analytical reports.

4.0 FINDINGS AND CONCLUSIONS

The Constituents of Potential Concern (COPC) at the subject property are organochlorine pesticides (OCPs) and arsenic. OCPs are present on the project site and nearby graded properties likely due to the historic application of chlorinated pesticides prior to the late 1970s after which such chemicals were banned. Arsenic at the site is likely the result of detrital soil shed from nearby higher elevation Black Mountain silicic volcanic rocks that are known to typically possess concentrations of arsenic. Following is a discussion regarding organochlorinated pesticide residuals and naturally occurring arsenic on the subject property.

Organochlorinated Pesticide Residuals: The laboratory quantified the presence of organcochlorine pesticide constituents 4,4'-DDD, 4,4'-DDE, Dieldrin and Toxaphene with at least one of these constituents in all of the 30 direct push samples analyzed. All other analyzed OCPs (exclusive of 4,4'-DDD, 4,4'-DDE, Dieldrin and Toxaphene) were below the laboratory practical quantitation level. Comparison to regulatory values of the San Francisco Regional Water Quality Control Board, Environmental Screening Levels (ESLs) and USEPA Regional Screening Levels (RSLs) show the quantified OCP constituents are below levels of concern for residential properties as appropriate in a school setting. The direct push samples were collected within the volume of soil to be overexcavated and reused on site. Based upon the results of this assessment the overexcavated soils for the parking structure are below regulatory levels of concern and, accordingly may be reused on the subject site.

Arsenic in Soil: Arsenic was quantified in all samples (direct push and near surface) to be above regulatory values established as ESLs and RSLs per the San Francisco Regional Water Quality

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Control Board (ESLs)and USEPA (RSLs), respectively. The cancer risk for arsenic is 0.067 mg/kg (milligrams/kilogram) and 0.68 mg/kg by the ESLs and RSLs, respectively, in a residential setting. Non cancer risk for arsenic is 0.26 and 35 mg/kg by the ESLs and RSLs, respectively, in a residential setting. A total of 50 samples were analyzed for arsenic (20 near surface and 30 direct push samples). The quantified values ranged from 21 mg/kg in Sample B-03@11-12'to 0.55 mg/kg in Sample B-04@15-16'. The mean value of the quantified arsenic was 8.457 mg/kg with a standard deviation of 4.91. The quantified values appeared to represent a normal distribution that calculated as a 95 percent upper confidence level (UCL) results in a sample set value of 9.631 mg/kg. The 95 percent UCL of 9.631 mg/kg is not unusual for the San Diego region as a whole and likely near Black Mountain including nearby down surface gradient properties. However, it is noteworthy that some areas such as granitic rocks of Lakeside (located in the San Diego region) have much lower background arsenic values. Statistical calculations by the Department of Toxic Substance Control (2020) found that based on sampling at school sites in Los Angeles, Orange, Riverside, San Bernardino, San Diego, and SoCal (general) yielded a value of 12 mg/kg arsenic as an upper bound indication of naturally occurring arsenic. Additionally, limited soil sampling for trace elements in California (Kearny Foundation, 1996) indicated that naturally occurring arsenic concentrations in San Diego County ranged from 2.5 mg/kg to 10.4 mg/kg in Ramona series soils. Based on UES experience in the area of the project site in combination with cited literature, the quantified values of arsenic collected at the site are representative of natural background in the vicinity of the subject property. As such, the site soil may be reused on site, if desired.

3.0 LIMITATIONS AND ASSUMPTIONS

The field evaluation, laboratory testing, and results presented in this report have been conducted according to current environmental practice and the standard of care exercised by reputable consultants performing similar tasks in this area. No other warranty, expressed or implied, is made regarding this report. Variations may exist and conditions not observed or described in this report may be present. This assessment has been prepared for the project as described herein. It is not to be used by any other party or project without the express written permission of The Cambridge and UES. This report is not applicable to any variations from the project as described. UES should be notified of any variations from the content of this report, particularly if discovered during grading. Furthermore, offsite use of the sampled soils would likely require additional sampling and analyses, landfill disposal of export soils and reporting to the San Diego Regional Water Quality Control Board. UES should be notified of any import soils to the subject property as sampling and laboratory analyses of such is necessary per DTSC (2001) clean imported fill advisory.

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This report does not constitute regulatory approval as UES does not have that authority. This report is a brief presentation and summary of the field and laboratory work at the subject site. This report in part or as a whole may not meet the requirements of the California Department of Toxic Substance Control (DTSC) or a DTSC administered California Certified Unified Program Agency (CUPA), such as the County of San Diego Department of Environmental Health and Quality (DEHQ).

UES appreciates this opportunity to be of service on this project. If there are any questions regarding this report, please do not hesitate to contact the undersigned.

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES

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GFR/DTM:amc

Attachments

Figure 1	Site Index Map
Figure 2	Subsurface Sample Location Map
Figure 2A	Cross Section Subsurface Sample Locations
Figure 3	Surface Sample Location Map

Table of Quantified Constituents of Potential Concern

Appendix A Laboratory Analytical Results

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REFERENCES

California Department of Toxic Substances Control (October 2001) *Information Advisory Clean Imported Fill Material.*

California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO), December 28, 2020, *Human Health Risk Assessment (HHRA) Note Number 11, Southern California Ambient Arsenic Screening Level.*

Geocon, March 20, 2013, *Updated Limits of Toxaphene in Soil and Placement Areas, Black Mountain Ranch, North Village East, San Diego, California,* Project No. 07096-32-44.

Geocon, June 5, 2013, *Transmittal, Black Mountain Ranch (Del Sur), North Village East, San Diego, California,* Project No. 07096-32-44.

Geocon, February 14, 2016, *Transmittal of Laboratory Analysis Results, Del Sur Town Center Lots 1 and 2, San Diego, California.* Project No. 07096-32-98A.

Johnson, Elizabeth, C. 2016, *Geochemical Investigation of Anomalous Arsenic Enrichment in the Santiago Peak Volcanics of Southern California* Masters Thesis University of San Diego.

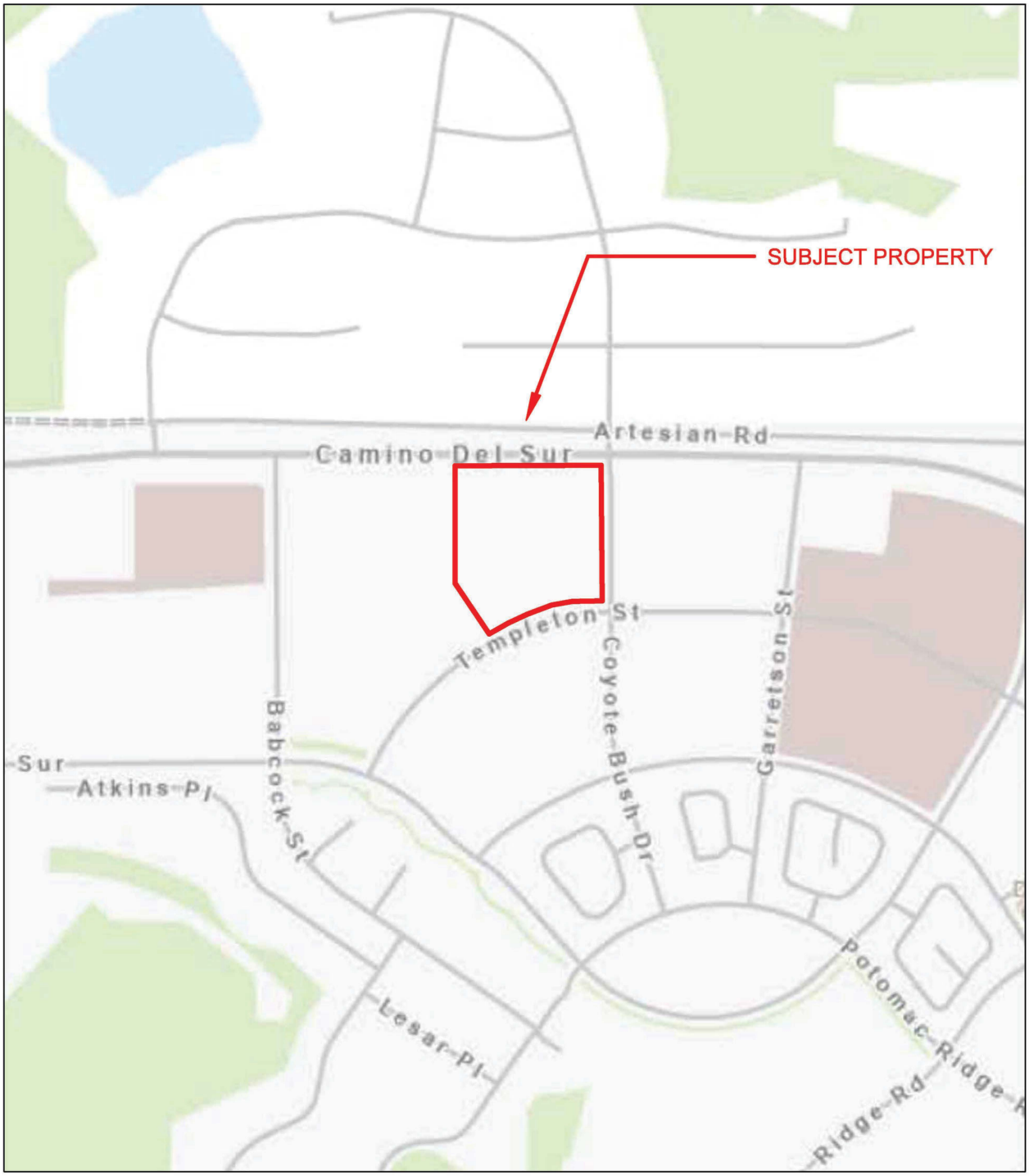
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Kennedy, M.P and Tan, SS, 2008, *Geologic Map of the San Diego 30'x60' quadrangle, California,* California Geological Survey, Regional Geologic Map RGM-3.

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Weber, F Harold Jr., *Geology and Mineral Resources of the San Diego County, California, County Report 3,* California Division of Mines and Geology, p49. (1963).

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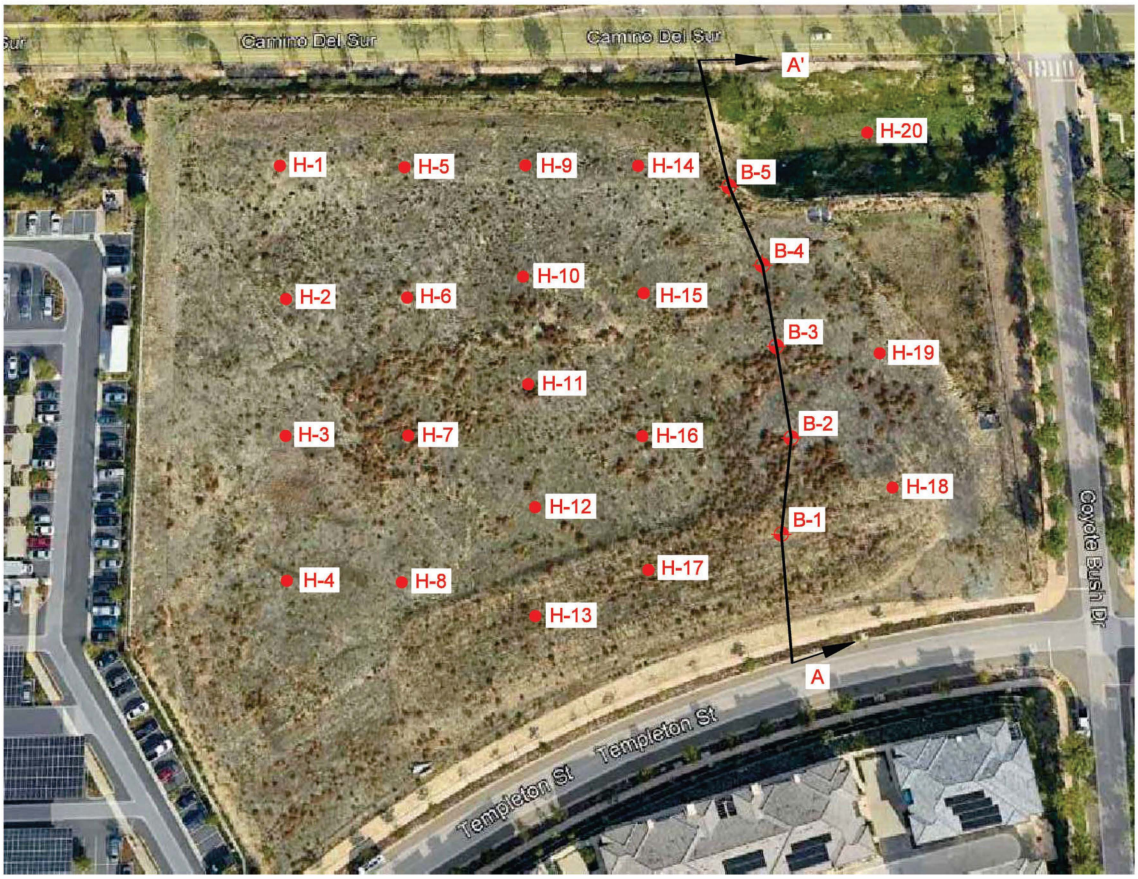
UES

