



December 19, 2024

UES PR No. A24165.00394.000

Brandon Hong, Business Manager
The Cambridge School
12855 Black Mountain Road
San Diego, California 92129
Phone 858.484.3488
Email: bhong@cambridgeclassical.org
Cc: erin@hamannco.com;
gregg@hamannco.com; scottckim@gmail.com

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

laboratory supplied containers under chain of custody documentation. A sealed cooler was utilized for transport of the soil samples and 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 organochlorine 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

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.

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



Gregory F. Rzonca, CEG #1191
Certified Engineering Geologist



Dan T. Math RCE #61013
Principal Engineer



GFR/DTM:amc

Attachments

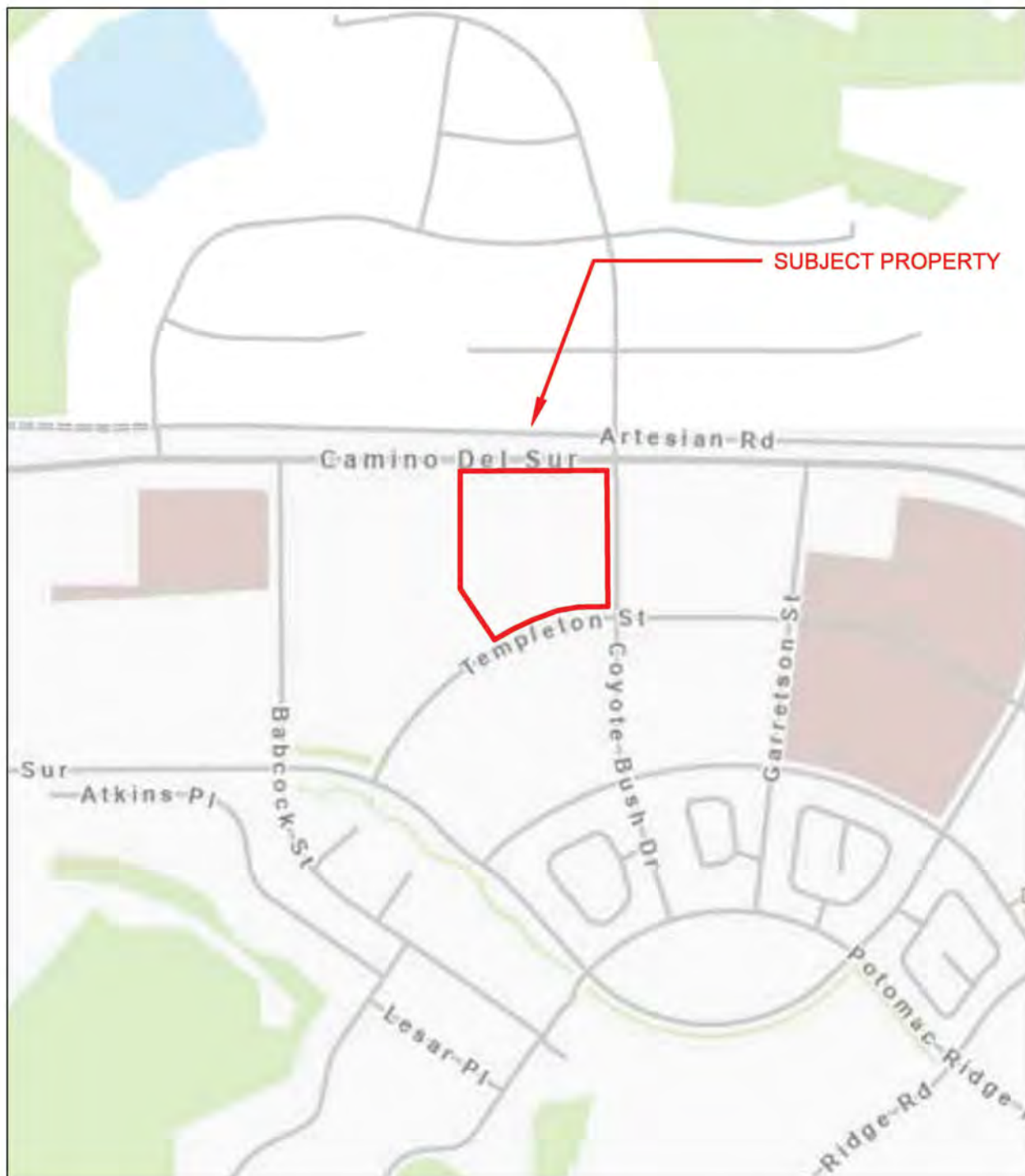
- | | |
|-----------|---|
| Figure 1 | Site Index Map |
| Figure 2 | Subsurface Sample Location Map |
| Figure 2A | Cross Section Subsurface Sample Locations |
| Figure 3 | Surface Sample Location Map |

