Exhibit L - 6

WILLBANKS
ENVIRONMENTAL CONSULTING, INC
8413 N Millbrook Avenue, Suite 110 • Fresno, CA 93720
(559) 797-4181 Office • WECenvironmental.com

September 24, 2024 WEC Project No. 24.340

Mr. Trent Walker
Bonadelle Development Corporation
4644 E. Carmen Ave.
Fresno, CA 93703

Re: Limited Phase II Environmental Site Assessment
Former Simonian Estates
1099, 1139, and 1183 South Armstrong Avenue
Fresno, California

Dear Mr. Walker:

Willbanks Environmental Consulting, Inc. (WEC) is pleased to present the results of a Limited Phase II Environmental Site Assessment (Phase II ESA) conducted for former Simonian Estates property located on the west side of South Armstrong Avenue, where East California Avenue intersects South Armstrong Avenue in Fresno, California. Site Vicinity is illustrated in Figure 1. Bonadelle has indicated it is in the due diligence phase of purchasing the property for a future residential development. As part of the due diligence process, a Phase I Environmental Site Assessment (Phase I) dated October 27, 2023, was prepared by RMA GeoScience (RMA) of Fresno, California, with the objective of identifying potential Recognized Environmental Conditions (RECs) in connection with the Site. The objective of this Phase II ESA was to further investigate the RECs identified in the Phase I. This report includes the scope of work, results of the investigation, and recommendations based on the data collected.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

The Phase I described the Site as being comprised of five parcels identified by Fresno County Recorder's Office Assessor Parcel Numbers (APNs) 316-160-16, 316-160-17, 316-160-43, 316-160-59, and 316-160-61 that together encompass approximately 37.92 acres of land located to the west of South Armstrong Avenue and East California Avenue in Fresno, California. The Phase I indicated the Site was utilized for agricultural purposes from at least 1937 until sometime between 1999 and 2006. Residences occupied the western portion of the Site from at least 1950 until sometime between 2020 and 2023. At the time of RMA's site reconnaissance, the site was vacant, undeveloped land. Figure 2 illustrates the Site layout.

RECOGNIZED ENVIRONMENTAL CONDITIONS (RECS)

RECs are defined by the ASTM Standard Practice E1527-21 as: (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

The following RECs associated with the Site were identified in RMA's Phase I:

- According to the records obtained, an unknown size fuel and a 350-gallon fuel underground storage tank (UST) were listed under the subject property addresses (1139 and 1183 South Armstrong Avenue, respectively). Mr. Greg Simonian, the property owner, stated that the USTs were removed approximately 35 to 40 years ago and provided the approximate locations of the USTs. Mr. Simonian also stated that he does not have any records of soil samples being collected after the removal of the USTs.

Although not identified as an REC, the following Business Environmental Risk (BER) was identified in the Phase I:

- Much of the subject property has been used for agricultural purposes sometime prior to 1937. It is recommended that prior to development, the subject property be tested for agricultural pesticides.

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

Scope of Work

WEC performed a Limited Phase II ESA to address the concerns identified in the Phase I. The scope of the Phase II ESA included the following investigative tasks:

- Underground Storage Tank – WEC reached out to Mr. Greg Simonian, property owner, to learn the exact location of the USTs identified in the Phase I. Once the locations of the USTs were identified, soil gas probes were installed at a depth of 5 feet below ground surface (bgs) utilizing direct push equipment at both locations. Soil gas samples were collected from each probe and analyzed for volatile organic compounds (VOCs) by EPA Method TO-15.

- Historical Agricultural Use – Shallow soil borings (beneath any existing vegetation) were hand augured in twelve locations across the property. Samples were composited by the laboratory according to their location, and analyzed for the presence and concentration of organochlorine, organophosphorus pesticides by EPA Method 8081 and chlorinated herbicides by EPA Method 8141. In addition, samples collected along the north and east property boundaries were analyzed for California Assessment Metals (CAM 17) by EPA Method 6010. Due to the presence of the adjoining rail-spur, samples collected along the northern property boundary were also analyzed for semi-volatile organic compounds (SVOCs) by EPA Method 8270.

FINDINGS OF THE INVESTIGATION

Underground Storage Tank

According to the Phase I, USTs were historically located at 1139 and 1183 South Armstrong Avenue. WEC reached out to Mr. Greg Simonian, property owner, regarding the exact location of the USTs. Mr. Simonian indicated that a UST was never associated with the address of 1139 South Armstrong Avenue, as reported in the Phase I, and that the USTs were installed at 1099 and 1183 South

Armstrong Avenue. Mr. Simonian marked the exact locations of the USTs on aerial photographs of 1099 and 1183 South Armstrong Avenue.

On August 16, 2024, soil gas probes were installed to a depth of 5 feet bgs utilizing direct push equipment (please refer to Figure 2 for locations). At each sampling location, SGPs were installed by driving a screened vapor probe tip and Teflon® lined, ¼-inch polyethylene tubing into the subsurface via hollow drive tubes. Once the probe had been driven to a depth of 5 feet, the drive tubes were detached from the vapor probe/tubing and removed from the hole. Immediately after the removal of the drive tubes, the annulus around the tubing was backfilled with hydrated granular bentonite. An "umbrella" just above the tip prevented the bentonite from entering the bottom of the open hole created by the drive tip and/or plugging the drive-tip screen. The tubing was capped and the SGP installation was allowed to rest prior to sampling.

The soil gas probes were sampled by WEC personnel on August 19, 2024. Soil gas probes were sampled in accordance with the Department of Toxic Substances Control (DTSC) *Advisory – Active Soil Gas Investigations*, July 2015 (Advisory). Prior to sampling, each soil gas probe was screened for VOCs using a handheld photoionization detector (PID). VOCs were not detected by the PID in either of the two probes. Prior to purging and sampling, a shut-in test was conducted to check for leaks in the sampling apparatus at each location. The shut-in test was performed by evacuating the line to a vacuum of 10 inches of water, sealing the entire system and watching the vacuum for approximately 5 minutes. No observable loss of vacuum was detected at either of the sampling locations.

Purging was then completed using an electric pump set at 200 cubic centimeters per minute (cc/min). A default of three purge volumes was purged as recommended by the Advisory. Each soil gas sample was then collected in a 1-Liter passivated stainless steel summa canister. Field sampling logs are included in Exhibit B. Isopropyl alcohol (Isopropanol) was used as a leak detection gas and was placed at the tubing-surface interface before sampling. Once collected, each summa canister was sealed, labeled, and shipped to the analytical laboratory under chain of custody protocol. Soil vapor samples were submitted to, and chemically analyzed by Enthalpy of Orange, California (Enthalpy) for the presence and concentration of VOCs using EPA Method TO-15. Results of analyses are summarized in Table 1 and a copy of the laboratory analytical report is included as Exhibit A.

Based on the results of analyses, concentrations of freon 113, acetone, carbon disulfide, isopropanol, 2-butanone, 4-methyl-2-pentanone, toluene, ethylbenzene, xylenes, and 1,2,4-trimethylbenzene were detected in the soil gas sample collected from 1099 South Armstrong Avenue (SGP-1-5). The soil gas sample collected from 1183 South Armstrong Avenue (SGP-2-5) reported concentrations of acetone, isopropanol, chloroform, carbon tetrachloride, toluene, and tetrachloroethene (PCE).

Although above the laboratory reporting limits, the concentrations detected of each of the compounds were below the 2019 Residential Land Use Environmental Screening Levels (ESLs), published by the San Francisco Regional Water Quality Control Board (RWQCB) with the exception

of PCE. The concentration of PCE detected in SGP-2-5 was reported at 22 ug/m^3. The Residential ESL for PCE is 15 ug/m^3.

Due to the reported concentration of PCE in the sample collected from SGP-2-5, two additional SGP (SGP-3-5 and SGP-4-5) were installed and sampled adjacent to SGP-2, in the southeastern portion of the Site, on September 10, 2024. Sample locations are depicted on Figure 2. The installation, purging, and sampling procedures used during the second sampling event were similar to those used during the August 19, 2024 sampling.

Based on the results of analyses, concentrations of freon 12, acetone, isopropanol, methylene chloride, 2-butanone, chloroform, 4-methyl-2-pentanone, toluene, and tetrachloroethene (PCE), were detected in the sample collected west of SGP-2-5. The sample to the north of SGP-2-5 contained concentrations of freon 12, acetone, isopropanol, 2-butanone, chloroform, 4-methyl-2-pentanone, and tetrachloroethene (PCE).

Although above the laboratory reporting limits, the concentrations detected during the second sampling event were below the ESLs, published by the RWQCB.

Historical Agricultural Use

On August 16, 2024, WEC personnel advanced 12 soil borings across the Site (S-1 through S-12). At each location, a hand auger was used to advance a shallow borehole to a depth of approximately one foot bgs. A relatively undisturbed soil sample was collected from the depth interval of 1 to 1½ feet bgs by driving a clean 2-inch diameter, 6-inch-long stainless-steel tube into the soil using a split spoon sampler and drive hammer assembly. The tube was retrieved, and the ends were immediately covered with Teflon™ film and capped. The samples were appropriately labeled and promptly placed in an ice chest cooled with synthetic ice. The samples were then delivered, under appropriate chain-of-custody (COC) protocol, to Enthalpy.

Along the northern property boundary, one sample (S-2-1) was analyzed as an individual discreet sample due to its proximity to a large stockpile of railroad ties. The remaining two samples (S-1-1 and S-3-1) collected along the northern property boundary were composited into one two-part composite (Comp #1). Samples S-2-1 and Comp#1 were analyzed for chlorinated herbicides, CAM 17 metals and SVOCs by EPA methods 8141, 6010, and 8270.

Six samples (S-4-1 through S-9-1), collected from the central and western portions of the Site, were composited into two, two-part composite samples (Comp #2 and Comp #3) and analyzed for organochlorine and organophosphorus pesticides by EPA Method 8081, and chlorinated herbicides by EPA methods 8141.

Samples collected near each of the former residences (S-10-1, S-11-1, and S-12-1) were composited into one, three-part composite (Comp #4) and analyzed for organochlorine and organophosphorus pesticides by EPA Method 8081, chlorinated herbicides by EPA methods 8141, and CAM 17 Metals by EPA Method 6010.

Samples submitted for CAM 17 metals analyses revealed the presence of arsenic, barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc. Although above the laboratory

reporting limits, the concentrations detected were all below the 2019 Residential Land Use Environmental Screening Levels (ESLs), as published by the San Francisco Regional Water Quality Control Board (RWQCB) with the exception of arsenic.

Arsenic was detected in samples S-2-1, Comp #1, and Comp #4 at concentrations ranging from 2.1 to 4.0 milligrams per kilogram (mg/kg). The ESL for arsenic is 0.067 mg/kg. Although above the ESL, the concentrations detected are consistent with background arsenic concentrations typically found in California, specifically Fresno County. Volcanic rocks from the Sierra Nevada contribute to the large portion of the sediment found on the floor of the San Joaquin Valley (SJV). These rocks contain elevated concentrations of arsenic and are a source of background levels of arsenic in SJV soils.

Concentrations of the organochlorine pesticides dichlorodiphenyldichloroethene (DDE) and dichlorodiphenyltrichloroethane (DDT) were detected in the composited samples collected from the western portion of the Site (Comp #2) at 0.031 milligrams per kilogram (mg/kg) and 0.0056 mg/kg, respectively. Composited samples collected from the central portion of the Site (Comp #3) contained DDE at a concentration of 0.022 mg/kg. Composited samples collected from near the former residences in the eastern portion of the Site contained concentrations of dieldrin at 0.0092 mg/kg, DDE at 0.062 mg/kg, DDT at 0.075 mg/kg, and chlordane at 0.074 mg/kg. No other organochlorinated pesticides were detected. Although above the laboratory reporting limits, the concentrations detected were all below their respective residential ESLs.