SITE INDEX MAP

CAMBRIDGE SCHOOL
SW CORNER OF CAMINO DEL SUR & COYOTE BUSH DRIVE
SAN DIEGO, CALIFORNIA

SCALE:	DATE:
AS SHOWN	12/24
UES JOB NO.:	FIGURE:
A24165.00792	1

S:\Projects\A24165 Projects 2024\ENVIRO 2024\A24165.00394.000 Cambridge School PH2 ESA-ENV\ENV\Figure 1 (Index Map).dwg

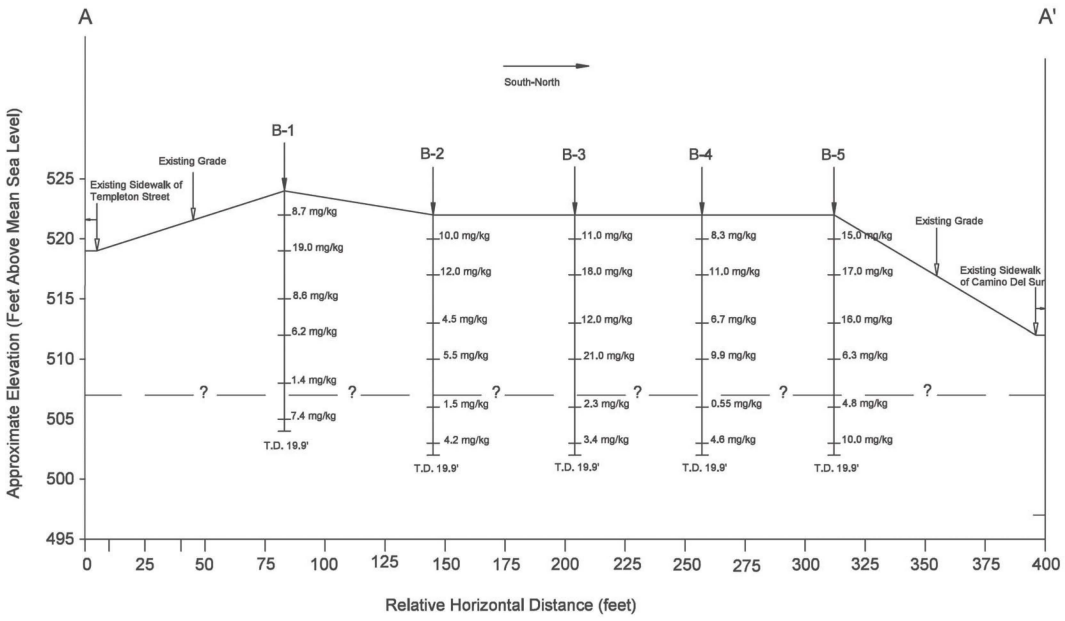


LEGEND

- ● H-20 — APPROXIMATE LOCATION OF HAND AUGERED SOIL SAMPLES
- ⊕ B-8 — APPROXIMATE LOCATION OF SOIL BORINGS
- A' — A — CROSS SECTION LOCATION

UES	SOIL SAMPLE LOCATION MAP CAMBRIDGE SCHOOL SW CORNER OF CAMINO DEL SUR & COYOTE BUSH DRIVE SAN DIEGO, CALIFORNIA	UES JOB NO: A24165.00792	
		SCALE: 1" ~ 60'	
		DATE: 12/24	FIGURE: 2

S:\Projects\A24165 Projects 2024\ENVIRO 2024\A24165.00394.000 Cambridge School PH2 ESA-ENV\ENV\Fig 2 (Soil Sample Location Map).dwg



LEGEND

B-1	APPROXIMATE LOCATION OF EXPLORATORY BORINGS
8.7 MG/KG	TOTAL CONCENTRATIONS OF ARSENIC FOR SOIL BORINGS
T.D.	TOTAL DEPTH OF BORING
—— ? ——	APPROXIMATE DEPTH OF OVEREXCAVATION

GRAPHIC SCALE
Vertical 8'
Horizontal 40'

8' 0 4' 8'

1 inch = 8 ft.
Vertical

40' 0 20' 40'

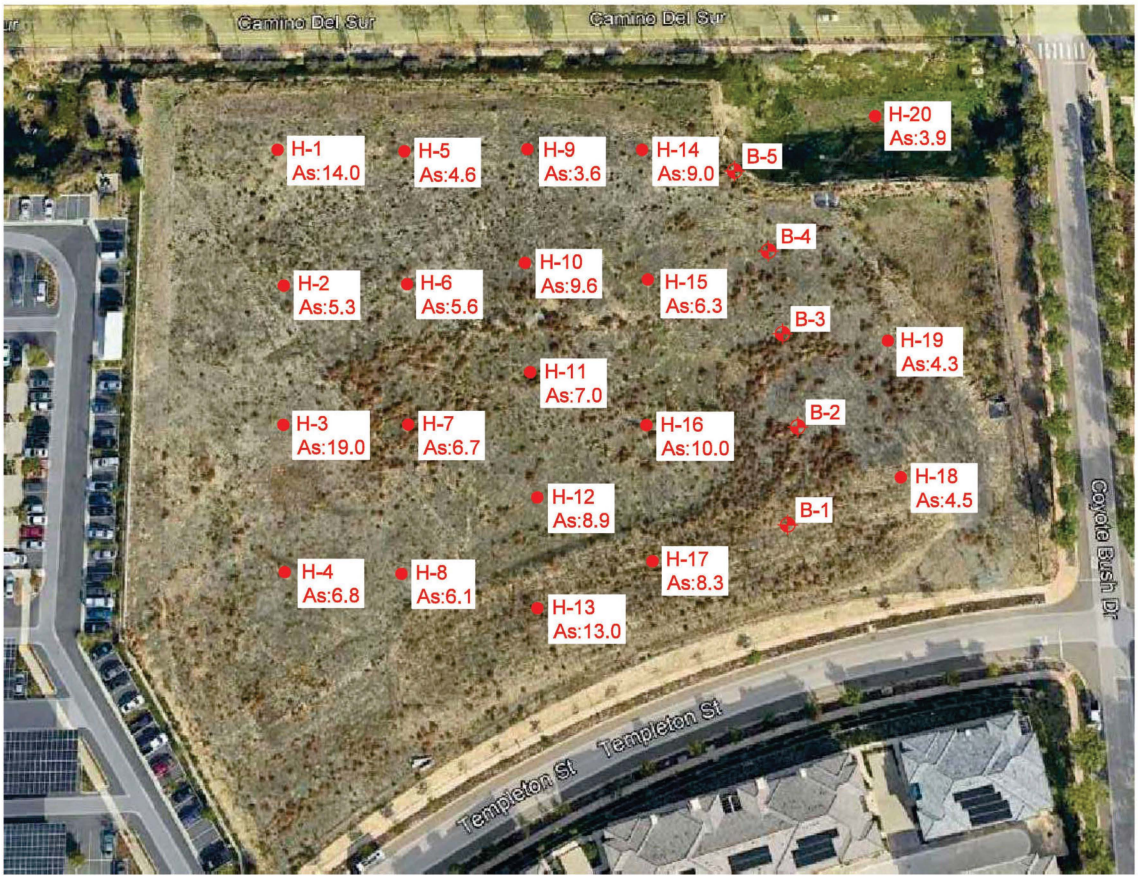
1 inch = 40 ft.
Horizontal

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CROSS SECTION A - A'
CAMBRIDGE SCHOOL
SW CORNER OF CAMINO DEL SUR & COYOTE BUSH DRIVE
SAN DIEGO, CALIFORNIA

UES JOB NO: A24165.00792
SCALE: Varies
DATE: 12/24
FIGURE: 2A

S:\Projects\A24165 Projects 2024\ENVIRO 2024\A24165.00394.000 Cambridge School PH2 ESA-ENV\ENV\Fig 2A (Cross Section).dwg



LEGEND

● H-20	APPROXIMATE LOCATION OF HAND AUGERED SOIL SAMPLES
As:14.0	APPROXIMATE LOCATION OF SOIL BORINGS
◆ B-8	APPROXIMATE LOCATION OF SOIL BORINGS

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ARSENIC CONCENTRATIONS PER SOIL SAMPLE MAP
CAMBRIDGE SCHOOL
SW CORNER OF CAMINO DEL SUR & COYOTE BUSH DRIVE
SAN DIEGO, CALIFORNIA

UES JOB NO:	A24165.00792
SCALE:	1" ~ 60'
DATE:	12/24
FIGURE:	3

S:\Projects\A24165 Projects 2024\ENVIRO 2024\A24165.00394.000 Cambridge School PH2 ESA-ENV\ENV\Fig 3 (Soil Sample Location Map).dwg

TABLE OF QUANTIFIED CONSTITUENTS OF CONCERN milligrams/kilogram (mg/kg)						
Sample Number	Arsenic	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Toxaphene
H-01	14	NA	NA	NA	NA	NA
H-02	5.3	NA	NA	NA	NA	NA
H-03	19	NA	NA	NA	NA	NA
H-04	6.8	NA	NA	NA	NA	NA
H-05	4.6	NA	NA	NA	NA	NA
H-06	5.6	NA	NA	NA	NA	NA
H-07	6.7	NA	NA	NA	NA	NA
H-08	6.1	NA	NA	NA	NA	NA
H-09	3.6	NA	NA	NA	NA	NA
H-10	9.6	NA	NA	NA	NA	NA
H-11	7.0	NA	NA	NA	NA	NA
H-12	8.9	NA	NA	NA	NA	NA
H-13	13	NA	NA	NA	NA	NA
H-14	9.0	NA	NA	NA	NA	NA
H-15	6.3	NA	NA	NA	NA	NA
H-16	10	NA	NA	NA	NA	NA
H-17	8.3	NA	NA	NA	NA	NA
H-18	4.5	NA	NA	NA	NA	NA
H-19	4.3	NA	NA	NA	NA	NA
H-20	3.9	NA	NA	NA	NA	NA
B-01@1-2'	8.7	ND	0.00087	ND	0.00038	0.017
B-01@4-5'	19	ND	0.0076	0.0024	ND	ND
B-01@8-9'	8.6	ND	0.0058	0.00056	0.0011	0.024
B-01@11-12'	6.2	ND	0.00057	0.000090	ND	ND
B-01@15-16'	1.4	ND	0.00025	ND	0.00015	ND
B-01@19-20'	7.4	0.0024	0.016	ND	ND	ND
B-02@1-2'	10	ND	0.00049	ND	0.00062	ND
B-02@4-5'	12	0.00024	0.0053	0.0028	ND	0.044
B-02@8-9'	4.5	ND	0.0047	ND	ND	0.0094
B-02@11-12'	5.5	ND	0.0010	ND	ND	0.025
B-02@15-16'	1.5	ND	0.0012	ND	ND	0.0093
B-02@19-20'	4.2	ND	0.0091	ND	ND	ND
B-03@1-2'	11	ND	0.00047	0.000085	ND	ND

B-03@4-5’	18	0.00025	0.018	0.0038	ND	0.083
B-03@8-9’	12	ND	0.021	0.0026	ND	0.085
B-03@11-12’	21	ND	0.0013	0.00030	0.00031	0.022
B-03@15-16’	2.3	ND	0.00078	0.00026	ND	ND
B-03@19-20’	3.4	ND	0.0011	0.00018	ND	0.012
B-04@1-2’	8.3	ND	0.00018	ND	ND	ND
B-04@5-6’	11	ND	0.018	0.0018	ND	0.069
B-04@9-10’	6.7	0.0015	0.035	0.0020	ND	0.081
B-04@12-13’	9.9	ND	0.0052	0.0011	ND	0.049
B-04@15-16’	0.55	ND	0.00040	ND	0.00021	ND
B-04@19-20’	4.6	ND	0.0013	ND	0.00045	ND
B-05@1-2’	15	0.0014	0.025	0.0025	0.0014	0.083
B-05@4-5’	17	0.0021	0.037	0.0040	0.0023	0.12
B-05@8-9’	16	ND	0.00090	0.00035	0.00047	ND
B-05@10-11’	6.3	0.00064	0.025	ND	ND	0.024
B-05@14-15’	4.8	ND	0.00056	0.00012	0.00042	0.014
B-05@19-20’	10	0.0011	0.078	ND	0.0029	0.039
Environmental Screening Levels (Residential) Cancer Risk	0.067	2.7	1.8	1.9	0.037	0.51
Environmental Screening Levels (Residential) Non Cancer Risk	0.26	NE	NE	37	3.5	NE
Environmental Screening Levels (Construction) Cancer Risk	2.0	81	57	8.5	0.16	2.2
Environmental Screening Levels (Construction) Non Cancer Risk	0.98	NE	NE	520	48	NE
USEPA Regional Screening Levels	0.68	2.3	2.0	1.9	0.034	0.49

(Residential) Cancer Risk						
USEPA Regional Screening Levels (Residential) Non Cancer Risk	35	32	39	37	3.2	5.7
USEPA Regional Screening Levels (Construction) Cancer Risk	3.0	9.6	9.3	8.5	0.14	2.1
USEPA Regional Screening Levels (Construction) Non Cancer Risk	480	410	580	520	41	74

NOTES:

NA is not analyzed

ND is non-detected

NE is not established

Environmental Screening Levels per San Francisco Regional Water Quality Control Board, 2019, rev. 2

Regional Screening Levels per USEPA Generic Tables November 2024

APPENDIX A

LABORATORY ANALYTICAL RESULTS

Pace Analytical®
ENVIRONMENTAL SCIENCES

Date of Report: 11/05/2024

Adam Canfield

UES - San Diego
1441 Montiel Rd. Suite 115
Escondido, CA 92026

Client Project:	50325
Pace Project:	00172609
Pace Work Order:	2417484
Invoice ID:	B507331

Enclosed are the results of analyses for samples received by the laboratory on 10/29/2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Cari Bernotas
Client Services Rep.