Table of Quantified Constituents of Potential Concern

Appendix A Laboratory Analytical Results

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.
- Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, March 1996, *Background Concentrations of Trace and Major Elements in California Soils*.
- 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.
- San Francisco Regional Water Quality Control Board, *Environmental Screening Levels, Tier 1 ESLs*, 2019 (Rev 2)
- 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).
- USEPA (November 2024) *Regional Screening Levels, Generic Tables, Resident Soil*.



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

SCALE:
 AS SHOWN
 UES JOB NO.:
 A24165.00792

DATE:
 12/24
 FIGURE:
 1

S:\Projects\A24165 Projects 2024\ENVR0 2024\A24165.00394.000 Cambridge School PH2 ESA-ENV\ENV\Fig 2 (Soil Sample Location Map).dwg



LEGEND

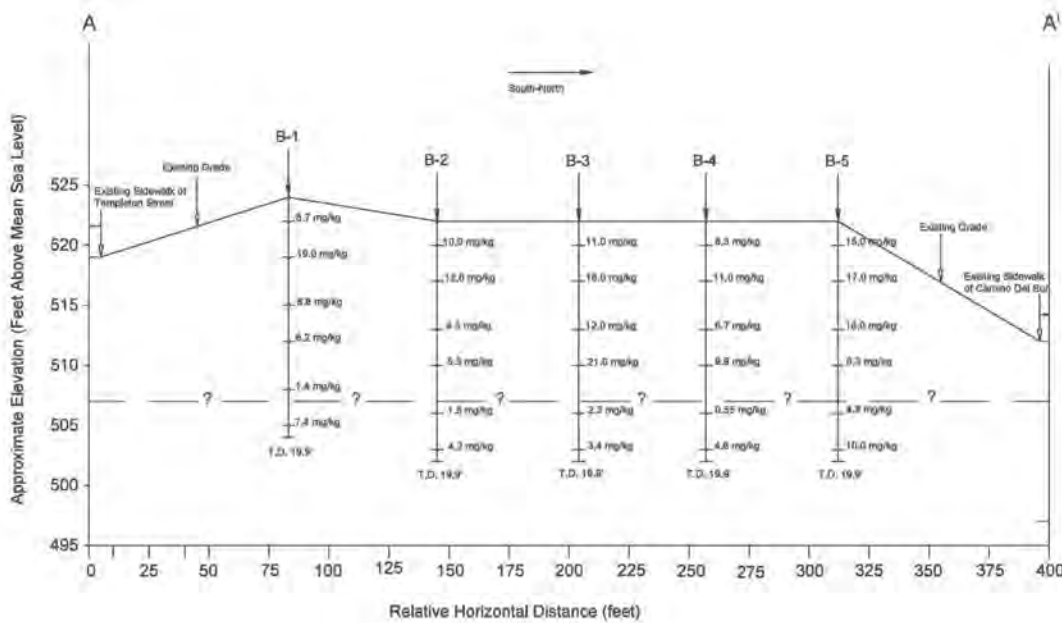
- H-20 APPROXIMATE LOCATION OF HAND AUGERED SOIL SAMPLES
- ⬢ B-8 APPROXIMATE LOCATION OF SOIL BORINGS
- A' CROSS SECTION LOCATION
- A



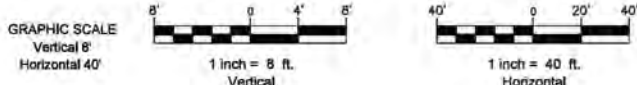
SOIL SAMPLE LOCATION MAP
CAMBRIDGE SCHOOL
SW CORNER OF CAMINO DEL SUR & COYOTE BUSH DRIVE
SAN DIEGO, CALIFORNIA

UES JOB NO. A24165.00792	
SCALE	1" = 60'
DATE	12/24
FIGURE	2

S:\Projects\A24165 Projects 2024\ENMR 2024\A24165.00394-000 Cambridge School PH2 ESA-ENV\ENV\Fig 2A (Cross Section).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



CROSS SECTION A - A'