No detectable concentrations of organophosphorus pesticides, SVOCs or herbicides were detected above the laboratory reporting limits in any of the samples submitted for analyses. A summary of detected analytes and respective residential ESLs are presented in Table 1 and a copy of the laboratory analytical reports are included as Exhibit A.

CONCLUSIONS

This Limited Phase II assessment was conducted to assess the possible presence of impacted soil and/or soil gas resulting from past or current use of the Site. Soil gas samples collected from the former UST locations revealed concentrations of freon 113, acetone, carbon disulfide, chloroform, carbon tetrachloride, PCE, 2-butanone, 4-methyl-2-pentanone, toluene, ethylbenzene, xylenes, and 1,2,4-trimethylbenzene to be present in soil gas. However, with the exception of PCE, the concentrations detected are all below their respective ESL. The concentration of PCE detected in SGP-2-5 was reported at 22 ug/m^3. The Residential ESL for PCE is 15 ug/m^3.

The residential ESL for PCE is extremely conservative and should not be confused with regulatory cleanup standards. The presence of PCE in excess of the ESL does not necessarily indicate that an adverse impact to human health or the environment has occurred, it simply indicates that an adverse risk does exist, and that additional investigation may be warranted.

Soil samples collected from within the upper 18 inches of soil along the northern and eastern property boundary contained concentrations of metals that are consistent with normal background levels in the area of the Site. Soil samples collected from the central, eastern, and western portions of the Site contained low levels of organochlorine pesticides, however, the concentrations detected were all below their respective residential ESLs. No detectable concentrations of

organophosphorus pesticides, SVOCs, or herbicides were detected above the laboratory reporting limits in any of the samples submitted for analysis.

RECOMMENDATIONS

WEC recommends additional soil gas sampling be conducted near the former southeastern UST once over-excavation, site grading, and other earthwork activities have been completed to confirm the low-level detections of PCE do not pose a vapor intrusion threat to future residential dwellings or if mitigation measures, such as sub-slab vapor barriers, should be used during construction.

Although not part of this investigation, WEC personnel noted a large stockpile of railroad ties in the north central portion of the Site. A soil sample collected from this area revealed no detectable concentrations of chemicals associated with wood treatments, however, railroad ties are considered a hazardous waste and require special handling and disposal. Therefore, WEC recommends contacting San Joaquin Valley Railroad and requesting that any railroad ties located on the Site be properly removed.

LIMITATIONS

This report has been prepared for Bonadelle using the standard level of care ordinarily exercised by other consultants practicing in the same discipline and locale at the time the services were performed. WEC's conclusions are based on a limited number of samples and may not represent the condition of the entire Site. No warranties, either express or implied, are provided.

WEC appreciates the opportunity to work with you on this project. Please contact the WEC office at (559) 797-4181 if you have any questions or comments.

Regards,
Willbanks Environmental Consulting, Inc.

Charles Barsamian
Engineering Technician

Noelle Willbanks, P.E.
Principal Engineer

REGISTERED PROFESSIONAL ENGINEER
NOELLE A. WILLBANKS
No. C 67593
CIVIL
STATE OF CALIFORNIA

Tables

Table 1 – Results of Analyses of Detected Analytes in Soil and Soil Gas Samples

Figures

Figure 1 – Site Vicinity Map
Figure 2 – Site Map

Attachments

Exhibit A – Laboratory Analytical Report
Exhibit B – Soil Vapor Sampling Field Forms

Table 1

Summary of Results of Detected Analytes in Soil and Soil Gas Samples

Former Simonian Estates

1099, 1139 and 1183 South Armstrong Avenue, Fresno, California

Analyte	S-2-1	Comp #1	Comp #2	Comp #3	Comp #4	ESLs
CAM 17 Metals (EPA Method 6010) Concentrations reported in mg/kg						
Arsenic	2.1	3.1	NA	NA	4.0	0.067
Barium	71	68	NA	NA	65	*15,000*
Chromium	17	18	NA	NA	12	*160*
Cobalt	5.2	5.4	NA	NA	4.4	420
Copper	6.8	8.0	NA	NA	6.3	*3,100*
Lead	3.1	7.2	NA	NA	4.1	82
Nickel	10	11	NA	NA	7.7	15,000
Vanadium	33	36	NA	NA	31	*5,800*
Zinc	18	24	NA	NA	31	*23,000*
Organochlorinated Pesticides (EPA Method 8081A) Concentratons reported in mg/kg						
4,4'-DDT	NA	NA	0.031	ND (<0.0051)	0.075	1.9
4,4'-DDE	NA	NA	0.0056	0.022	0.062	1.8
Dieldrin	NA	NA	ND (<0.0051)	ND (<0.0051)	0.0092	0.037
Chlordane	NA	NA	ND (<0.051)	ND (<0.051)	0.074	0.48
Soil Gas Analysis (EPA Method TO-15) Concentrations reported in ug/m ^{3}						
	V-SGP-1-5	**V-SGP-2-5**	**V-SGP-3-5**	**V-SGP-4-5**	**ESLs**	
Freon 12	ND (<1.5)	ND (<1.5)	1.8	1.7	NE	
Freon 113	2.7	ND (<2.3)	ND (<2.3)	ND (<2.3)	NE	
Acetone	110	15	130	84	*1,100,000*	
Carbon Disulfide	1.2	ND (<0.93)	ND (<0.93)	ND (<0.93)	NE	
Methylene Chloride	ND (<1.0)	ND (<1.0)	5.3	ND (<1.0)	34	
Chloroform	ND (<1.5)	1.5	5.2	5.4	NE	
Carbon Tetrachloride	ND (<1.9)	2.4	ND (<1.9)	1.9	16	
2-Butanone	15	ND (<4.4)	26	16	NE	
4-Methyl-2-Pentanone	5.8	ND (<1.2)	2.3	1.3	NE	
Toluene	5.2	24	1.3	ND (<1.1)	*10,000*	
Tetrachloroethene	ND (<1.5)	22	2.9	2.5	15	
Ethylbenzene	1.4	ND (<1.3)	ND (<1.3)	ND (<1.3)	37	
1,2,4-Trimethylbenzene	4.9	ND (<1.5)	ND (<1.5)	ND (<1.5)	NE	
Xylenes	7.2	ND (<1.3)	ND (<1.3)	ND (<1.3)	*3,500*	
Leak Detection Compound Concentrations reported in ug/m ^{3}						
Isopropanol (IPA)	11	6.1	11	8.1	NE	

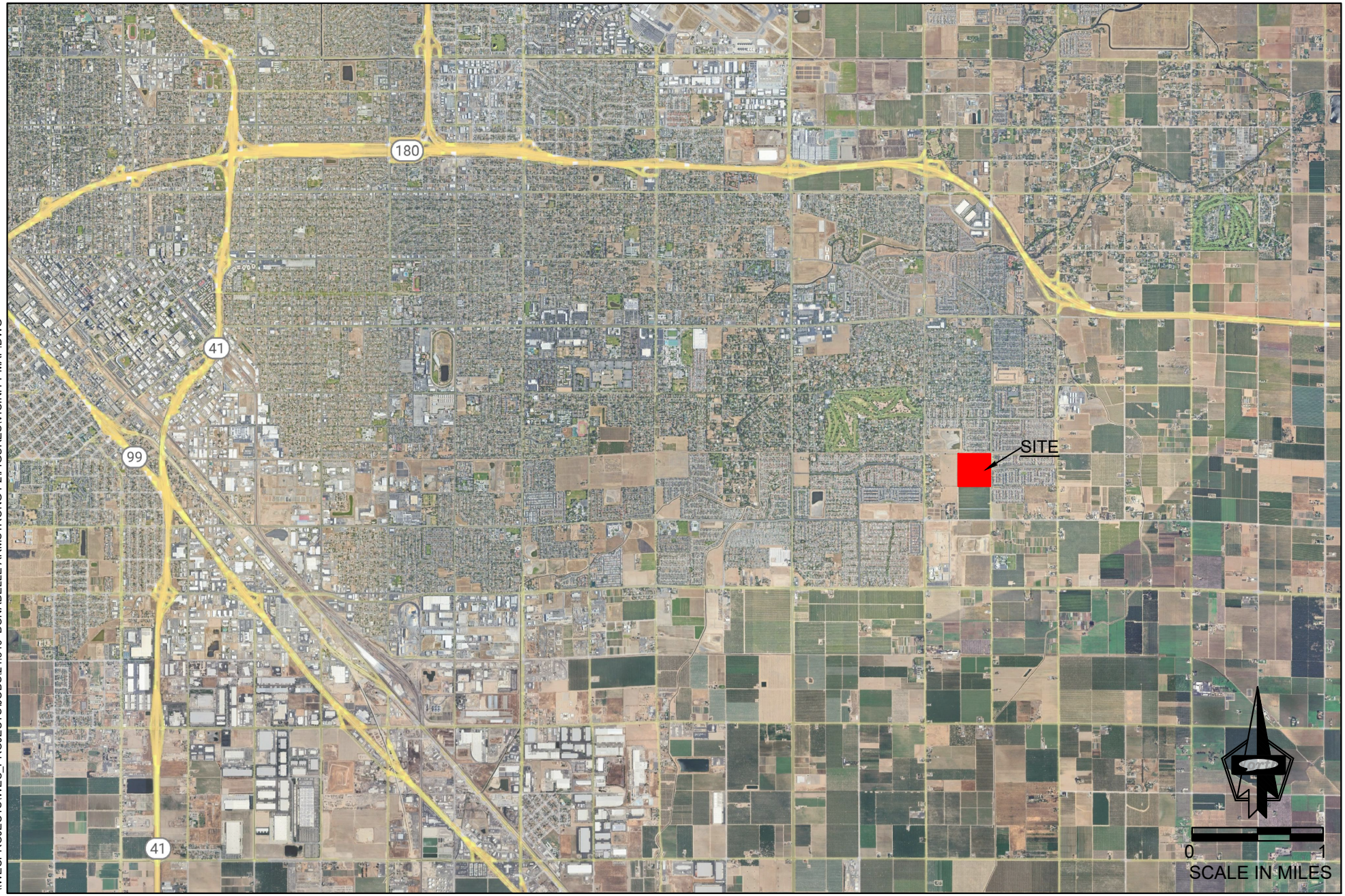
No Analytes were detected for SVOCs, OPPs, herbicides

< = Less than the specified laboratory reporting limit

ESLs = Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, (2019, Rev. 2) for Residential Cancer Risk and *Non-Cancer Risk where Cancer Risk is Not Established*), Table S-1.