Steve Bennett
Operations Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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Pace Analytical®
ENVIRONMENTAL SCIENCES

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Sample Results

2417484-01 - H-01
Total Concentrations (TTLC)..... 10
2417484-02 - H-02
Total Concentrations (TTLC)..... 11
2417484-03 - H-03
Total Concentrations (TTLC)..... 12
2417484-04 - H-04
Total Concentrations (TTLC)..... 13
2417484-05 - H-05
Total Concentrations (TTLC)..... 14
2417484-06 - H-06
Total Concentrations (TTLC)..... 15
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Total Concentrations (TTLC)..... 20
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CL2 10/29/24

2417484

2417484

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT. Complete all relevant fields.

LAB USE ONLY- Affix W

Scan QR Code for instructions

Company Name:	Universal Engineering Sciences
Street Address:	1441 Montiel Rd #115, Escondido, CA 92026
Customer Project #:	A24165.00394.000
Project Name:	Cambridge School PH2 ESA
Site Collection Info/Facility ID (as applicable):	Southwest corner of Camino Del Sur & Coyote Bush Drive San Diego, CA
Time Zone Collected:	[ ] AK [X] PT [ ] MT [ ] CT [ ] ET
Data Deliverables:	[X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Contact/Report To:	Cagnei Duncan
Phone #:	661-599-0297
E-Mail:	cduncan1@teamues.com
Cc E-Mail:	acanfield@teamues.com
Invoice to:	A24165.00394.000
Invoice E-mail:	
Purchase Order # (if applicable):	A24165.00394.000
Quote #:	
County / State origin of sample(s):	San Diego, California
Regulatory Program (DW, RCRA, etc.) as applicable:	
Rush (Pre-approval required):	[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:	
DW PWSID # or WW Permit # as applicable:	
Field Filtered (if applicable):	[ ] Yes [ ] No
Analysis:	
Reportable	[ ] Yes [ ] No

Specify Container Size **: 4oz glass

Identify Container Preservative Type***: ice

Analysis Requested: EPA Method 6010B-As

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) TinCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SLD), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Sample Comment
H-01 -1	SS	Grab	10/23/24	11:15						
H-02 -2	SS	Grab	10/23/24	11:20						
H-03 -3	SS	Grab	10/23/24	11:25						
H-04 -4	SS	Grab	10/23/24	11:30						
H-05 -5	SS	Grab	10/23/24	11:35						
H-06 -6	SS	Grab	10/23/24	11:40						
H-07 -7	SS	Grab	10/23/24	11:45						
H-08 -8	SS	Grab	10/23/24	11:50						
H-09 -9	SS	Grab	10/23/24	11:55						
H-10 -10	SS	Grab	10/23/24	12:00						

CHK BY: CL2 | DISTRIBUTION | SUB-OUT

Additional Instructions from Pace*:

Collected By: Cagnei Duncan

Printed Name:

Signature: Cagnei Duncan

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
Cagnei Duncan	10/28, 1:00 pm		
		Jeff Clark	10/29/24 1042

Tracking Number:

Delivered by: [X] In-Person [ ] Courier [X] FedEx [ ] UPS [ ] Other

Page: 1 of 2

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.

ENV-FRM-CORQ-0019_v02_110123 ©

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Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant Fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Universal Engineering Sciences
Street Address:	1441 Montiel Rd #115, Escondido, CA 92026
Customer Project #:	A24165.00394.000
Project Name:	Cambridge School PH2 ESA
Site Collection Info/Facility ID (as applicable):	SW corner of Camino Del Sur & Coyote Bush Dr. San Diego, CA
Time Zone Collected:	[ ] AK [X] PT [ ] MT [ ] CT [ ] ET
Contact/Report To:	Cagnei Duncan
Phone #:	661-599-0297
E-Mail:	cduncan1@teamues.com
Cc E-Mail:	acanfield@teamues.com
Invoice to:	A24165.00394.000
Invoice E-mail:	
Purchase Order # (if applicable):	A24165.00394.000
Quote #:	
County / State origin of sample(s):	San Diego, California
Reportable	[ ] Yes [ ] No

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

4oz glass — Specify Container Size **

Ice — Identify Container Preservative Type***

Analysis Requested: EPA Method 6010 B - As

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Sample Comment
H-11 -11	SS	Grab	10/23/24	12:05						
H-12 -12	SS	Grab	10/23/24	12:10						
H-13 -13	SS	Grab	10/23/24	12:15						
H-14 -14	SS	Grab	10/23/24	12:20						
H-15 -15	SS	Grab	10/23/24	12:25						
H-16 -16	SS	Grab	10/23/24	12:30						
H-17 -17	SS	Grab	10/23/24	12:35						
H-18 -18	SS	Grab	10/23/24	12:40						
H-19 -19	SS	Grab	10/23/24	12:45						
H-20 -20	SS	Grab	10/23/24	12:50						

Additional Instructions from Pace® :

Collected By: Printed Name: Cagnei Duncan Signature: Cagnei Duncan

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature) Cagnei Duncan	Date/Time: 10/28, 1:00 pm	Received by/Company: (Signature)	Date/Time: 10/24/24 1042
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [X] In-Person [ ] Courier [X] FedEx [ ] UPS [ ] Other

Page: 2 of 2

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Chain of Custody and Cooler Receipt Form for 2417484 Page 3 of 4

PACE ANALYTICLA	COOLER RECEIPT FORM	Page 1 Of 2
Submission #:		

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐	Ice Chest ☒ None ☐ Box ☐	YES ☐ NO ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____	Other ☐ (Specify)_____	W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments: Not enough ice

Custody Seals Ice Chest ☒ Intact? Yes ☒ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☐ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 274 10/28/24 Date/Time 10/29/24

Temperature: (A) 12.2 °C / (C) 12.2 °C Analyst Init JCM 1042

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR	A	A	A	A	A	A	A	A	A	A
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:_____

Sample Numbering Completed By: JCM Date/Time: 10/29/24 1400

A = Actual / C = Corrected

Rev 23 05/20/22

[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 23]

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Chain of Custody and Cooler Receipt Form for 2417484 Page 4 of 4

PACE ANALYTICLA	COOLER RECEIPT FORM	Page 2 Of 2
Submission #:		

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐	Ice Chest ☒ None ☐ Box ☐	YES ☐ NO ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____	Other ☐ (Specify)_____	W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments: Not enough ice

Custody Seals Ice Chest ☒ Intact? Yes ☒ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☐ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 274 Date/Time 10/29/24 1041

Temperature: (A) 12.2 °C / (C) 12.2 °C Analyst Init JCM

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL - 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR	A	A	A	A	A	A	A	A	A	A
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: JCM Date/Time: 10/29/24 1408

A = Actual / C = Corrected

Rev 23 05/20/22

[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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UES - San Diego 1441 Montiel Rd. Suite 115 Escondido, CA 92026	**Reported:** 11/05/2024 9:10 Project: 00172609 Project Number: 50325 Project Manager: Adam Canfield

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2417484-01	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 11:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-01	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-02	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 11:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-02	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-03	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 11:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-03	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-04	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 11:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-04	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-05	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 11:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-05	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-06	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 11:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-06	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-07	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 11:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-07	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil

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UES - San Diego	**Reported:** 11/05/2024 9:10
1441 Montiel Rd. Suite 115	Project: 00172609
Escondido, CA 92026	Project Number: 50325
	Project Manager: Adam Canfield

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2417484-08	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 11:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-08	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-09	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 11:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-09	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-10	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 12:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-10	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-11	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 12:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-11	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-12	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 12:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-12	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-13	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 12:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-13	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-14	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 12:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-14	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil

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UES - San Diego 1441 Montiel Rd. Suite 115 Escondido, CA 92026	**Reported:** 11/05/2024 9:10 Project: 00172609 Project Number: 50325 Project Manager: Adam Canfield

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2417484-15	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 12:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-15	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-16	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 12:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-16	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-17	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 12:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-17	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-18	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 12:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-18	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-19	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 12:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-19	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2417484-20	**COC Number:**	---	**Receive Date:**	10/29/2024 10:42
	Project Number:	---	**Sampling Date:**	10/23/2024 12:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	H-20	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil

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UES - San Diego
1441 Montiel Rd. Suite 115
Escondido, CA 92026

Reported: 11/05/2024 9:10
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417484-01 | **Client Sample Name:** H-01, 10/23/2024 11:15:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**14**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 16:53	JEH	ICP6	1	B200467	EPA 3050B

DCN = Data Continuation Number

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UES - San Diego
1441 Montiel Rd. Suite 115
Escondido, CA 92026

Reported: 11/05/2024 9:10
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417484-02 | **Client Sample Name:** H-02, 10/23/2024 11:20:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**5.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:05	JEH	ICP6	0.971	B200467	EPA 3050B

DCN = Data Continuation Number

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UES - San Diego
1441 Montiel Rd. Suite 115
Escondido, CA 92026

Reported: 11/05/2024 9:10
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417484-03 | **Client Sample Name:** H-03, 10/23/2024 11:25:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**19**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:07	JEH	ICP6	0.971	B200467	EPA 3050B

DCN = Data Continuation Number

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UES - San Diego
1441 Montiel Rd. Suite 115
Escondido, CA 92026

Reported: 11/05/2024 9:10
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417484-04 | **Client Sample Name:** H-04, 10/23/2024 11:30:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**6.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:12	JEH	ICP6	0.971	B200467	EPA 3050B

DCN = Data Continuation Number

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ENVIRONMENTAL SCIENCES

UES - San Diego
1441 Montiel Rd. Suite 115
Escondido, CA 92026

Reported: 11/05/2024 9:10
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-05	**Client Sample Name:**	H-05, 10/23/2024 11:35:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**4.6**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:14	JEH	ICP6	1	B200467	EPA 3050B

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Reported: 11/05/2024 9:10
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-06	**Client Sample Name:**	H-06, 10/23/2024 11:40:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**5.6**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:16	JEH	ICP6	0.962	B200467	EPA 3050B

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-07	**Client Sample Name:**	H-07, 10/23/2024 11:45:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**6.7**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:18	JEH	ICP6	0.990	B200467	EPA 3050B

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-08	**Client Sample Name:**	H-08, 10/23/2024 11:50:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**6.1**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:20	JEH	ICP6	0.980	B200467	EPA 3050B

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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-09	**Client Sample Name:**	H-09, 10/23/2024 11:55:00AM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**3.6**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:22	JEH	ICP6	0.935	B200467	EPA 3050B

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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417484-10 | **Client Sample Name:** H-10, 10/23/2024 12:00:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**9.6**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:24	JEH	ICP6	1	B200467	EPA 3050B

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-11	**Client Sample Name:**	H-11, 10/23/2024 12:05:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**7.0**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:26	JEH	ICP6	0.943	B200467	EPA 3050B

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-12	**Client Sample Name:**	H-12, 10/23/2024 12:10:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**8.9**	**mg/kg**	**0.91**	**0.36**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:28	JEH	ICP6	0.909	B200467	EPA 3050B

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-13	**Client Sample Name:**	H-13, 10/23/2024 12:15:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**13**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:30	JEH	ICP6	0.962	B200467	EPA 3050B

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-14	**Client Sample Name:**	H-14, 10/23/2024 12:20:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**9.0**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:36	JEH	ICP6	0.990	B200467	EPA 3050B

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Reported: 11/05/2024 9:10
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-15	**Client Sample Name:**	H-15, 10/23/2024 12:25:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**6.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:38	JEH	ICP6	0.926	B200467	EPA 3050B