CAMBRIDGE SCHOOL

SW CORNER OF CAMINO DEL SUR & COYOTE BUSH DRIVE

SAN DIEGO, CALIFORNIA

DATE 12/24

FIGURE 2A

S:\Projects\A24165 Projects 2024\ENVR0 2024\A24165.00394.000 Cambridge School PH2 ESA-ENV\Fig 3 (Soil Sample Location Map).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



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

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



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

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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.
All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Table of Contents

Sample Information

Chain of Custody and Cooler Receipt form.....	3
Laboratory / Client Sample Cross Reference.....	7

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
2417484-07 - H-07	
Total Concentrations (TTLC).....	16
2417484-08 - H-08	
Total Concentrations (TTLC).....	17
2417484-09 - H-09	
Total Concentrations (TTLC).....	18
2417484-10 - H-10	
Total Concentrations (TTLC).....	19
2417484-11 - H-11	
Total Concentrations (TTLC).....	20
2417484-12 - H-12	
Total Concentrations (TTLC).....	21
2417484-13 - H-13	
Total Concentrations (TTLC).....	22
2417484-14 - H-14	
Total Concentrations (TTLC).....	23
2417484-15 - H-15	
Total Concentrations (TTLC).....	24
2417484-16 - H-16	
Total Concentrations (TTLC).....	25
2417484-17 - H-17	
Total Concentrations (TTLC).....	26
2417484-18 - H-18	
Total Concentrations (TTLC).....	27
2417484-19 - H-19	
Total Concentrations (TTLC).....	28
2417484-20 - H-20	
Total Concentrations (TTLC).....	29

Quality Control Reports

Total Concentrations (TTLC)	
Method Blank Analysis.....	30
Laboratory Control Sample.....	31
Precision and Accuracy.....	32

Notes

Notes and Definitions.....	33
----------------------------	----

Chain of Custody and Cooler Receipt Form for 2417484 Page 1 of 4

[illegible]

Pace Location Requested (City/State): **CHAIN-OF-CUSTODY Analytical Request Document**
Chain of Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: **Universal Engineering Sciences** Contact/Report To: **Cagnei Duncan**
Street Address: **1441 Montiel Rd #115, Escondido, CA 92026** Phone #: **661-599-0297**
E-Mail: **cduncan1@teamuvs.com**
C/L Mail: **acranfield@teamuvs.com**
Customer Project #: **A24165.00394.000** Invoice #: **A24165.00394.000**
Project Name: **Cambridge School PH2 ESA** Purchase Order # (if applicable): **A24165.00394-000**
Site Collection Info/ID (if applicable): **SW corner of Camino Del Sur & Coyote Bush Dr San Diego, CA** Quote #:
Country / State origin of sample(s): **San Diego, California** Reportable: ☐ Yes ☒ No

Time Zone collected: ☐ M ☒ P ☐ M ☐ P ☐ C ☐ T ☐ S

Data Determinative: ☒ Level II ☐ Level III ☐ Level IV ☐ Other: **ISO/US**
☐ Rush (Pre-approval required): ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day Other:
Date Results Requested:
Regulatory Program (DWR, RCRA, etc.) as applicable:
D/W PWSID or WW Permit # as applicable:
Find Filtered (if applicable): ☐ Yes ☒ No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil (S), Air (A), Water (W), Tissue (T), Biosolid (BS), Vapor (V), Surface Water (SW), Sediment (SD), Sludge (SL), Cask (CX), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Residual Observe		Sample Comment
			Date	Time	Date	Time		Results	Units	
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: **Cagnei Duncan**
Signature: **Cagnei Duncan**

Customer Remarks / Special Conditions / Possible Hazards:
Cooler's: Thermocouples (C): Calibration 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): **Jeff Pato** Date/Time: **10/24/24 1042** Tracking Number:
Relinquished by/Company (Signature): Date/Time: Received by/Company (Signature): Date/Time: Delivered by: ☒ In Person ☐ Courier
Relinquished by/Company (Signature): Date/Time: Received by/Company (Signature): Date/Time: ☒ FedEx ☐ UPS ☐ Other
Relinquished by/Company (Signature): Date/Time: Received by/Company (Signature): Date/Time: Page: **2** of **2**
ENV-FRM-CORQ-0019_v02_110123 ID

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>.