NE = Not Established

NA = Not analyzed for this constituent



\\WECPROJECTS\WEC_PROJECTS\JOBS\24.340 BONADELLE ARMSTRONG P2\FIGURES\VICINITY MAP.DWG

WILLBANKS
ENVIRONMENTAL CONSULTING, INC

VICINITY MAP

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
BONADELLE DEVELOPMENT CORPORATION
1099 S ARMSTRONG, FRESNO, CALIFORNIA

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FIGURE 1

\\WECPROJECTS\WEC_PROJECTS\JOBS\24.340 BONADELLE ARMSTRONG P2\FIGURES\SITE MAP.DWG

WILLBANKS
ENVIRONMENTAL CONSULTING, INC

LEGEND

- SOIL GAS SAMPLE LOCATIONS
- SOIL SAMPLE LOCATIONS
- SITE BOUNDARY

SITE MAP

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
BONADELLE DEVELOPMENT CORPORATION
1099 S ARMSTRONG, FRESNO, CALIFORNIA

24.340 HD 9/5/2024 2:36 PM

FIGURE 2

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 514393
Report Level : II
Report Date : 09/04/2024

Analytical Report *prepared for:*

Charles Barsamian
Willbanks Environmental Consulting
8413 N. Millbrook Ave, Ste 110
Fresno, CA 93720

Project: BONADELLE ARMSTRONG - 23.340

Authorized for release by:

Richard Villafania, Project Manager
richard.villafania@enthalpy.com

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

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Charles Barsamian
Willbanks Environmental Consulting
8413 N. Millbrook Ave, Ste 110
Fresno, CA 93720

Lab Job #:	514393
Project No:	BONADELLE ARMSTRONG
Location:	23.340
Date Received:	08/20/24

Sample ID	Lab ID	Collected	Matrix
S-1-1	514393-001	08/16/24 10:25	Soil
S-2-1	514393-002	08/16/24 10:39	Soil
S-3-1	514393-003	08/16/24 10:55	Soil
S-4-1	514393-004	08/16/24 11:14	Soil
S-5-1	514393-005	08/16/24 11:30	Soil
S-6-1	514393-006	08/16/24 11:43	Soil
S-7-1	514393-007	08/16/24 12:02	Soil
S-8-1	514393-008	08/16/24 12:22	Soil
S-9-1	514393-009	08/16/24 12:30	Soil
S-10-1	514393-010	08/16/24 12:53	Soil
S-11-1	514393-011	08/16/24 13:04	Soil
S-12-1	514393-012	08/16/24 13:13	Soil
COMP#1 (S-1, S-3)	514393-013	08/20/24 00:00	Soil
COMP#2 (S-4,S-5,S-6)	514393-014	08/20/24 00:00	Soil
COMP#3 (S-7,S-8,S-9)	514393-015	08/20/24 00:00	Soil
COMP#4 (S-10,S-11,S-12)	514393-016	08/20/24 00:00	Soil

ENTHALPY ANALYTICAL

Case Narrative

Willbanks Environmental Consulting 8413 N. Millbrook Ave, Ste 110 Fresno, CA 93720 Charles Barsamian	Lab Job Number: 514393 Project No: BONADELLE ARMSTRONG Location: 23.340 Date Received: 08/20/24

This data package contains sample and QC results for three three-point soil composites, one soil sample, and one two-point soil composite, requested for the above referenced project on 08/20/24. The samples were received cold and intact.

Semivolatile Organics by GC/MS (EPA 8270C):
No analytical problems were encountered.

Pesticides (EPA 8081A):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- High responses were observed for beryllium and thallium in the ICV analyzed 08/26/24 15:01; affected data was qualified with "b".
- High responses were observed for beryllium and thallium in the CCV analyzed 08/26/24 16:11; affected data was qualified with "b".
- Low recoveries were observed for antimony in the MS/MSD for batch 348662; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. High recoveries were observed for barium, copper, and lead; the LCS was within limits. High RPD was observed for barium and lead.
- No other analytical problems were encountered.

Organophosphorus Pesticides (EPA 8141A):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

8151A Chlorinated Herbicides (EPA 8151A):
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Chain of Custody Record

Lab No: S14393

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only) IR02 CF+0.2 25.8 ≈ 26.0 KC P9L

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Willbanks Environmental Consulting	Name:	Bonadelle Armstrong
Report To:	Charles Barsamian	Number:	24.340
Email:	charles@wecenvironmental.com	P.O. #:	24.340
Address:	8413 N Millbrook Avenue, Suite 110	Address:	1099 South Armstorng Avenue
	Fresno, CA 93720		Fresno, CA
Phone:	559-797-4181	Global ID:	N/A
Fax:		Sampled By:	Charles Barsamian/Hannah DeWall

Analysis Request

#	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Organochlorinated Pesticides (8081B)	Organophosphorus Pesticides (614)	Chlorinated Herbicides (8151A)	CAM 17 (6010)	SVOCs (8270)	Test Instructions / Comments
1	S-1-1	08/16/24	10:25 AM	S	2"x6" S.S. tube	N/A			X	X	X	Comp #1 (S-1, S-2, S-3)
2	S-2-1	08/16/24	10:39 AM	S	2"x6" S.S. tube	N/A			X	X	X	
3	S-3-1	08/16/24	10:55 AM	S	2"x6" S.S. tube	N/A			X	X	X	
4	S-4-1	08/16/24	11:14 AM	S	2"x6" S.S. tube	N/A	X	X	X			Comp #2 (S-4, S-5, S-6)
5	S-5-1	08/16/24	11:30 AM	S	2"x6" S.S. tube	N/A	X	X	X			
6	S-6-1	08/16/24	11:43 AM	S	2"x6" S.S. tube	N/A	X	X	X			
7	S-7-1	08/16/24	12:02 PM	S	2"x6" S.S. tube	N/A	X	X	X			Comp #3 (S-7, S-8, S-9)
8	S-8-1	08/16/24	12:22 PM	S	2"x6" S.S. tube	N/A	X	X	X			
9	S-9-1	08/16/24	12:30 PM	S	2"x6" S.S. tube	N/A	X	X	X			
10	S-10-1	08/16/24	12:53 PM	S	2"x6" S.S. tube	N/A	X	X	X	X		Comp #4 (S-10, S-11, S-12)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Charles Barsamian	WEC / Eng. Tech	8/16/24 4:00 pm
1 Received By:	[signature]	G him	EA	11:20 ~~8/19/24~~ 8/20/24
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 514393

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Willbanks Environmental Consulting	Name:	Bonadelle Armstrong
Report To:	Charles Barsamian	Number:	24.340
Email:	charles@wecenvironmental.com	P.O. #:	24.340
Address:	8413 N Millbrook Avenue, Suite 110	Address:	1099 South Armstorng Avenue
	Fresno, CA 93720		Fresno, CA
Phone:	559-797-4181	Global ID:	N/A
Fax:		Sampled By:	Charles Barsamian/Hannah DeWall

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Organochlorinated Pesticides (8081B)	Organophosphorus Pesticides (614)	Chlorinated Herbicides (8151A)	CAM 17 (6010)	SVOCs (8270)	Test Instructions / Comments
1	S-11-1	08/16/24	1:04 PM	S	2"x6" S.S. tube	N/A	X	X	X	X		Comp #4 (S-10, S-11, S-12)
2	S-12-1	08/16/24	1:13 PM	S	2"x6" S.S. tube	N/A	X	X	X	X		
3												
4												
5												
6												
7												
8												
9												
10												

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		CHARLES BARSAMIAN	WEC / ENV. TECH	
[1] Received By:		G Kelm		11:20 8/19/24
[2] Relinquished By:				8/20/24
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 8/20/24 WO# 514393 Client: Willbanks Environmental Consulting

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 8/20/24 By (initials) 8/20/24 Type of ice used : ☐ Wet ☑ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR02 CF: +0.2

Cooler Temp (°C) #1: 25.8 / 26.0 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	x		
2) Is the sampler's name present on the CoC?	x		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	x		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	x		
5) Were all of, and only, the correct samples received?	x		
6) Are sample labels present, legible, and in agreement with the CoC?		x	
7) Does the container count match the CoC?	x		
8) Was sufficient sample volume / mass received for the analyses requested?	x		
9) Were samples received in proper containers for the analyses requested?	x		
10) Were samples received with > 1/2 holding time remaining?	x		
11) Are samples properly preserved as indicated by CoC / labels?	x		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			x
13) Are VOA vials free from headspace/bubbles > 6mm?			x

Section 5: Explanations / Comments ☐ **PM notified**

4.6: Sample 012: The label was distroyed in transit, but we were able to match by process of elimination.

Date Logged 8/20/24 **By (print)** KHH **(sign)** Cayce for KHH

Date Labeled 8/20/24 **By (print)** GCK **(sign)** Cayce

ENTHALPY ANALYTICAL

Analysis Results for 514393

Charles Barsamian
Willbanks Environmental Consulting
8413 N. Millbrook Ave, Ste 110
Fresno, CA 93720

Lab Job #: 514393
Project No: BONADELLE ARMSTRONG
Location: 23.340
Date Received: 08/20/24

Sample ID: S-2-1 **Lab ID: 514393-002** **Collected: 08/16/24 10:39**
Matrix: Soil

514393-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.95	348662	08/26/24	08/26/24	CAP
Arsenic	**2.1**		mg/Kg	0.95	0.95	348662	08/26/24	08/26/24	CAP
Barium	**71**		mg/Kg	0.95	0.95	348662	08/26/24	08/26/24	CAP
Beryllium	ND		mg/Kg	0.48	0.95	348662	08/26/24	08/26/24	CAP
Cadmium	ND		mg/Kg	0.48	0.95	348662	08/26/24	08/26/24	CAP
Chromium	**17**		mg/Kg	0.95	0.95	348662	08/26/24	08/26/24	CAP
Cobalt	**5.2**		mg/Kg	0.48	0.95	348662	08/26/24	08/26/24	CAP
Copper	**6.8**		mg/Kg	0.95	0.95	348662	08/26/24	08/26/24	CAP
Lead	**3.1**		mg/Kg	0.95	0.95	348662	08/26/24	08/26/24	CAP
Molybdenum	ND		mg/Kg	0.95	0.95	348662	08/26/24	08/26/24	CAP
Nickel	**10**		mg/Kg	0.95	0.95	348662	08/26/24	08/26/24	CAP
Selenium	ND		mg/Kg	2.9	0.95	348662	08/26/24	08/26/24	CAP
Silver	ND		mg/Kg	0.48	0.95	348662	08/26/24	08/26/24	CAP
Thallium	ND		mg/Kg	2.9	0.95	348662	08/26/24	08/26/24	CAP
Vanadium	**33**		mg/Kg	0.95	0.95	348662	08/26/24	08/26/24	CAP
Zinc	**18**		mg/Kg	4.8	0.95	348662	08/26/24	08/26/24	CAP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	348395	08/22/24	08/22/24	MLL
Method: EPA 8270C Prep Method: EPA 3546									
Carbazole	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
1-Methylnaphthalene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Pyridine	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
N-Nitrosodimethylamine	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Phenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Aniline	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
bis(2-Chloroethyl)ether	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
2-Chlorophenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
1,3-Dichlorobenzene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
1,4-Dichlorobenzene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Benzyl alcohol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
1,2-Dichlorobenzene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2-Methylphenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
bis(2-Chloroisopropyl) ether	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
3-,4-Methylphenol	ND		mg/Kg	0.40	1	348491	08/23/24	08/25/24	ZFA
N-Nitroso-di-n-propylamine	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Hexachloroethane	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Nitrobenzene	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
Isophorone	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2-Nitrophenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 514393

514393-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
2,4-Dimethylphenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Benzoic acid	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
bis(2-Chloroethoxy)methane	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2,4-Dichlorophenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
1,2,4-Trichlorobenzene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Naphthalene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
4-Chloroaniline	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Hexachlorobutadiene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
4-Chloro-3-methylphenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2-Methylnaphthalene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Hexachlorocyclopentadiene	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
2,4,6-Trichlorophenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2,4,5-Trichlorophenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2-Chloronaphthalene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2-Nitroaniline	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Dimethylphthalate	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Acenaphthylene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2,6-Dinitrotoluene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
3-Nitroaniline	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Acenaphthene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2,4-Dinitrophenol	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
4-Nitrophenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Dibenzofuran	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2,4-Dinitrotoluene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Diethylphthalate	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Fluorene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
4-Chlorophenyl-phenylether	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
4-Nitroaniline	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
4,6-Dinitro-2-methylphenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
N-Nitrosodiphenylamine	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
1,2-diphenylhydrazine (as azobenzene)	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
4-Bromophenyl-phenylether	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Hexachlorobenzene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Pentachlorophenol	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
Phenanthrene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Anthracene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Di-n-butylphthalate	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Fluoranthene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Benzidine	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
Pyrene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Butylbenzylphthalate	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
3,3'-Dichlorobenzidine	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
Benzo(a)anthracene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Chrysene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
bis(2-Ethylhexyl)phthalate	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Di-n-octylphthalate	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Benzo(b)fluoranthene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Benzo(k)fluoranthene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Benzo(a)pyrene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Indeno(1,2,3-cd)pyrene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Dibenz(a,h)anthracene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA

Results for any subcontracted analyses are not included in this section.