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Reported: 11/05/2024 9:10
Project: 00172609
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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-16	**Client Sample Name:**	H-16, 10/23/2024 12:30:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**10**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:40	JEH	ICP6	0.990	B200467	EPA 3050B

DCN = Data Continuation Number

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Reported: 11/05/2024 9:10
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-17	**Client Sample Name:**	H-17, 10/23/2024 12:35:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**8.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:42	JEH	ICP6	0.952	B200467	EPA 3050B

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Reported: 11/05/2024 9:10
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-18	**Client Sample Name:**	H-18, 10/23/2024 12:40:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**4.5**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:44	JEH	ICP6	0.952	B200467	EPA 3050B

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Reported: 11/05/2024 9:10
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417484-19	**Client Sample Name:**	H-19, 10/23/2024 12:45:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**4.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:46	JEH	ICP6	1	B200467	EPA 3050B

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Total Concentrations (TTLC)

Pace Sample ID:	2417484-20	**Client Sample Name:**	H-20, 10/23/2024 12:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**3.9**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:48	JEH	ICP6	0.935	B200467	EPA 3050B

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B200467							
Arsenic	B200467-BLK1	ND	mg/kg	1.0	0.40		1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B200467-BLK1	PB	EPA-6010B	11/04/24	11/04/24 16:49	JEH	ICP6	1

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B200467											
Arsenic	B200467-BS1	LCS	19.670	20.000	mg/kg	98.4		75 - 125			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B200467-BS1	LCS	EPA-6010B	11/04/24	11/04/24 16:51	JEH	ICP6	1

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B200467	Used client sample: Y - Description: H-01, 10/23/2024 11:15											
Arsenic	DUP	2417484-01	14.120	14.530		mg/kg	2.9		20			1
	MS	2417484-01	14.120	35.275	20.000	mg/kg		106		75 - 125		2
	MSD	2417484-01	14.120	35.050	20.000	mg/kg	0.6	105	20	75 - 125		3

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B200467-DUP1	DUP	EPA-6010B	11/04/24	11/04/24 16:55	JEH	ICP6	1
2	B200467-MS1	MS	EPA-6010B	11/04/24	11/04/24 16:59	JEH	ICP6	1
3	B200467-MSD1	MSD	EPA-6010B	11/04/24	11/04/24 17:01	JEH	ICP6	1

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Reported: 11/05/2024 9:10
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Project Number: 50325
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Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit

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Date of Report: 11/21/2024

Adam Canfield

UES - San Diego
1441 Montiel Rd. Suite 115
Escondido, CA 92026

Client Project:	50325
Pace Project:	00172609
Pace Work Order:	2417469
Invoice ID:	B507332

Enclosed are the results of analyses for samples received by the laboratory on 10/29/2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Cari Bernotas
Client Services Rep.

Steve Bennett
Operations Manager

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24-17469

2417469

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Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

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Scan QR Code for instructions

Company Name: Universal Engineering Sciences	Contact/Report To: Cagnei Duncan
Street Address: 1441 Montiel Rd #115, Escondido, CA 92026	Phone #: 661-549-0297
	E Mail: cduncan1@teamues.com
	Cc E Mail: acanfield@teamues.com
Customer Project #: AZ4165.00314.000	Invoice to: AZ4165.00314.000
Project Name: Cambridge School PH2 ESA	Invoice E-mail:
Site Collection Info/Facility ID (as applicable): SW corner of Camino Del Sur & Coyote Bush Dr. San Diego, CA	Purchase Order # (if applicable): AZ4165.00314.000
	Quote #:
Time Zone Collected: [ ] AK [X] PT [ ] MT [ ] CT [ ] ET	County / State origin of sample(s): San Diego, CA
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Pesticides (EPA 8180)	As (6010B)	Sample Comment
B-01 @ 1-2' -1	SS	Comp	10/25/24	8:00	10/25/24	8:05 am	6			X		
B-01 @ 4-5' -2	SS	Comp	10/25/24	8:00	10/25/24	8:10 am	6			X		
B-01 @ 8-9' -3	SS	Comp	10/25/24	8:00	10/25/24	8:15 am	6			X		
B-01 @ 11-12' -4	SS	Comp	10/25/24	8:00	10/25/24	8:20 am	6			X		
B-01 @ 15-16' -5	SS	Comp	10/25/24	8:00	10/25/24	8:25 am	6			X		
B-01 @ 19-20' -6	SS	Comp	10/25/24	8:00	10/25/24	8:30 am	6			X		
B-02 @ 1-2' -7	SS	Comp	10/25/24	8:45	10/25/24	8:50 am	6			X		
B-02 @ 4-5' -8	SS	Comp	10/25/24	8:45	10/25/24	8:55 am	6			X		
B-02 @ 8-9' -9	SS	Comp	10/25/24	8:45	10/25/24	9:00 am	6			X		
B-02 @ 11-12' -10	SS	Comp	10/25/24	8:45	10/25/24	9:05 am	6			X		

Specify Container Size **: ice | ice

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non conformance identified for sample:

CHK BY: TJC

DISTRIBUTION

SUB OUT [ ]

Additional Instructions from Pace® :

Collected By: Printed Name: Cagnei Duncan

Signature: Cagnei Duncan

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Cagnei Duncan	10/28, 1:00 pm	Todd L.	10/29/24 1043	
				Delivered by: [X] In-Person [ ] Courier
				[X] FedEX [ ] UPS [ ] Other
				Page: 1 of 3

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Chain of Custody and Cooler Receipt Form for 2417469 Page 2 of 6

24-17469

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document
Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Universal Engineering Sciences
Street Address: 1441 Montiel Rd #115, Escondido, CA 92026
Contact/Report To: Cagnei Duncan
Phone #: 442-399-0297
E-Mail: cduncan1@teamvies.com
Cc E-Mail: acampfield@teamvies.com
Invoice to:
Invoice E-mail:
Purchase Order # (if applicable):
Quote #:
Customer Project #: A24165.00394.000
Project Name: Cambridge School PH2 ESH
Site Collection Info/Address (as applicable): SW corner of Camino Del Sur + Coyote Bush Dr. San Diego, CA
County / State origin of sample(s): San Diego, CA
Time Zone Collected: [ ] AK [X] PT [ ] MT [ ] CT [ ] ET
Data Deliverables: Regulatory Program (DW, RCRA, etc.) as applicable:
[X] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:
Reportable [ ] Yes [ ] No

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested
Lab Use Only
Preservation non conformance identified for sample

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore (9) 90mL (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCL (5) NaOH, (6) Zn Acetate, (7) Na HSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Prog. Mfg:
AcctNum / Client ID:
Table #:
Profile / Template:
Prelog / Bottle Ord. ID:

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Pesticides (EPA 8182)	As (Lucius)	Sample Comment
B-02 @ 15-16'	-11	SS	Comp	10/25/24	8:45	10/25/24	9:10	6				
B-02 @ 19-20'	-12	SS	Comp	10/25/24	8:45	10/25/24	9:15	6				
B-03 @ 1-2'	-13	SS	Comp	10/25/24	9:30	10/25/24	9:35	6				
B-03 @ 4-5'	-14	SS	Comp	10/25/24	9:30	10/25/24	9:40	6				
B-03 @ 8-9'	-15	SS	Comp	10/25/24	9:30	10/25/24	9:45	6				
B-03 @ 11-12'	-16	SS	Comp	10/25/24	9:30	10/25/24	9:50	6				
B-03 @ 15-16'	-17	SS	Comp	10/25/24	9:30	10/25/24	9:55	6				
B-03 @ 19-20'	-18	SS	Comp	10/25/24	9:30	10/25/24	10:00	6				
B-04 @1-2'	-19	SS	Comp	10/25/24	10:15	10/25/24	10:20	6				
B-04 @5-6'	-20	SS	Comp	10/25/24	10:15	10/25/24	10:25	6				

Additional Instructions from Pace®:

Collected By: Cagnei Duncan
Printed Name
Signature

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C): Corrected Temp (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Cagnei Duncan	10/28, 1:00 pm		
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Trucking Number:
Delivered by: Pace Person [ ] Courier [X] FedEX [ ] UPS [ ] Other
Page: 2 of 3

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Chain of Custody and Cooler Receipt Form for 2417469 Page 3 of 6

24-17469

Pace® Location Requested (City/State): **CHAIN-OF-CUSTODY Analytical Request Document**

Chain of Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Universal Engineering Sciences
Street Address: 1441 Montiel Rd #115, Escondido, CA 92026
Contact/Report To: Cognei Duncan
Phone #: 661-549-0297
E Mail: cduncan3@teamues.com
Cc E Mail: aconfield@teamues.com

Customer Project #: A24165.00394.000
Project Name: Cambridge School PHZ ESA
Site Collection Info/Facility ID (if applicable): SW Corner of Camino Del Sur & Coyote Bush Dr. San Diego, CA
Invoice to: A24165.00394.000
Invoice E mail:
Purchase Order # (if applicable):
Quote #: A24165.00394.000

Specify Container Size **: 1 liter
Identify Container Preservative Type***: HCl
Analysis Requested: Pesticides (EPA 8150), As (6010B)

**Container Size: (1) 1L, (2) 500ml, (3) 350ml, (4) 125ml, (5) 100ml, (6) 40ml vial, (7) TinCore, (8) TerraCore (9) 90ml, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Ascorbic Acid, (9) Thiosulfate, (10) MeOH, (11) Other

Time Zone Collected: [ ] AK [X] PT [ ] MT [ ] CT [ ] ET
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable:
Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Lab Use Only: Acct.Num / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non conformance identified for sample: Proj. Mgr:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Blood (B), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Sample Comment
B-04 @9-10'	SS	Comp	10/25/24	10:15	10/25/24	10:30	6			
B-04 @12-13'	SS	Comp	10/25/24	10:15	10/25/24	10:35	6			
B-04 @15-16'	SS	Comp	10/25/24	10:15	10/25/24	10:40	6			
B-04 @19-20'	SS	Comp	10/25/24	10:15	10/25/24	10:45	6			
B-05 @1-2'	SS	Comp	10/25/24	11:00	10/25/24	11:05	6			
B-05 @4-5'	SS	Comp	10/25/24	11:00	10/25/24	11:10	6			
B-05 @8-9'	SS	Comp	10/25/24	11:00	10/25/24	11:15	6			
B-05 @10-11'	SS	Comp	10/25/24	11:00	10/25/24	11:20	6			
B-05 @14-15'	SS	Comp	10/25/24	11:00	10/25/24	11:25	6			
B-05 @19-20'	SS	Comp	10/25/24	11:00	10/25/24	11:30	6			

Additional Instructions from Pace*:

Collected By: Printed Name: Cognei Duncan
Signature: Cognei Duncan

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Cognei Duncan	10/28, 1:00 pm	Cognei Duncan TGU L.	10/29/24 1643
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:
Delivered by: [X] In Person [ ] Courier [X] FedEx [ ] UPS [ ] Other
Page: 3 of 3

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Chain of Custody and Cooler Receipt Form for 2417469 Page 4 of 6

PACE ANALYTICLA	COOLER RECEIPT FORM	Page 1 Of 3
Submission #: 24-17469		

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☑ Other ☐ (Specify)_____	Ice Chest ☑ None ☐ Box ☐ Other ☐ (Specify)_____	YES ☑ NO ☐ W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received		
☑ YES ☐ NO	Emissivity: 0.97 Container: N/A Thermometer ID: 366 Temperature: (A) 5.7 °C / (C) 5.7 °C	Date/Time 10/29/24 1045 Analyst Init TJL

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE	A	A	A	A	A	A	A	A	A	A
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: ~~TJL~~ VBJ Date/Time: 10/29/24 1136

A = Actual / C = Corrected TJL 10/29/24

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Pace Analytical®
ENVIRONMENTAL SCIENCES

Chain of Custody and Cooler Receipt Form for 2417469 Page 5 of 6

PACE ANALYTICLA	COOLER RECEIPT FORM	Page 2 Of 3
Submission #: 24-17469		

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☑ Other ☐ (Specify)_____	Ice Chest ☑ None ☐ Box ☐ Other ☐ (Specify)_____	YES ☑ NO ☐ W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ (Intact? Yes ☐ No ☐) Containers ☐ (Intact? Yes ☐ No ☐) None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: N1A Thermometer ID: 366

Temperature: (A) 5.2 °C / (C) 5.2 °C

Date/Time 10/29/24 1045

Analyst Init TJC

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
3oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL - 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE	A	A	A	A	A	A	A	A	A	A
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: VBI Date/Time: 10/29/24 1134

A = Actual / C = Corrected

TJC 10/29

Rev 23 05/20/22

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PACE ANALYTICLA	COOLER RECEIPT FORM	Page 3 Of 3
Submission #: 24-17469		

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☑ Other ☐ (Specify)_____	Ice Chest ☑ None ☐ Box ☐ Other ☐ (Specify)_____	YES ☑ NO ☐ W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: N/A Thermometer ID: 366