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

PACE ANALYTICAL				COOLER RECEIPT FORM				Page 1 of 2				
Submission #:												
SHIPPING INFORMATION Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☐ Other ☐ (Specify) _____						SHIPPING CONTAINER Ice Chest ☐ None ☐ Box ☐ Other ☐ (Specify) _____			FREE LIQUID YES ☐ NO ☒ W / S			
Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments: <u>not enough ice</u>												
Custody Seals: Ice Chest ☒ Containers ☐ None ☐ Comments:												
Intact? Yes ☒ No ☐						Intact? Yes ☐ No ☐						
All samples received? Yes ☒ No ☐						All samples containers intact? Yes ☐ No ☐						
Description(s) match COC? Yes ☒ No ☐												
COC Received ☒ YES ☐ NO			Emissivity: <u>0.97</u> Container: <u>NA</u> Thermometer ID: <u>274</u>			Date/Time: <u>10/24/24</u>						
Temperature: (A) <u>12.2</u> °C / (C) <u>12.2</u> °C						Analyst Init: <u>JCN</u>			<u>1042</u>			
SAMPLE CONTAINERS			SAMPLE NUMBERS									
			1	2	3	4	5	6	7	8	9	10
QT PE UNPRES												
4oz / 8oz / 16oz PE UNPRES												
2oz Cr ⁴												
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												
PIA PHENOLICS												
40ml VOA VIAL TRAVEL BLANK												
40ml VOA VIAL												
QT EPA 1664B												
PT ODOR												
RADIOLOGICAL												
BACTERIOLOGICAL												
40 ml VOA VIAL- 504												
QT EPA 508/608.3/6081A												
QT EPA 515.1/5151A												
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	A	
SOIL SLEEVE												
PCB VIAL												
PLASTIC BAG												
TEDLAR BAG												
FERROUS IRON												
ENCORE												
SMART KIT												
SUMMA CANISTER												

Comments:

Sample Numbering Completed By: JCN

Date/Time: 10/24/24 1400

Rev 23 05/20/22

A = Actual / C = Corrected

[S:\WP\Doc\WordPerfect\LAB_DOCS\FORMS\AMRECrev 23]

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

PACE ANALYTICAL		COOLER RECEIPT FORM		Page <u>2</u> of <u>2</u>	
Submission #:					
SHIPPING INFORMATION Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☐ Other ☐ (Specify) _____			SHIPPING CONTAINER Ice Chest ☐ None ☐ Box ☐ Other ☐ (Specify) _____		FREE LIQUID YES ☐ NO ☒ W / S
Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments: <u>not enough ice</u>					
Custody Seals: Ice Chest ☒ Containers ☐ None ☐ Comments: _____ Intact? Yes ☒ No ☐ Intact? Yes ☐ No ☐					
All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐					
COC Received YES ☒ NO ☐		Emissivity: <u>0.97</u> Container: <u>NA</u> Thermometer ID: <u>274</u> Temperature: (A) <u>12.2</u> °C (C) <u>12.2</u> °C Date/Time: <u>10/24/24</u> Analyst Init: <u>JCN</u> <u>10:42</u>			

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr ⁴										
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										
PIA 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 515.1/5151A										
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 8279C										
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: JCN Date/Time: 10/24/24 1708
 A = Actual / C = Corrected

Rev 23 05/20/22

(S:\WP\Doc\Win\PerfectLAB_DOC\SPORMS\SAMRECrev 20)

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

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			
2417484-08	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

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

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		Analyst	Instrument	Dilution	QC	
			Date/Time					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

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		Analyst	Instrument	Dilution	QC	
			Date/Time					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

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		Analyst	Instrument	Dilution	QC	
			Date/Time					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

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	

		Run		QC					
DCN	Method	Prep Date	Date/Time	Analyst	Instrument	Dilution	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

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

DCN = Data Continuation Number

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: 2417484-06		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	

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

DCN = Data Continuation Number

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: 2417484-07		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		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:18		JEH	ICP6	0.990	B200467	EPA 3050B

DCN = Data Continuation Number

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: 2417484-08		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		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:20		JEH	ICP6	0.980	B200467	EPA 3050B

DCN = Data Continuation Number

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: 2417484-09		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		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:22		JEH	ICP6	0.935	B200467	EPA 3050B

DCN = Data Continuation Number

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 (TTLIC)

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

DCN = Data Continuation Number

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: 2417484-11		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		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:26		JEH	ICP6	0.943	B200467	EPA 3050B

DCN = Data Continuation Number

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: 2417484-12		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		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:28		JEH	ICP6	0.909	B200467	EPA 3050B

DCN = Data Continuation Number

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 (TTLIC)