Analysis Results for 514393

514393-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Benzo(g,h,i)perylene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Surrogates				**Limits**					
2-Fluorophenol	65%		%REC	29-120	1	348491	08/23/24	08/25/24	ZFA
Phenol-d6	74%		%REC	30-120	1	348491	08/23/24	08/25/24	ZFA
2,4,6-Tribromophenol	61%		%REC	32-120	1	348491	08/23/24	08/25/24	ZFA
Nitrobenzene-d5	85%		%REC	33-120	1	348491	08/23/24	08/25/24	ZFA
2-Fluorobiphenyl	90%		%REC	39-120	1	348491	08/23/24	08/25/24	ZFA
Terphenyl-d14	77%		%REC	44-125	1	348491	08/23/24	08/25/24	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 514393

Sample ID: COMP#1 (S-1, S-3)	Lab ID: 514393-013	Collected: 08/20/24
	Matrix: Soil	

514393-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.0	0.99	348662	08/26/24	08/26/24	CAP
Arsenic	**3.1**		mg/Kg	0.99	0.99	348662	08/26/24	08/26/24	CAP
Barium	**68**		mg/Kg	0.99	0.99	348662	08/26/24	08/26/24	CAP
Beryllium	ND		mg/Kg	0.50	0.99	348662	08/26/24	08/26/24	CAP
Cadmium	ND		mg/Kg	0.50	0.99	348662	08/26/24	08/26/24	CAP
Chromium	**18**		mg/Kg	0.99	0.99	348662	08/26/24	08/26/24	CAP
Cobalt	**5.4**		mg/Kg	0.50	0.99	348662	08/26/24	08/26/24	CAP
Copper	**8.0**		mg/Kg	0.99	0.99	348662	08/26/24	08/26/24	CAP
Lead	**7.2**		mg/Kg	0.99	0.99	348662	08/26/24	08/26/24	CAP
Molybdenum	ND		mg/Kg	0.99	0.99	348662	08/26/24	08/26/24	CAP
Nickel	**11**		mg/Kg	0.99	0.99	348662	08/26/24	08/26/24	CAP
Selenium	ND		mg/Kg	3.0	0.99	348662	08/26/24	08/26/24	CAP
Silver	ND		mg/Kg	0.50	0.99	348662	08/26/24	08/26/24	CAP
Thallium	ND		mg/Kg	3.0	0.99	348662	08/26/24	08/26/24	CAP
Vanadium	**36**		mg/Kg	0.99	0.99	348662	08/26/24	08/26/24	CAP
Zinc	**24**		mg/Kg	5.0	0.99	348662	08/26/24	08/26/24	CAP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	348395	08/22/24	08/22/24	MLL
Method: EPA 8270C Prep Method: EPA 3546									
Carbazole	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
1-Methylnaphthalene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Pyridine	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
N-Nitrosodimethylamine	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Phenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Aniline	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
bis(2-Chloroethyl)ether	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
2-Chlorophenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
1,3-Dichlorobenzene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
1,4-Dichlorobenzene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Benzyl alcohol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
1,2-Dichlorobenzene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2-Methylphenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
bis(2-Chloroisopropyl) ether	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
3-,4-Methylphenol	ND		mg/Kg	0.40	1	348491	08/23/24	08/25/24	ZFA
N-Nitroso-di-n-propylamine	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Hexachloroethane	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Nitrobenzene	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
Isophorone	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2-Nitrophenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2,4-Dimethylphenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Benzoic acid	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
bis(2-Chloroethoxy)methane	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2,4-Dichlorophenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 514393

514393-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,2,4-Trichlorobenzene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Naphthalene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
4-Chloroaniline	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Hexachlorobutadiene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
4-Chloro-3-methylphenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2-Methylnaphthalene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Hexachlorocyclopentadiene	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
2,4,6-Trichlorophenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2,4,5-Trichlorophenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2-Chloronaphthalene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2-Nitroaniline	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Dimethylphthalate	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Acenaphthylene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2,6-Dinitrotoluene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
3-Nitroaniline	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Acenaphthene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2,4-Dinitrophenol	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
4-Nitrophenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Dibenzofuran	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
2,4-Dinitrotoluene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Diethylphthalate	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Fluorene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
4-Chlorophenyl-phenylether	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
4-Nitroaniline	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
4,6-Dinitro-2-methylphenol	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
N-Nitrosodiphenylamine	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
1,2-diphenylhydrazine (as azobenzene)	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
4-Bromophenyl-phenylether	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Hexachlorobenzene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Pentachlorophenol	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
Phenanthrene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Anthracene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Di-n-butylphthalate	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Fluoranthene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Benzidine	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
Pyrene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Butylbenzylphthalate	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
3,3'-Dichlorobenzidine	ND		mg/Kg	1.2	1	348491	08/23/24	08/25/24	ZFA
Benzo(a)anthracene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Chrysene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
bis(2-Ethylhexyl)phthalate	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Di-n-octylphthalate	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Benzo(b)fluoranthene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Benzo(k)fluoranthene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Benzo(a)pyrene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Indeno(1,2,3-cd)pyrene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Dibenz(a,h)anthracene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Benzo(g,h,i)perylene	ND		mg/Kg	0.25	1	348491	08/23/24	08/25/24	ZFA
Surrogates				**Limits**					
2-Fluorophenol	74%		%REC	29-120	1	348491	08/23/24	08/25/24	ZFA
Phenol-d6	80%		%REC	30-120	1	348491	08/23/24	08/25/24	ZFA
2,4,6-Tribromophenol	76%		%REC	32-120	1	348491	08/23/24	08/25/24	ZFA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 514393

514393-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Nitrobenzene-d5	89%		%REC	33-120	1	348491	08/23/24	08/25/24	ZFA
2-Fluorobiphenyl	93%		%REC	39-120	1	348491	08/23/24	08/25/24	ZFA
Terphenyl-d14	85%		%REC	44-125	1	348491	08/23/24	08/25/24	ZFA

Sample ID: COMP#2 (S-4,S-5,S-6) **Lab ID: 514393-014** **Collected: 08/20/24**
Matrix: Soil

514393-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
beta-BHC	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
gamma-BHC	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
delta-BHC	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Heptachlor	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Aldrin	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Heptachlor epoxide	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Endosulfan I	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Dieldrin	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
4,4'-DDE	**0.031**	#	mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Endrin	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Endosulfan II	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Endosulfan sulfate	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
4,4'-DDD	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Endrin aldehyde	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Endrin ketone	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
4,4'-DDT	**0.0056**	#	mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Methoxychlor	ND		mg/Kg	0.010	1	348641	08/26/24	08/27/24	MES
Toxaphene	ND		mg/Kg	0.10	1	348641	08/26/24	08/27/24	MES
Chlordane (Technical)	ND		mg/Kg	0.051	1	348641	08/26/24	08/27/24	MES
Surrogates				**Limits**					
TCMX	77%		%REC	23-120	1	348641	08/26/24	08/27/24	MES
Decachlorobiphenyl	67%		%REC	24-120	1	348641	08/26/24	08/27/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 514393

Sample ID: COMP#3 (S-7,S-8,S-9)	Lab ID: 514393-015	Collected: 08/20/24
	Matrix: Soil	

514393-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
beta-BHC	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
gamma-BHC	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
delta-BHC	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Heptachlor	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Aldrin	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Heptachlor epoxide	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Endosulfan I	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Dieldrin	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
4,4'-DDE	**0.022**	#	mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Endrin	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Endosulfan II	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Endosulfan sulfate	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
4,4'-DDD	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Endrin aldehyde	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Endrin ketone	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
4,4'-DDT	ND		mg/Kg	0.0051	1	348641	08/26/24	08/27/24	MES
Methoxychlor	ND		mg/Kg	0.010	1	348641	08/26/24	08/27/24	MES
Toxaphene	ND		mg/Kg	0.10	1	348641	08/26/24	08/27/24	MES
Chlordane (Technical)	ND		mg/Kg	0.051	1	348641	08/26/24	08/27/24	MES
Surrogates				**Limits**					
TCMX	71%		%REC	23-120	1	348641	08/26/24	08/27/24	MES
Decachlorobiphenyl	61%		%REC	24-120	1	348641	08/26/24	08/27/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 514393

Sample ID:	Lab ID: 514393-016	Collected: 08/20/24
COMP#4 (S-10,S-11,S-12)	Matrix: Soil	

514393-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.0	1	348662	08/26/24	08/26/24	CAP
Arsenic	**4.0**		mg/Kg	1.0	1	348662	08/26/24	08/26/24	CAP
Barium	**65**		mg/Kg	1.0	1	348662	08/26/24	08/26/24	CAP
Beryllium	ND		mg/Kg	0.50	1	348662	08/26/24	08/26/24	CAP
Cadmium	ND		mg/Kg	0.50	1	348662	08/26/24	08/26/24	CAP
Chromium	**12**		mg/Kg	1.0	1	348662	08/26/24	08/26/24	CAP
Cobalt	**4.4**		mg/Kg	0.50	1	348662	08/26/24	08/26/24	CAP
Copper	**6.3**		mg/Kg	1.0	1	348662	08/26/24	08/26/24	CAP
Lead	**4.1**		mg/Kg	1.0	1	348662	08/26/24	08/26/24	CAP
Molybdenum	ND		mg/Kg	1.0	1	348662	08/26/24	08/26/24	CAP
Nickel	**7.7**		mg/Kg	1.0	1	348662	08/26/24	08/26/24	CAP
Selenium	ND		mg/Kg	3.0	1	348662	08/26/24	08/26/24	CAP
Silver	ND		mg/Kg	0.50	1	348662	08/26/24	08/26/24	CAP
Thallium	ND		mg/Kg	3.0	1	348662	08/26/24	08/26/24	CAP
Vanadium	**31**		mg/Kg	1.0	1	348662	08/26/24	08/26/24	CAP
Zinc	**31**		mg/Kg	5.0	1	348662	08/26/24	08/26/24	CAP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.1	348395	08/22/24	08/22/24	MLL
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
beta-BHC	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
gamma-BHC	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
delta-BHC	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
Heptachlor	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
Aldrin	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
Heptachlor epoxide	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
Endosulfan I	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
Dieldrin	**0.0092**	#	mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
4,4'-DDE	**0.062**	#	mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
Endrin	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
Endosulfan II	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
Endosulfan sulfate	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
4,4'-DDD	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
Endrin aldehyde	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
Endrin ketone	ND		mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
4,4'-DDT	**0.075**	#	mg/Kg	0.0050	1	348641	08/26/24	08/27/24	MES
Methoxychlor	ND		mg/Kg	0.010	1	348641	08/26/24	08/27/24	MES
Toxaphene	ND		mg/Kg	0.10	1	348641	08/26/24	08/27/24	MES
Chlordane (Technical)	**0.074**		mg/Kg	0.050	1	348641	08/26/24	08/27/24	MES
Surrogates				**Limits**					
TCMX	72%		%REC	23-120	1	348641	08/26/24	08/27/24	MES
Decachlorobiphenyl	65%		%REC	24-120	1	348641	08/26/24	08/27/24	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 514393