Temperature: (A) 5.7 °C / (C) 5.7 °C

Date/Time 10/29/24 1045

Analyst Init TSL

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE	A	A	A	A	A	A	A	A	A	A
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: TSL Date/Time: 10/29/24 1136

A = Actual / C = Corrected

TSL 10/29

Rev 23 05/20/22

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Pace Analytical®
ENVIRONMENTAL SCIENCES

UES - San Diego	**Reported:** 11/21/2024 16:00
1441 Montiel Rd. Suite 115	Project: 00172609
Escondido, CA 92026	Project Number: 50325
	Project Manager: Adam Canfield

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2417469-01	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 08:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-01 @ 1-2'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Duncan	**Sample Type:**	Soil
2417469-02	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 08:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-01 @ 4-5'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-03	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 08:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-01 @ 8-9'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-04	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 08:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-01 @ 11-12'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-05	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 08:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-01 @ 15-16'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-06	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 08:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-01 @ 19-20'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-07	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 08:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-02 @ 1-2'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil

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UES - San Diego	**Reported:** 11/21/2024 16:00
1441 Montiel Rd. Suite 115	Project: 00172609
Escondido, CA 92026	Project Number: 50325
	Project Manager: Adam Canfield

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2417469-08	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 08:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-02 @ 4-5'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-09	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 09:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-02 @ 8-9'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-10	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 09:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-02 @ 11-12'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-11	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 09:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-02 @ 15-16'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-12	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 09:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-02 @ 19-20'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-13	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 09:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-03 @ 1-2'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-14	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 09:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-03 @4-5'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil

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1441 Montiel Rd. Suite 115	Project: 00172609
Escondido, CA 92026	Project Number: 50325
	Project Manager: Adam Canfield

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2417469-15	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 09:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-03 @ 8-9'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-16	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 09:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-03 @ 11-12'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-17	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 09:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-03 @ 15-16'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-18	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 10:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-03 @ 19-20'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-19	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 10:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-04 @ 1-2'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-20	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 10:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-04 @ 5-6'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-21	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 10:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-04 @ 9-10'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil

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Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2417469-22	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 10:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-04 @ 12-13'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-23	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 10:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-04 @ 15-16'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-24	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 10:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-04 @ 1940'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-25	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 11:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-05 @ 1-2'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-26	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 11:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-5 @ 4-5'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-27	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 11:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-05 @8-9'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-28	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 11:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-05 @ 10-11'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil

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Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2417469-29	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 11:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-05 @ 14-15'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil
2417469-30	**COC Number:**	---	**Receive Date:**	10/29/2024 10:43
	Project Number:	---	**Sampling Date:**	10/25/2024 11:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-05 @19-20'	**Lab Matrix:**	Solids
	Sampled By:	Cagnei Dunca	**Sample Type:**	Soil

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-01 | **Client Sample Name:** B-01 @ 1-2', 10/25/2024 8:05:00AM, Cagnei Duncan

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.00087**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Dieldrin	**0.00038**	**mg/kg**	**0.00050**	**0.000069**	**EPA-8081A**	**ND**	**J**	**1**
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.017**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	69.4	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	51.0	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/04/24 22:23	JAL	GC-17	1.003	B200407	EPA 3546

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-01 | **Client Sample Name:** B-01 @ 1-2', 10/25/2024 8:05:00AM, Cagnei Duncan

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	8.7	mg/kg	1.0	0.40	EPA-6010B	ND		1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:58	JEH	ICP6	1	B200466	EPA 3050B

DCN = Data Continuation Number

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-02 | **Client Sample Name:** B-01 @ 4-5', 10/25/2024 8:10:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.0010	0.000082	EPA-8081A	ND	A10	1
alpha-BHC	ND	mg/kg	0.0010	0.000058	EPA-8081A	ND	A10	1
beta-BHC	ND	mg/kg	0.0010	0.00024	EPA-8081A	ND	A10	1
delta-BHC	ND	mg/kg	0.0010	0.00015	EPA-8081A	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0010	0.00012	EPA-8081A	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.010	0.0066	EPA-8081A	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0010	0.00015	EPA-8081A	ND	A10	1
4,4'-DDE	**0.0076**	**mg/kg**	**0.0010**	**0.00017**	**EPA-8081A**	**ND**	**A10**	**1**
4,4'-DDT	**0.0024**	**mg/kg**	**0.0010**	**0.00012**	**EPA-8081A**	**ND**	**A10**	**1**
Dieldrin	ND	mg/kg	0.0010	0.00014	EPA-8081A	ND	A10	1
Endosulfan I	ND	mg/kg	0.0010	0.00015	EPA-8081A	ND	A10	1
Endosulfan II	ND	mg/kg	0.0010	0.00013	EPA-8081A	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0010	0.00017	EPA-8081A	ND	A10	1
Endrin	ND	mg/kg	0.0010	0.000058	EPA-8081A	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0010	0.000094	EPA-8081A	ND	A10	1
Heptachlor	ND	mg/kg	0.0010	0.00010	EPA-8081A	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0010	0.00010	EPA-8081A	ND	A10	1
Methoxychlor	ND	mg/kg	0.0010	0.00012	EPA-8081A	ND	A10	1
Toxaphene	ND	mg/kg	0.020	0.0076	EPA-8081A	ND	A10	1
TCMX (Surrogate)	83.1	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	101	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/21/24 15:14	JAL	GC-17	2.027	B200407	EPA 3546

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-02 | **Client Sample Name:** B-01 @ 4-5', 10/25/2024 8:10:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	19	mg/kg	1.0	0.40	EPA-6010B	ND		1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:10	JEH	ICP6	0.971	B200466	EPA 3050B

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-03 | **Client Sample Name:** B-01 @ 8-9', 10/25/2024 8:15:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.0058**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	**0.00056**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**		**1**
Dieldrin	**0.0011**	**mg/kg**	**0.00050**	**0.000069**	**EPA-8081A**	**ND**		**1**
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.024**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	78.4	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	61.5	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/04/24 22:56	JAL	GC-17	0.997	B200407	EPA 3546

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417469-03	**Client Sample Name:**	B-01 @ 8-9', 10/25/2024 8:15:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	8.6	mg/kg	1.0	0.40	EPA-6010B	ND		1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:12	JEH	ICP6	0.952	B200466	EPA 3050B

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Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-04 | **Client Sample Name:** B-01 @ 11-12', 10/25/2024 8:20:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.00057**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	**0.000090**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**	**J**	**1**
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.010	0.0038	EPA-8081A	ND		1
TCMX (Surrogate)	56.2	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	48.7	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/04/24 23:13	JAL	GC-17	0.990	B200407	EPA 3546

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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-04 | **Client Sample Name:** B-01 @ 11-12', 10/25/2024 8:20:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**6.2**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:17	JEH	ICP6	0.935	B200466	EPA 3050B

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Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-05 | **Client Sample Name:** B-01 @ 15-16', 10/25/2024 8:25:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.00025**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**	**J**	**1**
4,4'-DDT	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Dieldrin	**0.00015**	**mg/kg**	**0.00050**	**0.000069**	**EPA-8081A**	**ND**	**J**	**1**
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.010	0.0038	EPA-8081A	ND		1
TCMX (Surrogate)	65.0	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	51.8	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/04/24 23:30	JAL	GC-17	1.007	B200407	EPA 3546

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Total Concentrations (TTLC)

Pace Sample ID: 2417469-05 | **Client Sample Name:** B-01 @ 15-16', 10/25/2024 8:25:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**1.4**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:19	JEH	ICP6	0.990	B200466	EPA 3050B

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Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-06 | **Client Sample Name:** B-01 @ 19-20', 10/25/2024 8:30:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.0025	0.00020	EPA-8081A	ND	A10	1
alpha-BHC	ND	mg/kg	0.0025	0.00014	EPA-8081A	ND	A10	1
beta-BHC	ND	mg/kg	0.0025	0.00060	EPA-8081A	ND	A10	1
delta-BHC	ND	mg/kg	0.0025	0.00038	EPA-8081A	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0025	0.00030	EPA-8081A	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.025	0.016	EPA-8081A	ND	A10	1
4,4'-DDD	**0.0024**	**mg/kg**	**0.0025**	**0.00036**	**EPA-8081A**	**ND**	**J,A10**	**1**
4,4'-DDE	**0.016**	**mg/kg**	**0.0025**	**0.00043**	**EPA-8081A**	**ND**	**A10**	**1**
4,4'-DDT	ND	mg/kg	0.0025	0.00030	EPA-8081A	ND	A10	1
Dieldrin	ND	mg/kg	0.0025	0.00034	EPA-8081A	ND	A10	1
Endosulfan I	ND	mg/kg	0.0025	0.00037	EPA-8081A	ND	A10	1
Endosulfan II	ND	mg/kg	0.0025	0.00032	EPA-8081A	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0025	0.00044	EPA-8081A	ND	A10	1
Endrin	ND	mg/kg	0.0025	0.00014	EPA-8081A	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0025	0.00024	EPA-8081A	ND	A10	1
Heptachlor	ND	mg/kg	0.0025	0.00025	EPA-8081A	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0025	0.00026	EPA-8081A	ND	A10	1
Methoxychlor	ND	mg/kg	0.0025	0.00030	EPA-8081A	ND	A10	1
Toxaphene	ND	mg/kg	0.050	0.019	EPA-8081A	ND	A10	1
TCMX (Surrogate)	64.3	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	160	%	40 - 130 (LCL - UCL)		EPA-8081A		S09	1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/21/24 14:40	JAL	GC-17	4.934	B200407	EPA 3546

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Pace Sample ID: 2417469-06 | **Client Sample Name:** B-01 @ 19-20', 10/25/2024 8:30:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	7.4	mg/kg	1.0	0.40	EPA-6010B	ND		1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:21	JEH	ICP6	1	B200466	EPA 3050B

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Reported: 11/21/2024 16:00
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Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-07 | **Client Sample Name:** B-02 @ 1-2', 10/25/2024 8:50:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.00049**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**	**J**	**1**
4,4'-DDT	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Dieldrin	**0.00062**	**mg/kg**	**0.00050**	**0.000069**	**EPA-8081A**	**ND**		**1**
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.010	0.0038	EPA-8081A	ND		1
TCMX (Surrogate)	73.5	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	56.5	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 01:11	JAL	GC-17	1.010	B200407	EPA 3546

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Pace Sample ID:	2417469-07	**Client Sample Name:**	B-02 @ 1-2', 10/25/2024 8:50:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**10**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:23	JEH	ICP6	1	B200466	EPA 3050B

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Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-08 | **Client Sample Name:** B-02 @ 4-5', 10/25/2024 8:55:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	**0.00024**	**mg/kg**	**0.00050**	**0.000073**	**EPA-8081A**	**ND**	**J**	**1**
4,4'-DDE	**0.0053**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	**0.0028**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**		**1**
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.044**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	70.4	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	56.5	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 01:27	JAL	GC-17	1.003	B200407	EPA 3546

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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-08 | **Client Sample Name:** B-02 @ 4-5', 10/25/2024 8:55:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**12**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:25	JEH	ICP6	0.962	B200466	EPA 3050B

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Reported: 11/21/2024 16:00
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Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-09 | **Client Sample Name:** B-02 @ 8-9', 10/25/2024 9:00:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.0047**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.0094**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**	**J**	**1**
TCMX (Surrogate)	80.6	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	55.6	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 01:44	JAL	GC-17	1	B200407	EPA 3546

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417469-09	**Client Sample Name:**	B-02 @ 8-9', 10/25/2024 9:00:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	4.5	mg/kg	1.0	0.40	EPA-6010B	ND		1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:27	JEH	ICP6	0.935	B200466	EPA 3050B

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-10 | **Client Sample Name:** B-02 @ 11-12', 10/25/2024 9:05:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.0010**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.025**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	81.1	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	51.7	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 02:01	JAL	GC-17	0.990	B200407	EPA 3546

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Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-10 | **Client Sample Name:** B-02 @ 11-12', 10/25/2024 9:05:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**5.5**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:29	JEH	ICP6	0.962	B200466	EPA 3050B

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-11 | **Client Sample Name:** B-02 @ 15-16', 10/25/2024 9:10:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.0012**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.0093**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**	**J**	**1**
TCMX (Surrogate)	56.0	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	44.2	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 02:18	JAL	GC-17	0.984	B200407	EPA 3546

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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-11 | **Client Sample Name:** B-02 @ 15-16', 10/25/2024 9:10:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**1.5**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:31	JEH	ICP6	0.962	B200466	EPA 3050B

DCN = Data Continuation Number

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-12 | **Client Sample Name:** B-02 @ 19-20', 10/25/2024 9:15:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.0091**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.010	0.0038	EPA-8081A	ND		1
TCMX (Surrogate)	234	%	20 - 130 (LCL - UCL)		EPA-8081A		S09	1
Decachlorobiphenyl (Surrogate)	56.0	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 02:35	JAL	GC-17	1.010	B200407	EPA 3546