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

DCN = Data Continuation Number

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: 2417484-14		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		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:36		JEH	ICP6	0.990	B200467	EPA 3050B

DCN = Data Continuation Number

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: 2417484-15		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		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:38		JEH	ICP6	0.926	B200467	EPA 3050B

DCN = Data Continuation Number

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: 2417484-16		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		Analyst	Instrument	Dilution	QC	
			Date/Time					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

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: 2417484-17		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		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:42		JEH	ICP6	0.952	B200467	EPA 3050B

DCN = Data Continuation Number

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: 2417484-18		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		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:44		JEH	ICP6	0.952	B200467	EPA 3050B

DCN = Data Continuation Number

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: 2417484-19		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		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:46		JEH	ICP6	1	B200467	EPA 3050B

DCN = Data Continuation Number

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: 2417484-20		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		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-6010B	11/04/24 09:55	11/04/24 17:48		JEH	ICP6	0.935	B200467	EPA 3050B

DCN = Data Continuation Number

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)

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

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)

Quality Control Report - Laboratory Control Sample

								Control Limits			
Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Percent Recovery	RPD	Lab	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

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 (TTL)

Quality Control Report - Precision & Accuracy

										Control Limits		
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	RPD	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

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

Notes And Definitions

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



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

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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.
All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Table of Contents

Sample Information

Chain of Custody and Cooler Receipt form.....	4
Laboratory / Client Sample Cross Reference.....	10

Sample Results

2417469-01 - B-01 @ 1-2'	
Organochlorine Pesticides (EPA Method 8081A).....	15
Total Concentrations (TTL)C).....	16
2417469-02 - B-01 @ 4-5'	
Organochlorine Pesticides (EPA Method 8081A).....	17
Total Concentrations (TTL)C).....	18
2417469-03 - B-01 @ 8-9'	
Organochlorine Pesticides (EPA Method 8081A).....	19
Total Concentrations (TTL)C).....	20
2417469-04 - B-01 @ 11-12'	
Organochlorine Pesticides (EPA Method 8081A).....	21
Total Concentrations (TTL)C).....	22
2417469-05 - B-01 @ 15-16'	
Organochlorine Pesticides (EPA Method 8081A).....	23
Total Concentrations (TTL)C).....	24
2417469-06 - B-01 @ 19-20'	
Organochlorine Pesticides (EPA Method 8081A).....	25
Total Concentrations (TTL)C).....	26
2417469-07 - B-02 @ 1-2'	
Organochlorine Pesticides (EPA Method 8081A).....	27
Total Concentrations (TTL)C).....	28
2417469-08 - B-02 @ 4-5'	
Organochlorine Pesticides (EPA Method 8081A).....	29
Total Concentrations (TTL)C).....	30
2417469-09 - B-02 @ 8-9'	
Organochlorine Pesticides (EPA Method 8081A).....	31
Total Concentrations (TTL)C).....	32
2417469-10 - B-02 @ 11-12'	
Organochlorine Pesticides (EPA Method 8081A).....	33
Total Concentrations (TTL)C).....	34
2417469-11 - B-02 @ 15-16'	
Organochlorine Pesticides (EPA Method 8081A).....	35
Total Concentrations (TTL)C).....	36
2417469-12 - B-02 @ 19-20'	
Organochlorine Pesticides (EPA Method 8081A).....	37
Total Concentrations (TTL)C).....	38
2417469-13 - B-03 @ 1-2'	
Organochlorine Pesticides (EPA Method 8081A).....	39
Total Concentrations (TTL)C).....	40
2417469-14 - B-03 @ 4-5'	
Organochlorine Pesticides (EPA Method 8081A).....	41
Total Concentrations (TTL)C).....	42
2417469-15 - B-03 @ 8-9'	
Organochlorine Pesticides (EPA Method 8081A).....	43
Total Concentrations (TTL)C).....	44
2417469-16 - B-03 @ 11-12'	
Organochlorine Pesticides (EPA Method 8081A).....	45
Total Concentrations (TTL)C).....	46
2417469-17 - B-03 @ 15-16'	
Organochlorine Pesticides (EPA Method 8081A).....	47

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.