#	CCV drift outside limits; average CCV drift within limits per method requirements
ND	Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1181235	Batch: 348662
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1181235 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	08/26/24	08/26/24
Arsenic	ND		mg/Kg	1.0	08/26/24	08/26/24
Barium	ND		mg/Kg	1.0	08/26/24	08/26/24
Beryllium	ND		mg/Kg	0.50	08/26/24	08/26/24
Cadmium	ND		mg/Kg	0.50	08/26/24	08/26/24
Chromium	ND		mg/Kg	1.0	08/26/24	08/26/24
Cobalt	ND		mg/Kg	0.50	08/26/24	08/26/24
Copper	ND		mg/Kg	1.0	08/26/24	08/26/24
Lead	ND		mg/Kg	1.0	08/26/24	08/26/24
Molybdenum	ND		mg/Kg	1.0	08/26/24	08/26/24
Nickel	ND		mg/Kg	1.0	08/26/24	08/26/24
Selenium	ND		mg/Kg	3.0	08/26/24	08/26/24
Silver	ND		mg/Kg	0.50	08/26/24	08/26/24
Thallium	ND		mg/Kg	3.0	08/26/24	08/26/24
Vanadium	ND		mg/Kg	1.0	08/26/24	08/26/24
Zinc	ND		mg/Kg	5.0	08/26/24	08/26/24

Type: Lab Control Sample	Lab ID: QC1181236	Batch: 348662
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1181236 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	93.72	100.0	mg/Kg	94%		80-120
Arsenic	102.2	100.0	mg/Kg	102%		80-120
Barium	107.2	100.0	mg/Kg	107%		80-120
Beryllium	117.2	100.0	mg/Kg	117%	b	80-120
Cadmium	105.9	100.0	mg/Kg	106%		80-120
Chromium	102.7	100.0	mg/Kg	103%		80-120
Cobalt	110.1	100.0	mg/Kg	110%		80-120
Copper	103.3	100.0	mg/Kg	103%		80-120
Lead	106.7	100.0	mg/Kg	107%		80-120
Molybdenum	103.4	100.0	mg/Kg	103%		80-120
Nickel	105.5	100.0	mg/Kg	106%		80-120
Selenium	97.48	100.0	mg/Kg	97%		80-120
Silver	49.58	50.00	mg/Kg	99%		80-120
Thallium	114.3	100.0	mg/Kg	114%	b	80-120
Vanadium	103.4	100.0	mg/Kg	103%		80-120
Zinc	97.22	100.0	mg/Kg	97%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1181237	Batch:	348662
Matrix (Source ID):	Soil (514470-025)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1181237 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	35.15	ND	95.24	mg/Kg	37%	*	75-125	0.95
Arsenic	128.3	28.59	95.24	mg/Kg	105%		75-125	0.95
Barium	318.0	128.5	95.24	mg/Kg	199%	*	75-125	0.95
Beryllium	114.2	0.4071	95.24	mg/Kg	119%	b	75-125	0.95
Cadmium	100.5	0.2293	95.24	mg/Kg	105%		75-125	0.95
Chromium	140.8	38.87	95.24	mg/Kg	107%		75-125	0.95
Cobalt	115.7	11.60	95.24	mg/Kg	109%		75-125	0.95
Copper	159.6	39.16	95.24	mg/Kg	126%	*	75-125	0.95
Lead	171.2	44.55	95.24	mg/Kg	133%	*	75-125	0.95
Molybdenum	96.41	ND	95.24	mg/Kg	101%		75-125	0.95
Nickel	138.9	33.64	95.24	mg/Kg	110%		75-125	0.95
Selenium	93.90	0.9640	95.24	mg/Kg	98%		75-125	0.95
Silver	49.28	ND	47.62	mg/Kg	103%		75-125	0.95
Thallium	109.0	ND	95.24	mg/Kg	114%	b	75-125	0.95
Vanadium	162.5	57.92	95.24	mg/Kg	110%		75-125	0.95
Zinc	171.5	63.91	95.24	mg/Kg	113%		75-125	0.95

Type:	Matrix Spike Duplicate	Lab ID:	QC1181238	Batch:	348662
Matrix (Source ID):	Soil (514470-025)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1181238 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	38.81	ND	98.04	mg/Kg	40%	*	75-125	7	41	0.98
Arsenic	137.8	28.59	98.04	mg/Kg	111%		75-125	5	35	0.98
Barium	252.8	128.5	98.04	mg/Kg	127%	*	75-125	24*	20	0.98
Beryllium	117.4	0.4071	98.04	mg/Kg	119%	b	75-125	0	20	0.98
Cadmium	103.5	0.2293	98.04	mg/Kg	105%		75-125	0	20	0.98
Chromium	142.9	38.87	98.04	mg/Kg	106%		75-125	1	20	0.98
Cobalt	118.6	11.60	98.04	mg/Kg	109%		75-125	0	20	0.98
Copper	168.5	39.16	98.04	mg/Kg	132%	*	75-125	3	20	0.98
Lead	282.9	44.55	98.04	mg/Kg	243%	*	75-125	47*	20	0.98
Molybdenum	99.25	ND	98.04	mg/Kg	101%		75-125	0	20	0.98
Nickel	142.5	33.64	98.04	mg/Kg	111%		75-125	0	20	0.98
Selenium	96.97	0.9640	98.04	mg/Kg	98%		75-125	0	20	0.98
Silver	50.74	ND	49.02	mg/Kg	104%		75-125	0	20	0.98
Thallium	111.9	ND	98.04	mg/Kg	114%	b	75-125	0	20	0.98
Vanadium	164.6	57.92	98.04	mg/Kg	109%		75-125	1	20	0.98
Zinc	176.7	63.91	98.04	mg/Kg	115%		75-125	1	20	0.98

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Batch QC

Type:	Post Digest Spike	Lab ID:	QC1181239	Batch:	348662
Matrix (Source ID):	Soil (514470-025)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1181239 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	99.13	ND	100.0	mg/Kg	99%		75-125	1
Arsenic	128.6	28.59	100.0	mg/Kg	100%		75-125	1
Barium	228.2	128.5	100.0	mg/Kg	100%		75-125	1
Beryllium	115.1	0.4071	100.0	mg/Kg	115%	b	75-125	1
Cadmium	101.6	0.2293	100.0	mg/Kg	101%		75-125	1
Chromium	137.3	38.87	100.0	mg/Kg	98%		75-125	1
Cobalt	116.3	11.60	100.0	mg/Kg	105%		75-125	1
Copper	146.1	39.16	100.0	mg/Kg	107%		75-125	1
Lead	146.3	44.55	100.0	mg/Kg	102%		75-125	1
Molybdenum	104.3	ND	100.0	mg/Kg	104%		75-125	1
Nickel	134.8	33.64	100.0	mg/Kg	101%		75-125	1
Selenium	98.05	0.9640	100.0	mg/Kg	97%		75-125	1
Silver	49.87	ND	50.00	mg/Kg	100%		75-125	1
Thallium	111.6	ND	100.0	mg/Kg	112%	b	75-125	1
Vanadium	158.5	57.92	100.0	mg/Kg	101%		75-125	1
Zinc	154.3	63.91	100.0	mg/Kg	90%		75-125	1

Type:	Blank	Lab ID:	QC1180320	Batch:	348395
Matrix:	Miscell.	Method:	EPA 7471A	Prep Method:	METHOD

QC1180320 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	08/22/24	08/22/24

Type:	Lab Control Sample	Lab ID:	QC1180321	Batch:	348395
Matrix:	Miscell.	Method:	EPA 7471A	Prep Method:	METHOD

QC1180321 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8682	0.8333	mg/Kg	104%		80-120

Type:	Matrix Spike	Lab ID:	QC1180322	Batch:	348395
Matrix (Source ID):	Soil (514397-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC1180322 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1.130	0.1012	0.9615	mg/Kg	107%		75-125	1.2

Type:	Matrix Spike Duplicate	Lab ID:	QC1180323	Batch:	348395
Matrix (Source ID):	Soil (514397-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC1180323 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.9674	0.1012	0.8475	mg/Kg	102%		75-125	4	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1181172**	**Batch:**	**348641**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1181172 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		mg/Kg	0.0049	08/26/24	08/27/24
beta-BHC	ND		mg/Kg	0.0049	08/26/24	08/27/24
gamma-BHC	ND		mg/Kg	0.0049	08/26/24	08/27/24
delta-BHC	ND		mg/Kg	0.0049	08/26/24	08/27/24
Heptachlor	ND		mg/Kg	0.0049	08/26/24	08/27/24
Aldrin	ND		mg/Kg	0.0049	08/26/24	08/27/24
Heptachlor epoxide	ND		mg/Kg	0.0049	08/26/24	08/27/24
Endosulfan I	ND		mg/Kg	0.0049	08/26/24	08/27/24
Dieldrin	ND		mg/Kg	0.0049	08/26/24	08/27/24
4,4'-DDE	ND		mg/Kg	0.0049	08/26/24	08/27/24
Endrin	ND		mg/Kg	0.0049	08/26/24	08/27/24
Endosulfan II	ND		mg/Kg	0.0049	08/26/24	08/27/24
Endosulfan sulfate	ND		mg/Kg	0.0049	08/26/24	08/27/24
4,4'-DDD	ND		mg/Kg	0.0049	08/26/24	08/27/24
Endrin aldehyde	ND		mg/Kg	0.0049	08/26/24	08/27/24
Endrin ketone	ND		mg/Kg	0.0049	08/26/24	08/27/24
4,4'-DDT	ND		mg/Kg	0.0049	08/26/24	08/27/24
Methoxychlor	ND		mg/Kg	0.0098	08/26/24	08/27/24
Toxaphene	ND		mg/Kg	0.098	08/26/24	08/27/24
Chlordane (Technical)	ND		mg/Kg	0.049	08/26/24	08/27/24
Surrogates				**Limits**		
TCMX	90%		%REC	23-120	08/26/24	08/27/24
Decachlorobiphenyl	74%		%REC	24-120	08/26/24	08/27/24