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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-12 | **Client Sample Name:** B-02 @ 19-20', 10/25/2024 9:15:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**4.2**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:33	JEH	ICP6	0.971	B200466	EPA 3050B

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Reported: 11/21/2024 16:00
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Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-13 | **Client Sample Name:** B-03 @ 1-2', 10/25/2024 9:35:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.00047**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**	**J**	**1**
4,4'-DDT	**0.000085**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**	**J**	**1**
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.010	0.0038	EPA-8081A	ND		1
TCMX (Surrogate)	84.6	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	52.7	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 02:51	JAL	GC-17	1.003	B200407	EPA 3546

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-13 | **Client Sample Name:** B-03 @ 1-2', 10/25/2024 9:35:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**11**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:35	JEH	ICP6	0.971	B200466	EPA 3050B

DCN = Data Continuation Number

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-14 | **Client Sample Name:** B-03 @4-5', 10/25/2024 9:40:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	**0.00025**	**mg/kg**	**0.00050**	**0.000073**	**EPA-8081A**	**ND**	**J**	**1**
4,4'-DDE	**0.018**	**mg/kg**	**0.0050**	**0.00086**	**EPA-8081A**	**ND**	**A10**	**2**
4,4'-DDT	**0.0038**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**		**1**
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.083**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	73.0	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	52.3	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 03:08	JAL	GC-17	0.997	B200407	EPA 3546
2	EPA-8081A	11/01/24 20:30	11/06/24 08:15	JAL	GC-17	9.967	B200407	EPA 3546

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Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417469-14	**Client Sample Name:**	B-03 @4-5', 10/25/2024 9:40:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	18	mg/kg	1.0	0.40	EPA-6010B	ND		1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:41	JEH	ICP6	0.917	B200466	EPA 3050B

DCN = Data Continuation Number

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-15 | **Client Sample Name:** B-03 @ 8-9', 10/25/2024 9:45:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.021**	**mg/kg**	**0.0050**	**0.00086**	**EPA-8081A**	**ND**	**A10**	**2**
4,4'-DDT	**0.0026**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**		**1**
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.085**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	70.2	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	54.0	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 03:25	JAL	GC-17	1.007	B200407	EPA 3546
2	EPA-8081A	11/01/24 20:30	11/06/24 08:32	JAL	GC-17	10.067	B200407	EPA 3546

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Reported: 11/21/2024 16:00
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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417469-15	**Client Sample Name:**	B-03 @ 8-9', 10/25/2024 9:45:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	12	mg/kg	1.0	0.40	EPA-6010B	ND		1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:43	JEH	ICP6	0.926	B200466	EPA 3050B

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Reported: 11/21/2024 16:00
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Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-16 | **Client Sample Name:** B-03 @ 11-12', 10/25/2024 9:50:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.0013**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	**0.00030**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**	**J**	**1**
Dieldrin	**0.00031**	**mg/kg**	**0.00050**	**0.000069**	**EPA-8081A**	**ND**	**J**	**1**
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.022**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	97.7	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	65.6	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 03:42	JAL	GC-17	1.014	B200407	EPA 3546

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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-16 | **Client Sample Name:** B-03 @ 11-12', 10/25/2024 9:50:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**21**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:45	JEH	ICP6	1	B200466	EPA 3050B

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Reported: 11/21/2024 16:00
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Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-17 | **Client Sample Name:** B-03 @ 15-16', 10/25/2024 9:55:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.00078**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	**0.00026**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**	**J**	**1**
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.010	0.0038	EPA-8081A	ND		1
TCMX (Surrogate)	67.2	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	52.6	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 05:05	JAL	GC-17	0.993	B200407	EPA 3546

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417469-17	**Client Sample Name:**	B-03 @ 15-16', 10/25/2024 9:55:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	2.3	mg/kg	1.0	0.40	EPA-6010B	ND		1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:47	JEH	ICP6	1	B200466	EPA 3050B

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-18 | **Client Sample Name:** B-03 @ 19-20', 10/25/2024 10:00:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.0011**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	**0.00018**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**	**J**	**1**
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.012**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	75.7	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	61.7	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 05:22	JAL	GC-17	0.993	B200407	EPA 3546

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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-18 | **Client Sample Name:** B-03 @ 19-20', 10/25/2024 10:00:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**3.4**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:49	JEH	ICP6	0.926	B200466	EPA 3050B

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Reported: 11/21/2024 16:00
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Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-19 | **Client Sample Name:** B-04 @ 1-2', 10/25/2024 10:20:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.00018**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**	**J**	**1**
4,4'-DDT	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.010	0.0038	EPA-8081A	ND		1
TCMX (Surrogate)	74.5	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	49.7	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 05:39	JAL	GC-17	1	B200407	EPA 3546

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-19 | **Client Sample Name:** B-04 @ 1-2', 10/25/2024 10:20:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**8.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:51	JEH	ICP6	1	B200466	EPA 3050B

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-20 | **Client Sample Name:** B-04 @ 5-6', 10/25/2024 10:25:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.018**	**mg/kg**	**0.0050**	**0.00086**	**EPA-8081A**	**ND**	**A10**	**2**
4,4'-DDT	**0.0018**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**		**1**
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.069**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	68.3	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	53.7	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 20:30	11/05/24 05:56	JAL	GC-17	1.003	B200407	EPA 3546
2	EPA-8081A	11/01/24 20:30	11/06/24 08:49	JAL	GC-17	10.033	B200407	EPA 3546

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Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-20 | **Client Sample Name:** B-04 @ 5-6', 10/25/2024 10:25:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**11**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 18:53	JEH	ICP6	0.935	B200466	EPA 3050B

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-21 | **Client Sample Name:** B-04 @ 9-10', 10/25/2024 10:30:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	**0.0015**	**mg/kg**	**0.00050**	**0.000073**	**EPA-8081A**	**ND**		**1**
4,4'-DDE	**0.035**	**mg/kg**	**0.0025**	**0.00043**	**EPA-8081A**	**ND**	**A10**	**2**
4,4'-DDT	**0.0020**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**		**1**
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.081**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	59.0	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	64.4	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 21:00	11/06/24 02:06	JAL	GC-17	1	B200408	EPA 3546
2	EPA-8081A	11/01/24 21:00	11/06/24 17:35	JAL	GC-17	5	B200408	EPA 3546

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417469-21	**Client Sample Name:**	B-04 @ 9-10', 10/25/2024 10:30:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**6.7**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:15	11/04/24 17:35	JEH	ICP5	0.990	B200464	EPA 3050B

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Reported: 11/21/2024 16:00
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Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-22 | **Client Sample Name:** B-04 @ 12-13', 10/25/2024 10:35:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.0052**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	**0.0011**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**		**1**
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.049**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	54.7	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	53.9	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 21:00	11/06/24 02:23	JAL	GC-17	1.003	B200408	EPA 3546

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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-22 | **Client Sample Name:** B-04 @ 12-13', 10/25/2024 10:35:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**9.9**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:15	11/04/24 17:37	JEH	ICP5	0.990	B200464	EPA 3050B

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Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-23 | **Client Sample Name:** B-04 @ 15-16', 10/25/2024 10:40:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.00040**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**	**J**	**1**
4,4'-DDT	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Dieldrin	**0.00021**	**mg/kg**	**0.00050**	**0.000069**	**EPA-8081A**	**ND**	**J**	**1**
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.010	0.0038	EPA-8081A	ND		1
TCMX (Surrogate)	63.5	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	56.9	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 21:00	11/06/24 02:40	JAL	GC-17	1.007	B200408	EPA 3546

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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-23 | **Client Sample Name:** B-04 @ 15-16', 10/25/2024 10:40:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**0.55**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**	**J**	**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:15	11/04/24 17:39	JEH	ICP5	0.926	B200464	EPA 3050B

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Reported: 11/21/2024 16:00
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Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-24 | **Client Sample Name:** B-04 @ 1940', 10/25/2024 10:45:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.0013**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Dieldrin	**0.00045**	**mg/kg**	**0.00050**	**0.000069**	**EPA-8081A**	**ND**	**J**	**1**
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.010	0.0038	EPA-8081A	ND		1
TCMX (Surrogate)	68.9	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	63.1	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 21:00	11/06/24 02:57	JAL	GC-17	0.984	B200408	EPA 3546

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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-24 | **Client Sample Name:** B-04 @ 1940', 10/25/2024 10:45:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**4.6**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:15	11/04/24 17:41	JEH	ICP5	0.943	B200464	EPA 3050B

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-25 | **Client Sample Name:** B-05 @ 1-2', 10/25/2024 11:05:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	**0.0014**	**mg/kg**	**0.00050**	**0.000073**	**EPA-8081A**	**ND**		**1**
4,4'-DDE	**0.025**	**mg/kg**	**0.0025**	**0.00043**	**EPA-8081A**	**ND**	**A10**	**2**
4,4'-DDT	**0.0025**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**		**1**
Dieldrin	**0.0014**	**mg/kg**	**0.00050**	**0.000069**	**EPA-8081A**	**ND**		**1**
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.083**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	46.0	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	47.2	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 21:00	11/06/24 03:13	JAL	GC-17	0.984	B200408	EPA 3546
2	EPA-8081A	11/01/24 21:00	11/06/24 17:52	JAL	GC-17	4.918	B200408	EPA 3546

DCN = Data Continuation Number

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417469-25	**Client Sample Name:**	B-05 @ 1-2', 10/25/2024 11:05:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**15**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:15	11/04/24 17:43	JEH	ICP5	0.971	B200464	EPA 3050B

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-26 | **Client Sample Name:** B-5 @ 4-5', 10/25/2024 11:10:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	**0.0021**	**mg/kg**	**0.00050**	**0.000073**	**EPA-8081A**	**ND**		**1**
4,4'-DDE	**0.037**	**mg/kg**	**0.0025**	**0.00043**	**EPA-8081A**	**ND**	**A10**	**2**
4,4'-DDT	**0.0040**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**		**1**
Dieldrin	**0.0023**	**mg/kg**	**0.00050**	**0.000069**	**EPA-8081A**	**ND**		**1**
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.12**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	59.9	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	60.5	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 21:00	11/06/24 04:37	JAL	GC-17	1.003	B200408	EPA 3546
2	EPA-8081A	11/01/24 21:00	11/06/24 18:08	JAL	GC-17	5.017	B200408	EPA 3546

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Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417469-26	**Client Sample Name:**	B-5 @ 4-5', 10/25/2024 11:10:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**17**	**mg/kg**	**0.91**	**0.36**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:15	11/04/24 17:49	JEH	ICP5	0.909	B200464	EPA 3050B

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Reported: 11/21/2024 16:00
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Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-27 | **Client Sample Name:** B-05 @8-9', 10/25/2024 11:15:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.00090**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	**0.00035**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**	**J**	**1**
Dieldrin	**0.00047**	**mg/kg**	**0.00050**	**0.000069**	**EPA-8081A**	**ND**	**J**	**1**
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	ND	mg/kg	0.010	0.0038	EPA-8081A	ND		1
TCMX (Surrogate)	54.0	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	50.9	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 21:00	11/06/24 04:54	JAL	GC-17	0.993	B200408	EPA 3546

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Total Concentrations (TTLC)

Pace Sample ID: 2417469-27 | **Client Sample Name:** B-05 @8-9', 10/25/2024 11:15:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**16**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:15	11/04/24 17:51	JEH	ICP5	0.962	B200464	EPA 3050B

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Reported: 11/21/2024 16:00
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Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-28 | **Client Sample Name:** B-05 @ 10-11', 10/25/2024 11:20:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	**0.00064**	**mg/kg**	**0.00050**	**0.000073**	**EPA-8081A**	**ND**		**1**
4,4'-DDE	**0.025**	**mg/kg**	**0.0025**	**0.00043**	**EPA-8081A**	**ND**	**A10**	**2**
4,4'-DDT	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000069	EPA-8081A	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.024**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	74.2	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	52.6	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 21:00	11/06/24 05:11	JAL	GC-17	0.997	B200408	EPA 3546
2	EPA-8081A	11/01/24 21:00	11/06/24 18:25	JAL	GC-17	4.983	B200408	EPA 3546

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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID:	2417469-28	**Client Sample Name:**	B-05 @ 10-11', 10/25/2024 11:20:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**6.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:15	11/04/24 17:53	JEH	ICP5	0.980	B200464	EPA 3050B

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Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-29 | **Client Sample Name:** B-05 @ 14-15', 10/25/2024 11:25:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000073	EPA-8081A	ND		1
4,4'-DDE	**0.00056**	**mg/kg**	**0.00050**	**0.000086**	**EPA-8081A**	**ND**		**1**
4,4'-DDT	**0.00012**	**mg/kg**	**0.00050**	**0.000060**	**EPA-8081A**	**ND**	**J**	**1**
Dieldrin	**0.00042**	**mg/kg**	**0.00050**	**0.000069**	**EPA-8081A**	**ND**	**J**	**1**
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.014**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	60.3	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	52.7	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 21:00	11/06/24 05:27	JAL	GC-17	0.990	B200408	EPA 3546