All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Table of Contents

Total Concentrations (TTLIC).....	48
2417469-18 - B-03 @ 19-20'	
Organochlorine Pesticides (EPA Method 8081A).....	49
Total Concentrations (TTLIC).....	50
2417469-19 - B-04 @ 1-2'	
Organochlorine Pesticides (EPA Method 8081A).....	51
Total Concentrations (TTLIC).....	52
2417469-20 - B-04 @ 5-6'	
Organochlorine Pesticides (EPA Method 8081A).....	53
Total Concentrations (TTLIC).....	54
2417469-21 - B-04 @ 9-10'	
Organochlorine Pesticides (EPA Method 8081A).....	55
Total Concentrations (TTLIC).....	56
2417469-22 - B-04 @ 12-13'	
Organochlorine Pesticides (EPA Method 8081A).....	57
Total Concentrations (TTLIC).....	58
2417469-23 - B-04 @ 15-16'	
Organochlorine Pesticides (EPA Method 8081A).....	59
Total Concentrations (TTLIC).....	60
2417469-24 - B-04 @ 1940'	
Organochlorine Pesticides (EPA Method 8081A).....	61
Total Concentrations (TTLIC).....	62
2417469-25 - B-05 @ 1-2'	
Organochlorine Pesticides (EPA Method 8081A).....	63
Total Concentrations (TTLIC).....	64
2417469-26 - B-5 @ 4-5'	
Organochlorine Pesticides (EPA Method 8081A).....	65
Total Concentrations (TTLIC).....	66
2417469-27 - B-05 @ 8-9'	
Organochlorine Pesticides (EPA Method 8081A).....	67
Total Concentrations (TTLIC).....	68
2417469-28 - B-05 @ 10-11'	
Organochlorine Pesticides (EPA Method 8081A).....	69
Total Concentrations (TTLIC).....	70
2417469-29 - B-05 @ 14-15'	
Organochlorine Pesticides (EPA Method 8081A).....	71
Total Concentrations (TTLIC).....	72
2417469-30 - B-05 @ 19-20'	
Organochlorine Pesticides (EPA Method 8081A).....	73
Total Concentrations (TTLIC).....	74
Quality Control Reports	
Organochlorine Pesticides (EPA Method 8081A)	
Method Blank Analysis.....	75
Laboratory Control Sample.....	77
Precision and Accuracy.....	79
Total Concentrations (TTLIC)	
Method Blank Analysis.....	82
Laboratory Control Sample.....	83
Precision and Accuracy.....	84
Notes	
Notes and Definitions.....	85

[illegible]

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at <https://info.paceabs.com/hubs/pace-standard-terms.pdf>.

[illegible]

Submitting a sample via this chain of custody constitutes acknowledgement and acceptance of the Pace® Terms and Conditions found at <https://info.pace-labs.com/hubfs/pace-standard-terms.pdf>.

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.

All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

PAGE ANALYTICAL		COOLER RECEIPT FORM		Page <u>4</u> Of <u>7</u>	
Submission #: <u>24-17469</u>					
SHIPPING INFORMATION Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☒ Other ☐ (Specify) _____			SHIPPING CONTAINER Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify) _____		FREE LIQUID YES ☒ NO ☐ <u>W</u> / <u>S</u>
Refrigerant: Ice ☐ Blue Ice ☐ None ☐ Other ☐ Comments: _____					
Custody Seals: Ice Chest ☐ Containers ☐ None ☒ Comments: _____ Intact? Yes ☐ No ☐ Intact? Yes ☐ No ☐					
All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐					
COC Received ☒ YES ☐ NO		Emissivity: <u>0.97</u> Container: <u>N/A</u> Thermometer ID: <u>366</u> Temperature: (A) <u>5.7</u> °C / (C) <u>5.7</u> °C		Date/Time <u>10/29/24</u> Analyst Init <u>SL</u>	

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr ⁴										
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										
PIA 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 515.1/5151A										
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: SL U91 Date/Time: 10/29/24 1130
 A = Actual / C = Corrected TOL 10/24

Rev 23 05/20/22

\\SWPDoc\WordPerfect\LAB_DOCS\FORMS\SIS\AMRECrev 20

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

PACE ANALYTICAL		COOLER RECEIPT FORM		Page 2 Of 3	
Submission #: 24-17469					
SHIPPING INFORMATION Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☒ Other ☐ (Specify) _____			SHIPPING CONTAINER Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify) _____		FREE LIQUID YES ☒ NO ☐ W / S
Refrigerant: Ice ☐ Blue Ice ☐ None ☐ Other ☐ Comments: _____					
Custody Seals: Ice Chest ☐ Containers ☐ None ☒ Comments: _____ Intact? Yes ☐ No ☐ Intact? Yes ☐ No ☐					
All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐					
COC Received ☒ YES ☐ NO		Emissivity: 0.87 Container: N/A Thermometer ID: 366 Temperature: (A) 5.7 °C / (C) 5.7 °C		Date/Time 10/29/24 1045 Analyst Init TSC	