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1181173**	**Batch: 348641**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1181173 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.04353	0.04902	mg/Kg	89%		22-129
beta-BHC	0.04794	0.04902	mg/Kg	98%		28-125
gamma-BHC	0.04368	0.04902	mg/Kg	89%		22-128
delta-BHC	0.04590	0.04902	mg/Kg	94%		24-131
Heptachlor	0.04242	0.04902	mg/Kg	87%		18-124
Aldrin	0.03527	0.04902	mg/Kg	72%		23-120
Heptachlor epoxide	0.04072	0.04902	mg/Kg	83%		26-120
Endosulfan I	0.04129	0.04902	mg/Kg	84%	#	25-126
Dieldrin	0.05182	0.04902	mg/Kg	106%	#	23-124
4,4'-DDE	0.04470	0.04902	mg/Kg	91%	#	28-121
Endrin	0.04562	0.04902	mg/Kg	93%		25-127
Endosulfan II	0.04219	0.04902	mg/Kg	86%	#	29-121
Endosulfan sulfate	0.03315	0.04902	mg/Kg	68%	#	30-121
4,4'-DDD	0.04174	0.04902	mg/Kg	85%	#	26-120
Endrin aldehyde	0.02978	0.04902	mg/Kg	61%		10-120
Endrin ketone	0.04518	0.04902	mg/Kg	92%	#	28-125
4,4'-DDT	0.04223	0.04902	mg/Kg	86%	#	22-125
Methoxychlor	0.04342	0.04902	mg/Kg	89%	#	28-130
Surrogates						
TCMX	0.04439	0.04902	mg/Kg	91%		23-120
Decachlorobiphenyl	0.04374	0.04902	mg/Kg	89%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1180646**	**Batch:**	**348491**
Matrix:	**Soil**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3546**

QC1180646 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Carbazole	ND		mg/Kg	0.25	08/23/24	08/24/24
1-Methylnaphthalene	ND		mg/Kg	0.25	08/23/24	08/24/24
Pyridine	ND		mg/Kg	0.25	08/23/24	08/24/24
N-Nitrosodimethylamine	ND		mg/Kg	0.25	08/23/24	08/24/24
Phenol	ND		mg/Kg	0.25	08/23/24	08/24/24
Aniline	ND		mg/Kg	0.25	08/23/24	08/24/24
bis(2-Chloroethyl)ether	ND		mg/Kg	1.2	08/23/24	08/24/24
2-Chlorophenol	ND		mg/Kg	0.25	08/23/24	08/24/24
1,3-Dichlorobenzene	ND		mg/Kg	0.25	08/23/24	08/24/24
1,4-Dichlorobenzene	ND		mg/Kg	0.25	08/23/24	08/24/24
Benzyl alcohol	ND		mg/Kg	0.25	08/23/24	08/24/24
1,2-Dichlorobenzene	ND		mg/Kg	0.25	08/23/24	08/24/24
2-Methylphenol	ND		mg/Kg	0.25	08/23/24	08/24/24
bis(2-Chloroisopropyl) ether	ND		mg/Kg	0.25	08/23/24	08/24/24
3-,4-Methylphenol	ND		mg/Kg	0.40	08/23/24	08/24/24
N-Nitroso-di-n-propylamine	ND		mg/Kg	0.25	08/23/24	08/24/24
Hexachloroethane	ND		mg/Kg	0.25	08/23/24	08/24/24
Nitrobenzene	ND		mg/Kg	1.2	08/23/24	08/24/24
Isophorone	ND		mg/Kg	0.25	08/23/24	08/24/24
2-Nitrophenol	ND		mg/Kg	0.25	08/23/24	08/24/24
2,4-Dimethylphenol	ND		mg/Kg	0.25	08/23/24	08/24/24
Benzoic acid	ND		mg/Kg	1.2	08/23/24	08/24/24
bis(2-Chloroethoxy)methane	ND		mg/Kg	0.25	08/23/24	08/24/24
2,4-Dichlorophenol	ND		mg/Kg	0.25	08/23/24	08/24/24
1,2,4-Trichlorobenzene	ND		mg/Kg	0.25	08/23/24	08/24/24
Naphthalene	ND		mg/Kg	0.25	08/23/24	08/24/24
4-Chloroaniline	ND		mg/Kg	0.25	08/23/24	08/24/24
Hexachlorobutadiene	ND		mg/Kg	0.25	08/23/24	08/24/24
4-Chloro-3-methylphenol	ND		mg/Kg	0.25	08/23/24	08/24/24
2-Methylnaphthalene	ND		mg/Kg	0.25	08/23/24	08/24/24
Hexachlorocyclopentadiene	ND		mg/Kg	1.2	08/23/24	08/24/24
2,4,6-Trichlorophenol	ND		mg/Kg	0.25	08/23/24	08/24/24
2,4,5-Trichlorophenol	ND		mg/Kg	0.25	08/23/24	08/24/24
2-Chloronaphthalene	ND		mg/Kg	0.25	08/23/24	08/24/24
2-Nitroaniline	ND		mg/Kg	0.25	08/23/24	08/24/24
Dimethylphthalate	ND		mg/Kg	0.25	08/23/24	08/24/24
Acenaphthylene	ND		mg/Kg	0.25	08/23/24	08/24/24
2,6-Dinitrotoluene	ND		mg/Kg	0.25	08/23/24	08/24/24
3-Nitroaniline	ND		mg/Kg	0.25	08/23/24	08/24/24
Acenaphthene	ND		mg/Kg	0.25	08/23/24	08/24/24
2,4-Dinitrophenol	ND		mg/Kg	1.2	08/23/24	08/24/24
4-Nitrophenol	ND		mg/Kg	0.25	08/23/24	08/24/24
Dibenzofuran	ND		mg/Kg	0.25	08/23/24	08/24/24
2,4-Dinitrotoluene	ND		mg/Kg	0.25	08/23/24	08/24/24
Diethylphthalate	ND		mg/Kg	0.25	08/23/24	08/24/24
Fluorene	ND		mg/Kg	0.25	08/23/24	08/24/24
4-Chlorophenyl-phenylether	ND		mg/Kg	0.25	08/23/24	08/24/24

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Batch QC

QC1180646 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
4-Nitroaniline	ND		mg/Kg	0.25	08/23/24	08/24/24
4,6-Dinitro-2-methylphenol	ND		mg/Kg	0.25	08/23/24	08/24/24
N-Nitrosodiphenylamine	ND		mg/Kg	0.25	08/23/24	08/24/24
1,2-diphenylhydrazine (as azobenzene)	ND		mg/Kg	0.25	08/23/24	08/24/24
4-Bromophenyl-phenylether	ND		mg/Kg	0.25	08/23/24	08/24/24
Hexachlorobenzene	ND		mg/Kg	0.25	08/23/24	08/24/24
Pentachlorophenol	ND		mg/Kg	1.2	08/23/24	08/24/24
Phenanthrene	ND		mg/Kg	0.25	08/23/24	08/24/24
Anthracene	ND		mg/Kg	0.25	08/23/24	08/24/24
Di-n-butylphthalate	ND		mg/Kg	0.25	08/23/24	08/24/24
Fluoranthene	ND		mg/Kg	0.25	08/23/24	08/24/24
Benzidine	ND		mg/Kg	1.2	08/23/24	08/24/24
Pyrene	ND		mg/Kg	0.25	08/23/24	08/24/24
Butylbenzylphthalate	ND		mg/Kg	0.25	08/23/24	08/24/24
3,3'-Dichlorobenzidine	ND		mg/Kg	1.2	08/23/24	08/24/24
Benzo(a)anthracene	ND		mg/Kg	0.25	08/23/24	08/24/24
Chrysene	ND		mg/Kg	0.25	08/23/24	08/24/24
bis(2-Ethylhexyl)phthalate	ND		mg/Kg	0.25	08/23/24	08/24/24
Di-n-octylphthalate	ND		mg/Kg	0.25	08/23/24	08/24/24
Benzo(b)fluoranthene	ND		mg/Kg	0.25	08/23/24	08/24/24
Benzo(k)fluoranthene	ND		mg/Kg	0.25	08/23/24	08/24/24
Benzo(a)pyrene	ND		mg/Kg	0.25	08/23/24	08/24/24
Indeno(1,2,3-cd)pyrene	ND		mg/Kg	0.25	08/23/24	08/24/24
Dibenz(a,h)anthracene	ND		mg/Kg	0.25	08/23/24	08/24/24
Benzo(g,h,i)perylene	ND		mg/Kg	0.25	08/23/24	08/24/24
Surrogates				**Limits**		
2-Fluorophenol	72%		%REC	29-120	08/23/24	08/24/24
Phenol-d6	72%		%REC	30-120	08/23/24	08/24/24
2,4,6-Tribromophenol	68%		%REC	32-120	08/23/24	08/24/24
Nitrobenzene-d5	75%		%REC	33-120	08/23/24	08/24/24
2-Fluorobiphenyl	77%		%REC	39-120	08/23/24	08/24/24
Terphenyl-d14	77%		%REC	44-125	08/23/24	08/24/24

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1180647**	**Batch: 348491**
Matrix: Soil	**Method: EPA 8270C**	**Prep Method: EPA 3546**

QC1180647 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	3.101	3.750	mg/Kg	83%		42-120
2-Chlorophenol	2.991	3.750	mg/Kg	80%		41-120
1,4-Dichlorobenzene	3.021	3.750	mg/Kg	81%		36-120
3-,4-Methylphenol	3.166	3.750	mg/Kg	84%		42-120
N-Nitroso-di-n-propylamine	3.237	3.750	mg/Kg	86%		43-121
2,4-Dimethylphenol	3.147	3.750	mg/Kg	84%		25-120
1,2,4-Trichlorobenzene	2.844	3.750	mg/Kg	76%		38-120
4-Chloro-3-methylphenol	3.261	3.750	mg/Kg	87%		40-125
2,4,5-Trichlorophenol	3.059	3.750	mg/Kg	82%		40-124
Acenaphthene	2.871	3.750	mg/Kg	77%		35-126
4-Nitrophenol	2.511	3.750	mg/Kg	67%		24-128
2,4-Dinitrotoluene	2.775	3.750	mg/Kg	74%		40-131
Pentachlorophenol	1.974	3.750	mg/Kg	53%		35-120
Pyrene	2.900	3.750	mg/Kg	77%		37-135
Chrysene	2.680	3.750	mg/Kg	71%		38-132
Benzo(b)fluoranthene	2.867	3.750	mg/Kg	76%		38-135
Surrogates						
2-Fluorophenol	1.617	2.000	mg/Kg	81%		29-120
Phenol-d6	1.669	2.000	mg/Kg	83%		30-120
2,4,6-Tribromophenol	1.302	2.000	mg/Kg	65%		32-120
Nitrobenzene-d5	1.763	2.000	mg/Kg	88%		33-120
2-Fluorobiphenyl	1.696	2.000	mg/Kg	85%		39-120
Terphenyl-d14	1.556	2.000	mg/Kg	78%		44-125

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1180648**	**Batch:**	**348491**
Matrix (Source ID):	**Soil (514364-010)**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3546**

QC1180648 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phenol	2.950	ND	3.731	mg/Kg	79%		37-120	10
2-Chlorophenol	2.538	ND	3.731	mg/Kg	68%		33-120	10
1,4-Dichlorobenzene	2.240	ND	3.731	mg/Kg	60%		32-120	10
3-,4-Methylphenol	2.765	ND	3.731	mg/Kg	74%		37-120	10
N-Nitroso-di-n-propylamine	2.675	ND	3.731	mg/Kg	72%		32-120	10
2,4-Dimethylphenol	2.398	ND	3.731	mg/Kg	64%		32-120	10
1,2,4-Trichlorobenzene	2.458	ND	3.731	mg/Kg	66%		33-120	10
4-Chloro-3-methylphenol	3.252	ND	3.731	mg/Kg	87%		41-121	10
2,4,5-Trichlorophenol	3.147	ND	3.731	mg/Kg	84%		40-120	10
Acenaphthene	3.131	ND	3.731	mg/Kg	84%		37-120	10
4-Nitrophenol	2.307	ND	3.731	mg/Kg	62%		20-141	10
2,4-Dinitrotoluene	2.835	ND	3.731	mg/Kg	76%		33-128	10
Pentachlorophenol	4.172	ND	3.731	mg/Kg		DO	28-132	10
Pyrene	3.347	ND	3.731	mg/Kg	90%		39-135	10
Chrysene	3.220	ND	3.731	mg/Kg	86%		37-135	10
Benzo(b)fluoranthene	3.205	ND	3.731	mg/Kg	86%		34-139	10
Surrogates								
2-Fluorophenol	1.376		1.990	mg/Kg	69%		29-120	10
Phenol-d6	1.401		1.990	mg/Kg	70%		30-120	10
2,4,6-Tribromophenol	1.849		1.990	mg/Kg	93%		32-120	10
Nitrobenzene-d5	1.246		1.990	mg/Kg	63%		33-120	10
2-Fluorobiphenyl	1.542		1.990	mg/Kg	78%		39-120	10
Terphenyl-d14	1.804		1.990	mg/Kg	91%		44-125	10