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Total Concentrations (TTLC)

Pace Sample ID:	2417469-29	**Client Sample Name:**	B-05 @ 14-15', 10/25/2024 11:25:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**4.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:15	11/04/24 17:55	JEH	ICP5	0.935	B200464	EPA 3050B

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Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Pace Sample ID: 2417469-30 | **Client Sample Name:** B-05 @19-20', 10/25/2024 11:30:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Aldrin	ND	mg/kg	0.00050	0.000041	EPA-8081A	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00012	EPA-8081A	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081A	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000061	EPA-8081A	ND		1
Chlordane (Technical)	ND	mg/kg	0.0050	0.0033	EPA-8081A	ND		1
4,4'-DDD	**0.0011**	**mg/kg**	**0.00050**	**0.000073**	**EPA-8081A**	**ND**		**1**
4,4'-DDE	**0.078**	**mg/kg**	**0.0050**	**0.00086**	**EPA-8081A**	**ND**	**A10**	**2**
4,4'-DDT	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Dieldrin	**0.0029**	**mg/kg**	**0.00050**	**0.000069**	**EPA-8081A**	**ND**		**1**
Endosulfan I	ND	mg/kg	0.00050	0.000074	EPA-8081A	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000064	EPA-8081A	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.000087	EPA-8081A	ND		1
Endrin	ND	mg/kg	0.00050	0.000029	EPA-8081A	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000047	EPA-8081A	ND		1
Heptachlor	ND	mg/kg	0.00050	0.000050	EPA-8081A	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000052	EPA-8081A	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.000060	EPA-8081A	ND		1
Toxaphene	**0.039**	**mg/kg**	**0.010**	**0.0038**	**EPA-8081A**	**ND**		**1**
TCMX (Surrogate)	137	%	20 - 130 (LCL - UCL)		EPA-8081A		S09	1
Decachlorobiphenyl (Surrogate)	55.4	%	40 - 130 (LCL - UCL)		EPA-8081A			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8081A	11/01/24 21:00	11/06/24 18:42	JAL	GC-17	1.007	B200408	EPA 3546
2	EPA-8081A	11/01/24 21:00	11/07/24 12:05	JAL	GC-17	10.067	B200408	EPA 3546

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Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Pace Sample ID: 2417469-30 | **Client Sample Name:** B-05 @19-20', 10/25/2024 11:30:00AM, Cagnei Dunca

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Arsenic	**10**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:15	11/04/24 17:57	JEH	ICP5	0.971	B200464	EPA 3050B

DCN = Data Continuation Number

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Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B200407							
Aldrin	B200407-BLK1	ND	mg/kg	0.00050	0.000041		1
alpha-BHC	B200407-BLK1	ND	mg/kg	0.00050	0.000029		1
beta-BHC	B200407-BLK1	ND	mg/kg	0.00050	0.00012		1
delta-BHC	B200407-BLK1	ND	mg/kg	0.00050	0.000076		1
gamma-BHC (Lindane)	B200407-BLK1	ND	mg/kg	0.00050	0.000061		1
Chlordane (Technical)	B200407-BLK1	ND	mg/kg	0.0050	0.0033		1
4,4'-DDD	B200407-BLK1	ND	mg/kg	0.00050	0.000073		1
4,4'-DDE	B200407-BLK1	ND	mg/kg	0.00050	0.000086		1
4,4'-DDT	B200407-BLK1	ND	mg/kg	0.00050	0.000060		1
Dieldrin	B200407-BLK1	ND	mg/kg	0.00050	0.000069		1
Endosulfan I	B200407-BLK1	ND	mg/kg	0.00050	0.000074		1
Endosulfan II	B200407-BLK1	ND	mg/kg	0.00050	0.000064		1
Endosulfan sulfate	B200407-BLK1	ND	mg/kg	0.00050	0.000087		1
Endrin	B200407-BLK1	ND	mg/kg	0.00050	0.000029		1
Endrin aldehyde	B200407-BLK1	ND	mg/kg	0.00050	0.000047		1
Heptachlor	B200407-BLK1	ND	mg/kg	0.00050	0.000050		1
Heptachlor epoxide	B200407-BLK1	ND	mg/kg	0.00050	0.000052		1
Methoxychlor	B200407-BLK1	ND	mg/kg	0.00050	0.000060		1
Toxaphene	B200407-BLK1	ND	mg/kg	0.010	0.0038		1
TCMX (Surrogate)	**B200407-BLK1**	**87.1**	%	**20 - 130 (LCL - UCL)**			1
Decachlorobiphenyl (Surrogate)	**B200407-BLK1**	**63.8**	%	**40 - 130 (LCL - UCL)**			1
QC Batch ID: B200408							
Aldrin	B200408-BLK1	ND	mg/kg	0.00050	0.000041		2
alpha-BHC	B200408-BLK1	ND	mg/kg	0.00050	0.000029		2
beta-BHC	B200408-BLK1	ND	mg/kg	0.00050	0.00012		2
delta-BHC	B200408-BLK1	ND	mg/kg	0.00050	0.000076		2
gamma-BHC (Lindane)	B200408-BLK1	ND	mg/kg	0.00050	0.000061		2
Chlordane (Technical)	B200408-BLK1	ND	mg/kg	0.0050	0.0033		2
4,4'-DDD	B200408-BLK1	ND	mg/kg	0.00050	0.000073		2
4,4'-DDE	B200408-BLK1	ND	mg/kg	0.00050	0.000086		2
4,4'-DDT	B200408-BLK1	ND	mg/kg	0.00050	0.000060		2
Dieldrin	B200408-BLK1	ND	mg/kg	0.00050	0.000069		2
Endosulfan I	B200408-BLK1	ND	mg/kg	0.00050	0.000074		2

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B200408							
Endosulfan II	B200408-BLK1	ND	mg/kg	0.00050	0.000064		2
Endosulfan sulfate	B200408-BLK1	ND	mg/kg	0.00050	0.000087		2
Endrin	B200408-BLK1	ND	mg/kg	0.00050	0.000029		2
Endrin aldehyde	B200408-BLK1	ND	mg/kg	0.00050	0.000047		2
Heptachlor	B200408-BLK1	ND	mg/kg	0.00050	0.000050		2
Heptachlor epoxide	B200408-BLK1	ND	mg/kg	0.00050	0.000052		2
Methoxychlor	B200408-BLK1	ND	mg/kg	0.00050	0.000060		2
Toxaphene	B200408-BLK1	ND	mg/kg	0.010	0.0038		2
TCMX (Surrogate)	**B200408-BLK1**	**82.8**	%	**20 - 130 (LCL - UCL)**			2
Decachlorobiphenyl (Surrogate)	**B200408-BLK1**	**62.4**	%	**40 - 130 (LCL - UCL)**			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B200407-BLK1	PB	EPA-8081A	11/01/24	11/04/24 21:16	JAL	GC-17	1.014
2	B200408-BLK1	PB	EPA-8081A	11/01/24	11/06/24 00:59	JAL	GC-17	1.017

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Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B200407											
Aldrin	B200407-BS1	LCS	0.0036607	0.0049505	mg/kg	73.9		70 - 130			1
alpha-BHC	B200407-BS1	LCS	0.0036802	0.0049505	mg/kg	74.3		60 - 130			1
beta-BHC	B200407-BS1	LCS	0.0042917	0.0049505	mg/kg	86.7		30 - 130			1
delta-BHC	B200407-BS1	LCS	0.0036729	0.0049505	mg/kg	74.2		60 - 130			1
gamma-BHC (Lindane)	B200407-BS1	LCS	0.0035594	0.0049505	mg/kg	71.9		60 - 130			1
4,4'-DDD	B200407-BS1	LCS	0.0033528	0.0049505	mg/kg	67.7		60 - 130			1
4,4'-DDE	B200407-BS1	LCS	0.0035327	0.0049505	mg/kg	71.4		60 - 130			1
4,4'-DDT	B200407-BS1	LCS	0.0034063	0.0049505	mg/kg	68.8		60 - 130			1
Dieldrin	B200407-BS1	LCS	0.0035416	0.0049505	mg/kg	71.5		70 - 130			1
Endosulfan I	B200407-BS1	LCS	0.0036175	0.0049505	mg/kg	73.1		60 - 130			1
Endosulfan II	B200407-BS1	LCS	0.0036845	0.0049505	mg/kg	74.4		60 - 130			1
Endosulfan sulfate	B200407-BS1	LCS	0.0033865	0.0049505	mg/kg	68.4		60 - 130			1
Endrin	B200407-BS1	LCS	0.0037195	0.0049505	mg/kg	75.1		60 - 130			1
Endrin aldehyde	B200407-BS1	LCS	0.0030518	0.0049505	mg/kg	61.6		60 - 130			1
Heptachlor	B200407-BS1	LCS	0.0036129	0.0049505	mg/kg	73.0		60 - 130			1
Heptachlor epoxide	B200407-BS1	LCS	0.0035380	0.0049505	mg/kg	71.5		60 - 130			1
Methoxychlor	B200407-BS1	LCS	0.0034422	0.0049505	mg/kg	69.5		60 - 130			1
TCMX (Surrogate)	B200407-BS1	LCS	0.0083558	0.0099010	mg/kg	84.4		20 - 130			1
Decachlorobiphenyl (Surrogate)	B200407-BS1	LCS	0.012275	0.019802	mg/kg	62.0		40 - 130			1
QC Batch ID: B200408											
Aldrin	B200408-BS1	LCS	0.0037853	0.0050000	mg/kg	75.7		70 - 130			2
alpha-BHC	B200408-BS1	LCS	0.0037487	0.0050000	mg/kg	75.0		60 - 130			2
beta-BHC	B200408-BS1	LCS	0.0036580	0.0050000	mg/kg	73.2		30 - 130			2
delta-BHC	B200408-BS1	LCS	0.0039360	0.0050000	mg/kg	78.7		60 - 130			2
gamma-BHC (Lindane)	B200408-BS1	LCS	0.0038007	0.0050000	mg/kg	76.0		60 - 130			2
4,4'-DDD	B200408-BS1	LCS	0.0037643	0.0050000	mg/kg	75.3		60 - 130			2
4,4'-DDE	B200408-BS1	LCS	0.0037693	0.0050000	mg/kg	75.4		60 - 130			2
4,4'-DDT	B200408-BS1	LCS	0.0037410	0.0050000	mg/kg	74.8		60 - 130			2
Dieldrin	B200408-BS1	LCS	0.0038090	0.0050000	mg/kg	76.2		70 - 130			2
Endosulfan I	B200408-BS1	LCS	0.0038120	0.0050000	mg/kg	76.2		60 - 130			2
Endosulfan II	B200408-BS1	LCS	0.0037673	0.0050000	mg/kg	75.3		60 - 130			2
Endosulfan sulfate	B200408-BS1	LCS	0.0039207	0.0050000	mg/kg	78.4		60 - 130			2
Endrin	B200408-BS1	LCS	0.0040203	0.0050000	mg/kg	80.4		60 - 130			2

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Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B200408											
Endrin aldehyde	B200408-BS1	LCS	0.0029337	0.0050000	mg/kg	58.7		60 - 130		L01	2
Heptachlor	B200408-BS1	LCS	0.0038273	0.0050000	mg/kg	76.5		60 - 130			2
Heptachlor epoxide	B200408-BS1	LCS	0.0037637	0.0050000	mg/kg	75.3		60 - 130			2
Methoxychlor	B200408-BS1	LCS	0.0039713	0.0050000	mg/kg	79.4		60 - 130			2
TCMX (Surrogate)	B200408-BS1	LCS	0.0078843	0.010000	mg/kg	78.8		20 - 130			2
Decachlorobiphenyl (Surrogate)	B200408-BS1	LCS	0.015312	0.020000	mg/kg	76.6		40 - 130			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B200407-BS1	LCS	EPA-8081A	11/01/24	11/04/24 21:33	JAL	GC-17	0.990
2	B200408-BS1	LCS	EPA-8081A	11/01/24	11/06/24 01:16	JAL	GC-17	1