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										
PIA 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
PCE VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments: _____
 Sample Numbering Completed By: TSC U61 Date/Time: 10/29/24 1130
 A = Actual / C = Corrected

Rev 23 05/20/22
 D:\WPDoc\Word\PerfectLAB_DOCS\FORMS\RAMRECrev 10j

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

PAGE ANALYTICAL		COOLER RECEIPT FORM		Page <u>3</u> Of <u>3</u>							
Submission #: <u>24-17469</u>											
SHIPPING INFORMATION Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☒ Other ☐ (Specify) _____			SHIPPING CONTAINER Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify) _____		FREE LIQUID YES ☒ NO ☐ <u>W</u> / S						
Refrigerant: Ice ☐ Blue Ice ☐ None ☐ Other ☐ Comments: _____											
Custody Seals: Ice Chest ☐ Containers ☐ None ☒ Comments: _____ Intact? Yes ☐ No ☐ Intact? Yes ☐ No ☐											
All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐											
COC Received ☒ YES ☐ NO		Emissivity: <u>0.47</u> Container: <u>N/A</u> Thermometer ID: <u>36</u> Temperature: (A) <u>5.7</u> °C / (C) <u>5.7</u> °C		Date/Time <u>10/29/24</u> <u>1048</u> Analyst Init <u>ESL</u>							
SAMPLE CONTAINERS		SAMPLE NUMBERS									
		1	2	3	4	5	6	7	8	9	10
QT PE UNPRES											
4oz / 8oz / 16oz PE UNPRES											
2oz Cr ⁴											
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											
PIA PHENOLICS											
40ml VOA VIAL TRAVEL BLANK											
40ml VOA VIAL											
QT EPA 1664B											
PT ODOR											
RADIOLOGICAL											
BACTERIOLOGICAL											
40 ml VOA VIAL- 604											
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 549.3											
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: ESL

A = Actual / C = Corrected

Date/Time: 10/29/24 1130

Rev 23 05/20/22

[S:\WP\Doc\Word\PerfectLAB_DOC\FORMS\SAIGRE\rev 23]

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

Reported: 11/21/2024 16:00
Project: 00172609
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 Dunca	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

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.
All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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

Reported: 11/21/2024 16:00
Project: 00172609
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

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

Reported: 11/21/2024 16:00
Project: 00172609
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

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.
All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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

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

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

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

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

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

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

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

DCN = Data Continuation Number

UES - San Diego
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)

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		Analyst	Instrument	Dilution	QC	
			Date/Time					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

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

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

DCN = Data Continuation Number

UES - San Diego
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 (TTLIC)

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	

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

DCN = Data Continuation Number

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

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 Quais	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

DCN = Data Continuation Number

UES - San Diego
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 (TTLIC)

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

DCN = Data Continuation Number

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

Reported: 11/21/2024 16:00
Project: 00172609
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 Quais	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

DCN = Data Continuation Number

UES - San Diego
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)

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	

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

DCN = Data Continuation Number

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

Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
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 Quais	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

DCN = Data Continuation Number

UES - San Diego
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 (TTLIC)

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	

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

DCN = Data Continuation Number

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

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

DCN = Data Continuation Number

UES - San Diego
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)

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	

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

DCN = Data Continuation Number

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

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

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 Quais	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

DCN = Data Continuation Number

UES - San Diego
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 (TTLIC)

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	

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

DCN = Data Continuation Number

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

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

DCN = Data Continuation Number

UES - San Diego
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 (TTLIC)

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

DCN = Data Continuation Number

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

Reported: 11/21/2024 16:00
Project: 00172609
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

DCN = Data Continuation Number

UES - San Diego
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)

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	

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

DCN = Data Continuation Number

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

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 Quais	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

DCN = Data Continuation Number

UES - San Diego
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)

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

DCN = Data Continuation Number

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

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

DCN = Data Continuation Number

UES - San Diego
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)

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		Analyst	Instrument	Dilution	QC	
			Date/Time					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

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

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 Quais	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

DCN = Data Continuation Number

UES - San Diego
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)

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

DCN = Data Continuation Number

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

Reported: 11/21/2024 16:00
Project: 00172609
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

DCN = Data Continuation Number

UES - San Diego
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)

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	

		Run		QC					
DCN	Method	Prep Date	Date/Time	Analyst	Instrument	Dilution	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