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1180649**	**Batch:**	**348491**
Matrix (Source ID):	**Soil (514364-010)**	**Method:**	**EPA 8270C**	**Prep Method:**	**EPA 3546**

QC1180649 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phenol	3.180	ND	3.731	mg/Kg	85%		37-120	7	49	10
2-Chlorophenol	2.603	ND	3.731	mg/Kg	70%		33-120	3	52	10
1,4-Dichlorobenzene	2.472	ND	3.731	mg/Kg	66%		32-120	10	50	10
3-,4-Methylphenol	2.815	ND	3.731	mg/Kg	75%		37-120	2	54	10
N-Nitroso-di-n-propylamine	2.970	ND	3.731	mg/Kg	80%		32-120	10	50	10
2,4-Dimethylphenol	2.559	ND	3.731	mg/Kg	69%		32-120	6	50	10
1,2,4-Trichlorobenzene	2.672	ND	3.731	mg/Kg	72%		33-120	8	50	10
4-Chloro-3-methylphenol	3.106	ND	3.731	mg/Kg	83%		41-121	5	43	10
2,4,5-Trichlorophenol	3.338	ND	3.731	mg/Kg	89%		40-120	6	47	10
Acenaphthene	2.948	ND	3.731	mg/Kg	79%		37-120	6	48	10
4-Nitrophenol	2.747	ND	3.731	mg/Kg	74%		20-141	17	30	10
2,4-Dinitrotoluene	3.011	ND	3.731	mg/Kg	81%		33-128	6	50	10
Pentachlorophenol	3.959	ND	3.731	mg/Kg		DO	28-132		30	10
Pyrene	3.105	ND	3.731	mg/Kg	83%		39-135	8	41	10
Chrysene	3.197	ND	3.731	mg/Kg	86%		37-135	1	46	10
Benzo(b)fluoranthene	3.112	ND	3.731	mg/Kg	83%		34-139	3	47	10
Surrogates										
2-Fluorophenol	1.279		1.990	mg/Kg	64%		29-120			10
Phenol-d6	1.617		1.990	mg/Kg	81%		30-120			10
2,4,6-Tribromophenol	1.322		1.990	mg/Kg	66%		32-120			10
Nitrobenzene-d5	1.503		1.990	mg/Kg	76%		33-120			10
2-Fluorobiphenyl	1.473		1.990	mg/Kg	74%		39-120			10
Terphenyl-d14	1.660		1.990	mg/Kg	83%		44-125			10

#	CCV drift outside limits; average CCV drift within limits per method requirements
*	Value is outside QC limits
DO	Diluted Out
ND	Not Detected
b	See narrative

Laboratory Job Number 514393

Subcontracted Products

McCampbell Analytical, Inc.

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2408J32

Report Created for: Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

Project Contact: Richard Villafania
Project P.O.: 058321
Project: EO-514393

Project Location:
Project Received: 08/23/2024

Analytical Report reviewed & approved for release on 09/03/2024 by:

Angela Rydelius
Laboratory Manager

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"When Quality Counts"

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2408J32

Project: EO-514393

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range
SPK Val	Spike Value

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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Glossary of Terms & Qualifier Definitions

Client: Enthalpy Analytical **WorkOrder:** 2408J32

Project: EO-514393

SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	“Too Numerous to Count;” greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.

Quality Control Qualifiers

F1	MS/MSD recovery and/or RPD is out of acceptance criteria.
F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.
F7	The LCS/LCSD recovery is above the upper control limit. The target analyte(s) were Not Detected (ND); therefore, the data is reportable.

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Received:	08/23/2024 9:41	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8270E
Project:	EO-514393	**Unit:**	mg/kg

Organophosphorous Pesticides by GC-MS (EPA 8141 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
COMP#2 (S-4, S-5, S-6)	2408J32-003A	Soil	08/20/2024	GC53 08282418.D	300712

Analytes	Result	RL	DF	Date Analyzed
Alachlor	ND	0.10	1	08/28/2024 16:47
Atrazine	ND	0.10	1	08/28/2024 16:47
Azinphos methyl (Guthion)	ND	0.10	1	08/28/2024 16:47
Bolstar (Sulprofos)	ND	0.10	1	08/28/2024 16:47
Chlorpyrifos	ND	0.10	1	08/28/2024 16:47
Coumaphos	ND	0.10	1	08/28/2024 16:47
Demeton	ND	0.10	1	08/28/2024 16:47
Diazinon	ND	0.10	1	08/28/2024 16:47
Dichlorvos (DDVP)	ND	0.10	1	08/28/2024 16:47
Dimethoate	ND	0.10	1	08/28/2024 16:47
Disulfoton (Di-Syston)	ND	0.10	1	08/28/2024 16:47
EPN	ND	0.10	1	08/28/2024 16:47
EPTC	ND	0.10	1	08/28/2024 16:47
Ethion	ND	0.10	1	08/28/2024 16:47
Ethoprop	ND	0.10	1	08/28/2024 16:47
Ethyl parathion	ND	0.10	1	08/28/2024 16:47
Fensulfothion	ND	0.10	1	08/28/2024 16:47
Fenthion	ND	0.10	1	08/28/2024 16:47
Fonofos	ND	0.10	1	08/28/2024 16:47
Malathion	ND	0.10	1	08/28/2024 16:47
Mevinphos (Phosdrin)	ND	0.10	1	08/28/2024 16:47
Molinate	ND	0.10	1	08/28/2024 16:47
Methyl parathion	ND	0.10	1	08/28/2024 16:47
Phorate (Thimet)	ND	0.10	1	08/28/2024 16:47
Prometon	ND	0.10	1	08/28/2024 16:47
Ronnel	ND	0.10	1	08/28/2024 16:47
Simazine	ND	0.10	1	08/28/2024 16:47
Stirofos (Tetrachlorvinphos)	ND	0.10	1	08/28/2024 16:47
Terbacil	ND	0.10	1	08/28/2024 16:47
Terbufos (Terbuphos)	ND	0.10	1	08/28/2024 16:47
Thiobencarb	ND	0.10	1	08/28/2024 16:47
Tokuthion (Prothiofos)	ND	0.10	1	08/28/2024 16:47
Trichloronate (Agritox)	ND	0.10	1	08/28/2024 16:47

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Received:	08/23/2024 9:41	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8270E
Project:	EO-514393	**Unit:**	mg/kg

Organophosphorous Pesticides by GC-MS (EPA 8141 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
COMP#2 (S-4, S-5, S-6)	2408J32-003A	Soil	08/20/2024	GC53 08282418.D	300712

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
1-Bromo-2-Nitrobenzene	86	60-140		08/28/2024 16:47
Triphenyl phosphate	60	60-140		08/28/2024 16:47

Analyst(s): JS

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Received:	08/23/2024 9:41	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8270E
Project:	EO-514393	**Unit:**	mg/kg

Organophosphorous Pesticides by GC-MS (EPA 8141 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
COMP#3 (S-7, S-8, S-9)	2408J32-004A	Soil	08/20/2024	GC53 08282419.D	300712

Analytes	Result	RL	DF	Date Analyzed
Alachlor	ND	0.10	1	08/28/2024 17:14
Atrazine	ND	0.10	1	08/28/2024 17:14
Azinphos methyl (Guthion)	ND	0.10	1	08/28/2024 17:14
Bolstar (Sulprofos)	ND	0.10	1	08/28/2024 17:14
Chlorpyrifos	ND	0.10	1	08/28/2024 17:14
Coumaphos	ND	0.10	1	08/28/2024 17:14
Demeton	ND	0.10	1	08/28/2024 17:14
Diazinon	ND	0.10	1	08/28/2024 17:14
Dichlorvos (DDVP)	ND	0.10	1	08/28/2024 17:14
Dimethoate	ND	0.10	1	08/28/2024 17:14
Disulfoton (Di-Syston)	ND	0.10	1	08/28/2024 17:14
EPN	ND	0.10	1	08/28/2024 17:14
EPTC	ND	0.10	1	08/28/2024 17:14
Ethion	ND	0.10	1	08/28/2024 17:14
Ethoprop	ND	0.10	1	08/28/2024 17:14
Ethyl parathion	ND	0.10	1	08/28/2024 17:14
Fensulfothion	ND	0.10	1	08/28/2024 17:14
Fenthion	ND	0.10	1	08/28/2024 17:14
Fonofos	ND	0.10	1	08/28/2024 17:14
Malathion	ND	0.10	1	08/28/2024 17:14
Mevinphos (Phosdrin)	ND	0.10	1	08/28/2024 17:14
Molinate	ND	0.10	1	08/28/2024 17:14
Methyl parathion	ND	0.10	1	08/28/2024 17:14
Phorate (Thimet)	ND	0.10	1	08/28/2024 17:14
Prometon	ND	0.10	1	08/28/2024 17:14
Ronnel	ND	0.10	1	08/28/2024 17:14
Simazine	ND	0.10	1	08/28/2024 17:14
Stirofos (Tetrachlorvinphos)	ND	0.10	1	08/28/2024 17:14
Terbacil	ND	0.10	1	08/28/2024 17:14
Terbufos (Terbuphos)	ND	0.10	1	08/28/2024 17:14
Thiobencarb	ND	0.10	1	08/28/2024 17:14
Tokuthion (Prothiofos)	ND	0.10	1	08/28/2024 17:14
Trichloronate (Agritox)	ND	0.10	1	08/28/2024 17:14

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Received:	08/23/2024 9:41	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8270E
Project:	EO-514393	**Unit:**	mg/kg

Organophosphorous Pesticides by GC-MS (EPA 8141 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
COMP#3 (S-7, S-8, S-9)	2408J32-004A	Soil	08/20/2024	GC53 08282419.D	300712

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
1-Bromo-2-Nitrobenzene	87	60-140		08/28/2024 17:14
Triphenyl phosphate	65	60-140		08/28/2024 17:14

Analyst(s): JS

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Received:	08/23/2024 9:41	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8270E
Project:	EO-514393	**Unit:**	mg/kg

Organophosphorous Pesticides by GC-MS (EPA 8141 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
COMP#4 (S-10, S-11, S-12)	2408J32-005A	Soil	08/20/2024	GC53 08282420.D	300712