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Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B200407	Used client sample: Y - Description: B-01 @ 1-2', 10/25/2024 08:05											
Aldrin	MS	2417469-01	ND	0.0038175	0.0049669	mg/kg		76.9		50 - 140		1
	MSD	2417469-01	ND	0.0035836	0.0050167	mg/kg	6.3	71.4	30	50 - 140		2
alpha-BHC	MS	2417469-01	ND	0.0039450	0.0049669	mg/kg		79.4		50 - 140		1
	MSD	2417469-01	ND	0.0033686	0.0050167	mg/kg	15.8	67.1	30	50 - 140		2
beta-BHC	MS	2417469-01	ND	0.0051073	0.0049669	mg/kg		103		30 - 140		1
	MSD	2417469-01	ND	0.0043328	0.0050167	mg/kg	16.4	86.4	30	30 - 140		2
delta-BHC	MS	2417469-01	ND	0.0036348	0.0049669	mg/kg		73.2		50 - 140		1
	MSD	2417469-01	ND	0.0035064	0.0050167	mg/kg	3.6	69.9	30	50 - 140		2
gamma-BHC (Lindane)	MS	2417469-01	ND	0.0037132	0.0049669	mg/kg		74.8		50 - 140		1
	MSD	2417469-01	ND	0.0032880	0.0050167	mg/kg	12.1	65.5	30	50 - 140		2
4,4'-DDD	MS	2417469-01	ND	0.0034331	0.0049669	mg/kg		69.1		50 - 140		1
	MSD	2417469-01	ND	0.0032903	0.0050167	mg/kg	4.2	65.6	30	50 - 140		2
4,4'-DDE	MS	2417469-01	0.00087258	0.0043387	0.0049669	mg/kg		69.8		50 - 140		1
	MSD	2417469-01	0.00087258	0.0042950	0.0050167	mg/kg	1.0	68.2	30	50 - 140		2
4,4'-DDT	MS	2417469-01	ND	0.0036444	0.0049669	mg/kg		73.4		50 - 140		1
	MSD	2417469-01	ND	0.0034569	0.0050167	mg/kg	5.3	68.9	30	50 - 140		2
Dieldrin	MS	2417469-01	0.00038060	0.0038199	0.0049669	mg/kg		69.2		40 - 140		1
	MSD	2417469-01	0.00038060	0.0035963	0.0050167	mg/kg	6.0	64.1	30	40 - 140		2
Endosulfan I	MS	2417469-01	ND	0.0038881	0.0049669	mg/kg		78.3		50 - 140		1
	MSD	2417469-01	ND	0.0035318	0.0050167	mg/kg	9.6	70.4	30	50 - 140		2
Endosulfan II	MS	2417469-01	ND	0.0039126	0.0049669	mg/kg		78.8		50 - 140		1
	MSD	2417469-01	ND	0.0036926	0.0050167	mg/kg	5.8	73.6	30	50 - 140		2
Endosulfan sulfate	MS	2417469-01	ND	0.0034728	0.0049669	mg/kg		69.9		50 - 140		1
	MSD	2417469-01	ND	0.0033120	0.0050167	mg/kg	4.7	66.0	30	50 - 140		2
Endrin	MS	2417469-01	ND	0.0036844	0.0049669	mg/kg		74.2		50 - 140		1
	MSD	2417469-01	ND	0.0035431	0.0050167	mg/kg	3.9	70.6	30	50 - 140		2
Endrin aldehyde	MS	2417469-01	ND	0.0034182	0.0049669	mg/kg		68.8		50 - 140		1
	MSD	2417469-01	ND	0.0032217	0.0050167	mg/kg	5.9	64.2	30	50 - 140		2
Heptachlor	MS	2417469-01	ND	0.0037295	0.0049669	mg/kg		75.1		60 - 140		1
	MSD	2417469-01	ND	0.0035154	0.0050167	mg/kg	5.9	70.1	30	60 - 140		2
Heptachlor epoxide	MS	2417469-01	ND	0.0034387	0.0049669	mg/kg		69.2		50 - 140		1
	MSD	2417469-01	ND	0.0032201	0.0050167	mg/kg	6.6	64.2	30	50 - 140		2
Methoxychlor	MS	2417469-01	ND	0.0037725	0.0049669	mg/kg		76.0		50 - 140		1
	MSD	2417469-01	ND	0.0035294	0.0050167	mg/kg	6.7	70.4	30	50 - 140		2
TCMX (Surrogate)	MS	2417469-01	ND	0.0086834	0.0099338	mg/kg		87.4		20 - 130		1
	MSD	2417469-01	ND	0.0079314	0.010033	mg/kg	9.1	79.1		20 - 130		2

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Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B200407	Used client sample: Y - Description: B-01 @ 1-2', 10/25/2024 08:05											
Decachlorobiphenyl (Surrogate)	MS	2417469-01	ND	0.011030	0.019868	mg/kg		55.5		40 - 130		1
	MSD	2417469-01	ND	0.010918	0.020067	mg/kg	1.0	54.4		40 - 130		2
QC Batch ID: B200408	Used client sample: Y - Description: B-04 @ 9-10', 10/25/2024 10:30											
Aldrin	MS	2417469-21	ND	0.0040258	0.0050847	mg/kg		79.2		50 - 140		3
	MSD	2417469-21	ND	0.0043823	0.0050167	mg/kg	8.5	87.4	30	50 - 140		4
alpha-BHC	MS	2417469-21	ND	0.0036732	0.0050847	mg/kg		72.2		50 - 140		3
	MSD	2417469-21	ND	0.0035940	0.0050167	mg/kg	2.2	71.6	30	50 - 140		4
beta-BHC	MS	2417469-21	ND	0.0044278	0.0050847	mg/kg		87.1		30 - 140		3
	MSD	2417469-21	ND	0.0043913	0.0050167	mg/kg	0.8	87.5	30	30 - 140		4
delta-BHC	MS	2417469-21	ND	0.0040281	0.0050847	mg/kg		79.2		50 - 140		3
	MSD	2417469-21	ND	0.0043047	0.0050167	mg/kg	6.6	85.8	30	50 - 140		4
gamma-BHC (Lindane)	MS	2417469-21	ND	0.0034766	0.0050847	mg/kg		68.4		50 - 140		3
	MSD	2417469-21	ND	0.0038355	0.0050167	mg/kg	9.8	76.5	30	50 - 140		4
4,4'-DDD	MS	2417469-21	0.0014843	0.0053864	0.0050847	mg/kg		76.7		50 - 140		3
	MSD	2417469-21	0.0014843	0.0056552	0.0050167	mg/kg	4.9	83.1	30	50 - 140		4
4,4'-DDE	MS	2417469-21		0.028397	0.0050847	mg/kg				50 - 140		3
	MSD	2417469-21		0.028991	0.0050167	mg/kg	2.1		30	50 - 140		4
4,4'-DDT	MS	2417469-21	0.0019757	0.0056603	0.0050847	mg/kg		72.5		50 - 140		3
	MSD	2417469-21	0.0019757	0.0063431	0.0050167	mg/kg	11.4	87.1	30	50 - 140		4
Dieldrin	MS	2417469-21	ND	0.0046485	0.0050847	mg/kg		91.4		40 - 140		3
	MSD	2417469-21	ND	0.0051686	0.0050167	mg/kg	10.6	103	30	40 - 140		4
Endosulfan I	MS	2417469-21	ND	0.0030112	0.0050847	mg/kg		59.2		50 - 140		3
	MSD	2417469-21	ND	0.0028047	0.0050167	mg/kg	7.1	55.9	30	50 - 140		4
Endosulfan II	MS	2417469-21	ND	0.0052658	0.0050847	mg/kg		104		50 - 140		3
	MSD	2417469-21	ND	0.0057281	0.0050167	mg/kg	8.4	114	30	50 - 140		4
Endosulfan sulfate	MS	2417469-21	ND	0.0044895	0.0050847	mg/kg		88.3		50 - 140		3
	MSD	2417469-21	ND	0.0049863	0.0050167	mg/kg	10.5	99.4	30	50 - 140		4
Endrin	MS	2417469-21	ND	0.0059834	0.0050847	mg/kg		118		50 - 140		3
	MSD	2417469-21	ND	0.0059431	0.0050167	mg/kg	0.7	118	30	50 - 140		4
Endrin aldehyde	MS	2417469-21	ND	0.0058312	0.0050847	mg/kg		115		50 - 140		3
	MSD	2417469-21	ND	0.0060191	0.0050167	mg/kg	3.2	120	30	50 - 140		4
Heptachlor	MS	2417469-21	ND	0.0038125	0.0050847	mg/kg		75.0		60 - 140		3
	MSD	2417469-21	ND	0.0041739	0.0050167	mg/kg	9.0	83.2	30	60 - 140		4
Heptachlor epoxide	MS	2417469-21	ND	0.0045837	0.0050847	mg/kg		90.1		50 - 140		3
	MSD	2417469-21	ND	0.0050311	0.0050167	mg/kg	9.3	100	30	50 - 140		4
Methoxychlor	MS	**2417469-21**	**ND**	**0.0042610**	**0.0050847**	**mg/kg**		**83.8**		**50 - 140**		3
	MSD	**2417469-21**	**ND**	**0.0058702**	**0.0050167**	**mg/kg**	**31.8**	**117**	**30**	**50 - 140**	**Q03**	4

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Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B200408	Used client sample: Y - Description: B-04 @ 9-10', 10/25/2024 10:30											
TCMX (Surrogate)	MS	2417469-21	ND	0.0072786	0.010169	mg/kg		71.6		20 - 130		3
	MSD	2417469-21	ND	0.0072629	0.010033	mg/kg	0.2	72.4		20 - 130		4
Decachlorobiphenyl (Surrogate)	MS	2417469-21	ND	0.013082	0.020339	mg/kg		64.3		40 - 130		3
	MSD	2417469-21	ND	0.013156	0.020067	mg/kg	0.6	65.6		40 - 130		4

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B200407-MS1	MS	EPA-8081A	11/01/24	11/04/24 21:49	JAL	GC-17	0.993
2	B200407-MSD1	MSD	EPA-8081A	11/01/24	11/04/24 22:06	JAL	GC-17	1.003
3	B200408-MS1	MS	EPA-8081A	11/01/24	11/06/24 01:33	JAL	GC-17	1.017
4	B200408-MSD1	MSD	EPA-8081A	11/01/24	11/06/24 01:49	JAL	GC-17	1.003

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1441 Montiel Rd. Suite 115
Escondido, CA 92026

Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
Project Manager: Adam Canfield

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B200464							
Arsenic	B200464-BLK1	ND	mg/kg	1.0	0.40		1
QC Batch ID: B200466							
Arsenic	B200466-BLK1	ND	mg/kg	1.0	0.40		2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B200464-BLK1	PB	EPA-6010B	11/04/24	11/04/24 17:06	JEH	ICP5	1
2	B200466-BLK1	PB	EPA-6010B	11/04/24	11/04/24 17:54	JEH	ICP6	1

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Project Manager: Adam Canfield

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B200464											
Arsenic	B200464-BS1	LCS	19.185	20.000	mg/kg	95.9		75 - 125			1
	B200464-BSD1	LCSD	19.795	20.000	mg/kg	99.0	3.1	75 - 125	20		2
QC Batch ID: B200466											
Arsenic	B200466-BS1	LCS	18.940	20.000	mg/kg	94.7		75 - 125			3

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B200464-BS1	LCS	EPA-6010B	11/04/24	11/04/24 17:08	JEH	ICP5	1
2	B200464-BSD1	LCSD	EPA-6010B	11/04/24	11/04/24 17:10	JEH	ICP5	1
3	B200466-BS1	LCS	EPA-6010B	11/04/24	11/04/24 17:56	JEH	ICP6	1

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Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B200464	Used client sample: N											
Arsenic	DUP	2417661-03	2.5900	2.5700		mg/kg	0.8		20			1
	MS	2417661-03	2.5900	20.675	20.000	mg/kg		90.4		75 - 125		2
	MSD	2417661-03	2.5900	20.570	20.000	mg/kg	0.5	89.9	20	75 - 125		3
QC Batch ID: B200466	Used client sample: Y - Description: B-01 @ 1-2', 10/25/2024 08:05											
Arsenic	DUP	**2417469-01**	**8.6850**	**11.245**		**mg/kg**	**25.7**		**20**		**Q01**	4
	MS	**2417469-01**	**8.6850**	**27.950**	**20.000**	**mg/kg**		**96.3**		**75 - 125**		5
	MSD	**2417469-01**	**8.6850**	**26.420**	**20.000**	**mg/kg**	**5.6**	**88.7**	**20**	**75 - 125**		6

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B200464-DUP1	DUP	EPA-6010B	11/04/24	11/04/24 17:14	JEH	ICP5	1
2	B200464-MS1	MS	EPA-6010B	11/04/24	11/04/24 17:18	JEH	ICP5	1
3	B200464-MSD1	MSD	EPA-6010B	11/04/24	11/04/24 17:20	JEH	ICP5	1
4	B200466-DUP1	DUP	EPA-6010B	11/04/24	11/04/24 18:00	JEH	ICP6	1
5	B200466-MS1	MS	EPA-6010B	11/04/24	11/04/24 18:04	JEH	ICP6	1
6	B200466-MSD1	MSD	EPA-6010B	11/04/24	11/04/24 18:06	JEH	ICP6	1

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Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A10	Detection and quantitation limits were raised due to matrix interference.
L01	The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.
Q01	Sample precision is not within the control limits.
Q03	Matrix spike recovery(s) was(were) not within the control limits.
S09	The surrogate recovery for this compound was not within the control limits.