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

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		Analyst	Instrument	Dilution	QC	
			Date/Time					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

DCN = Data Continuation Number

UES - San Diego
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 (TTLIC)

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	

		Run		QC					
DCN	Method	Prep Date	Date/Time	Analyst	Instrument	Dilution	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

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

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		Analyst	Instrument	Dilution	QC	
			Date/Time					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

DCN = Data Continuation Number

UES - San Diego
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 (TTLIC)

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	

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

DCN = Data Continuation Number

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

Reported: 11/21/2024 16:00
Project: 00172609
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

DCN = Data Continuation Number

UES - San Diego
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)

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	

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

DCN = Data Continuation Number

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

Reported: 11/21/2024 16:00
Project: 00172609
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

DCN = Data Continuation Number

UES - San Diego
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)

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	

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

DCN = Data Continuation Number

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

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

DCN = Data Continuation Number

UES - San Diego
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)

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	

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

DCN = Data Continuation Number

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

Reported: 11/21/2024 16:00
Project: 00172609
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 Quais	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

DCN = Data Continuation Number

UES - San Diego
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 (TTLIC)

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	

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

DCN = Data Continuation Number

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

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	Run		Analyst	Instrument	Dilution	QC	
		Prep Date	Date/Time				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

DCN = Data Continuation Number

UES - San Diego
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 (TTLIC)

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

DCN = Data Continuation Number

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

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

DCN = Data Continuation Number

UES - San Diego
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 (TTLIC)

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	

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

DCN = Data Continuation Number

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

Reported: 11/21/2024 16:00
Project: 00172609
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 Quais	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

DCN = Data Continuation Number

UES - San Diego
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 (TTLIC)

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	

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

DCN = Data Continuation Number

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

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

DCN = Data Continuation Number

UES - San Diego
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 (TTLIC)

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	

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

DCN = Data Continuation Number

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

Reported: 11/21/2024 16:00
Project: 00172609
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 Quais	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

DCN = Data Continuation Number

UES - San Diego
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)

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

DCN = Data Continuation Number

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

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		Analyst	Instrument	Dilution	QC	
			Date/Time					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

UES - San Diego
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 (TTLIC)

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

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

DCN = Data Continuation Number

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

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		Analyst	Instrument	Dilution	QC	
			Date/Time					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

DCN = Data Continuation Number

UES - San Diego
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 (TTL)

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

DCN = Data Continuation Number

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

Reported: 11/21/2024 16:00
Project: 00172609
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

DCN = Data Continuation Number

UES - San Diego
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)

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

DCN = Data Continuation Number

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

Reported: 11/21/2024 16:00
Project: 00172609
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		Analyst	Instrument	Dilution	QC	
			Date/Time					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

DCN = Data Continuation Number

UES - San Diego
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)

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	

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

DCN = Data Continuation Number

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

Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
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 Quais	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

DCN = Data Continuation Number

UES - San Diego
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)

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	

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

DCN = Data Continuation Number

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

Reported: 11/21/2024 16:00
Project: 00172609
Project Number: 50325
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		Analyst	Instrument	Dilution	QC	
			Date/Time					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

DCN = Data Continuation Number

UES - San Diego
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 (TTLIC)

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	

		Run		QC					
DCN	Method	Prep Date	Date/Time	Analyst	Instrument	Dilution	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

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

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: 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	0.000067		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

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.
All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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

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

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

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

								Control Limits		Lab	
Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Percent Recovery	RPD	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

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.
All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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

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		Lab	Run #
								Percent Recovery	RPD		
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		Analyst	Instrument	Dilution
					Date	Time			
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

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

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

Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Precision & Accuracy

										Control Limits		
		Source	Source		Spike			Percent		Percent	Lab	
Constituent	Type	Sample ID	Result	Result	Added	Units	RPD	Recovery	RPD	Recovery	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

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.
All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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

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

Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Precision & Accuracy

										Control Limits			
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	RPD	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

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.
All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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

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

Organochlorine Pesticides (EPA Method 8081A)

Quality Control Report - Precision & Accuracy

									Control Limits			
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Percent RPD	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

UES - San Diego
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

UES - San Diego
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 - Laboratory Control Sample

<u>Control Limits</u>											Lab	Run #
Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Percent Recovery	RPD	Quals		
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		Analyst	Instrument	Dilution
					Date	Time			
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

UES - San Diego
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 - Precision & Accuracy

										Control Limits		
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	RPD	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

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

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

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.