Analytes	Result	RL	DF	Date Analyzed
Alachlor	ND	0.10	1	08/28/2024 17:42
Atrazine	ND	0.10	1	08/28/2024 17:42
Azinphos methyl (Guthion)	ND	0.10	1	08/28/2024 17:42
Bolstar (Sulprofos)	ND	0.10	1	08/28/2024 17:42
Chlorpyrifos	ND	0.10	1	08/28/2024 17:42
Coumaphos	ND	0.10	1	08/28/2024 17:42
Demeton	ND	0.10	1	08/28/2024 17:42
Diazinon	ND	0.10	1	08/28/2024 17:42
Dichlorvos (DDVP)	ND	0.10	1	08/28/2024 17:42
Dimethoate	ND	0.10	1	08/28/2024 17:42
Disulfoton (Di-Syston)	ND	0.10	1	08/28/2024 17:42
EPN	ND	0.10	1	08/28/2024 17:42
EPTC	ND	0.10	1	08/28/2024 17:42
Ethion	ND	0.10	1	08/28/2024 17:42
Ethoprop	ND	0.10	1	08/28/2024 17:42
Ethyl parathion	ND	0.10	1	08/28/2024 17:42
Fensulfothion	ND	0.10	1	08/28/2024 17:42
Fenthion	ND	0.10	1	08/28/2024 17:42
Fonofos	ND	0.10	1	08/28/2024 17:42
Malathion	ND	0.10	1	08/28/2024 17:42
Mevinphos (Phosdrin)	ND	0.10	1	08/28/2024 17:42
Molinate	ND	0.10	1	08/28/2024 17:42
Methyl parathion	ND	0.10	1	08/28/2024 17:42
Phorate (Thimet)	ND	0.10	1	08/28/2024 17:42
Prometon	ND	0.10	1	08/28/2024 17:42
Ronnel	ND	0.10	1	08/28/2024 17:42
Simazine	ND	0.10	1	08/28/2024 17:42
Stirofos (Tetrachlorvinphos)	ND	0.10	1	08/28/2024 17:42
Terbacil	ND	0.10	1	08/28/2024 17:42
Terbufos (Terbuphos)	ND	0.10	1	08/28/2024 17:42
Thiobencarb	ND	0.10	1	08/28/2024 17:42
Tokuthion (Prothiofos)	ND	0.10	1	08/28/2024 17:42
Trichloronate (Agritox)	ND	0.10	1	08/28/2024 17:42

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Received:	08/23/2024 9:41	**Extraction Method:**	SW3550B
Date Prepared:	08/28/2024	**Analytical Method:**	SW8270E
Project:	EO-514393	**Unit:**	mg/kg

Organophosphorous Pesticides by GC-MS (EPA 8141 Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
COMP#4 (S-10, S-11, S-12)	2408J32-005A	Soil	08/20/2024	GC53 08282420.D	300712

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
1-Bromo-2-Nitrobenzene	85	60-140		08/28/2024 17:42
Triphenyl phosphate	64	60-140		08/28/2024 17:42

Analyst(s): JS

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Received:	08/23/2024 9:41	**Extraction Method:**	SW8151A
Date Prepared:	08/28/2024	**Analytical Method:**	SW8151A
Project:	EO-514393	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-2-1	2408J32-001A	Soil	08/16/2024 10:39	GC15A 08292491.D	300711

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.10	10	08/31/2024 00:29
Bentazon	ND	0.10	10	08/31/2024 00:29
Chloramben	ND	0.10	10	08/31/2024 00:29
Clopyralid	ND	0.10	10	08/31/2024 00:29
2,4-D (Dichlorophenoxyacetic acid)	ND	0.10	10	08/31/2024 00:29
2,4-DB	ND	0.10	10	08/31/2024 00:29
Dalapon	ND	0.10	10	08/31/2024 00:29
DCPA (mono & diacid)	ND	0.10	10	08/31/2024 00:29
Dicamba	ND	0.10	10	08/31/2024 00:29
3,5-Dichlorobenzoic Acid	ND	0.10	10	08/31/2024 00:29
Dichloroprop	ND	0.10	10	08/31/2024 00:29
Dinoseb (DNBP)	ND	0.10	10	08/31/2024 00:29
5-Hydroxydicamba	ND	0.10	10	08/31/2024 00:29
MCPA	ND	10	10	08/31/2024 00:29
MCPP	ND	10	10	08/31/2024 00:29
4-Nitrophenol	ND	0.10	10	08/31/2024 00:29
Pentachlorophenol (PCP)	ND	0.10	10	08/31/2024 00:29
Picloram	ND	0.10	10	08/31/2024 00:29
Quinclorac	ND	0.10	10	08/31/2024 00:29
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.10	10	08/31/2024 00:29
2,4,5-TP (Silvex)	ND	0.10	10	08/31/2024 00:29

Surrogates	REC (%)	Limits	
DCAA	94	63-121	08/31/2024 00:29

Analyst(s): DP

Analytical Comments: a3

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Received:	08/23/2024 9:41	**Extraction Method:**	SW8151A
Date Prepared:	08/28/2024	**Analytical Method:**	SW8151A
Project:	EO-514393	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
COMP#1 (S-1, S-3)	2408J32-002A	Soil	08/20/2024	GC15A 08292492.D	300711

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.10	10	08/31/2024 00:54
Bentazon	ND	0.10	10	08/31/2024 00:54
Chloramben	ND	0.10	10	08/31/2024 00:54
Clopyralid	ND	0.10	10	08/31/2024 00:54
2,4-D (Dichlorophenoxyacetic acid)	ND	0.10	10	08/31/2024 00:54
2,4-DB	ND	0.10	10	08/31/2024 00:54
Dalapon	ND	0.10	10	08/31/2024 00:54
DCPA (mono & diacid)	ND	0.10	10	08/31/2024 00:54
Dicamba	ND	0.10	10	08/31/2024 00:54
3,5-Dichlorobenzoic Acid	ND	0.10	10	08/31/2024 00:54
Dichloroprop	ND	0.10	10	08/31/2024 00:54
Dinoseb (DNBP)	ND	0.10	10	08/31/2024 00:54
5-Hydroxydicamba	ND	0.10	10	08/31/2024 00:54
MCPA	ND	10	10	08/31/2024 00:54
MCPP	ND	10	10	08/31/2024 00:54
4-Nitrophenol	ND	0.10	10	08/31/2024 00:54
Pentachlorophenol (PCP)	ND	0.10	10	08/31/2024 00:54
Picloram	ND	0.10	10	08/31/2024 00:54
Quinclorac	ND	0.10	10	08/31/2024 00:54
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.10	10	08/31/2024 00:54
2,4,5-TP (Silvex)	ND	0.10	10	08/31/2024 00:54

Surrogates	REC (%)	Limits	
DCAA	102	63-121	08/31/2024 00:54

Analyst(s): DP

Analytical Comments: a3

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Received:	08/23/2024 9:41	**Extraction Method:**	SW8151A
Date Prepared:	08/28/2024	**Analytical Method:**	SW8151A
Project:	EO-514393	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
COMP#2 (S-4, S-5, S-6)	2408J32-003A	Soil	08/20/2024	GC15A 08292493.D	300711

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.10	10	08/31/2024 01:18
Bentazon	ND	0.10	10	08/31/2024 01:18
Chloramben	ND	0.10	10	08/31/2024 01:18
Clopyralid	ND	0.10	10	08/31/2024 01:18
2,4-D (Dichlorophenoxyacetic acid)	ND	0.10	10	08/31/2024 01:18
2,4-DB	ND	0.10	10	08/31/2024 01:18
Dalapon	ND	0.10	10	08/31/2024 01:18
DCPA (mono & diacid)	ND	0.10	10	08/31/2024 01:18
Dicamba	ND	0.10	10	08/31/2024 01:18
3,5-Dichlorobenzoic Acid	ND	0.10	10	08/31/2024 01:18
Dichloroprop	ND	0.10	10	08/31/2024 01:18
Dinoseb (DNBP)	ND	0.10	10	08/31/2024 01:18
5-Hydroxydicamba	ND	0.10	10	08/31/2024 01:18
MCPA	ND	10	10	08/31/2024 01:18
MCPP	ND	10	10	08/31/2024 01:18
4-Nitrophenol	ND	0.10	10	08/31/2024 01:18
Pentachlorophenol (PCP)	ND	0.10	10	08/31/2024 01:18
Picloram	ND	0.10	10	08/31/2024 01:18
Quinclorac	ND	0.10	10	08/31/2024 01:18
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.10	10	08/31/2024 01:18
2,4,5-TP (Silvex)	ND	0.10	10	08/31/2024 01:18

Surrogates	REC (%)	Limits	
DCAA	109	63-121	08/31/2024 01:18

Analyst(s): DP

Analytical Comments: a3

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Received:	08/23/2024 9:41	**Extraction Method:**	SW8151A
Date Prepared:	08/28/2024	**Analytical Method:**	SW8151A
Project:	EO-514393	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
COMP#3 (S-7, S-8, S-9)	2408J32-004A	Soil	08/20/2024	GC15A 08292494.D	300711

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.10	10	08/31/2024 01:43
Bentazon	ND	0.10	10	08/31/2024 01:43
Chloramben	ND	0.10	10	08/31/2024 01:43
Clopyralid	ND	0.10	10	08/31/2024 01:43
2,4-D (Dichlorophenoxyacetic acid)	ND	0.10	10	08/31/2024 01:43
2,4-DB	ND	0.10	10	08/31/2024 01:43
Dalapon	ND	0.10	10	08/31/2024 01:43
DCPA (mono & diacid)	ND	0.10	10	08/31/2024 01:43
Dicamba	ND	0.10	10	08/31/2024 01:43
3,5-Dichlorobenzoic Acid	ND	0.10	10	08/31/2024 01:43
Dichloroprop	ND	0.10	10	08/31/2024 01:43
Dinoseb (DNBP)	ND	0.10	10	08/31/2024 01:43
5-Hydroxydicamba	ND	0.10	10	08/31/2024 01:43
MCPA	ND	10	10	08/31/2024 01:43
MCPP	ND	10	10	08/31/2024 01:43
4-Nitrophenol	ND	0.10	10	08/31/2024 01:43
Pentachlorophenol (PCP)	ND	0.10	10	08/31/2024 01:43
Picloram	ND	0.10	10	08/31/2024 01:43
Quinclorac	ND	0.10	10	08/31/2024 01:43
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.10	10	08/31/2024 01:43
2,4,5-TP (Silvex)	ND	0.10	10	08/31/2024 01:43

Surrogates	REC (%)	Limits	
DCAA	100	63-121	08/31/2024 01:43

Analyst(s): DP

Analytical Comments: a3

(Cont.)

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Analytical Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Received:	08/23/2024 9:41	**Extraction Method:**	SW8151A
Date Prepared:	08/28/2024	**Analytical Method:**	SW8151A
Project:	EO-514393	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
COMP#4 (S-10, S-11, S-12)	2408J32-005A	Soil	08/20/2024	GC15A 08292497.D	300711

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.10	10	08/31/2024 02:58
Bentazon	ND	0.10	10	08/31/2024 02:58
Chloramben	ND	0.10	10	08/31/2024 02:58
Clopyralid	ND	0.10	10	08/31/2024 02:58
2,4-D (Dichlorophenoxyacetic acid)	ND	0.10	10	08/31/2024 02:58
2,4-DB	ND	0.10	10	08/31/2024 02:58
Dalapon	ND	0.10	10	08/31/2024 02:58
DCPA (mono & diacid)	ND	0.10	10	08/31/2024 02:58
Dicamba	ND	0.10	10	08/31/2024 02:58
3,5-Dichlorobenzoic Acid	ND	0.10	10	08/31/2024 02:58
Dichloroprop	ND	0.10	10	08/31/2024 02:58
Dinoseb (DNBP)	ND	0.10	10	08/31/2024 02:58
5-Hydroxydicamba	ND	0.10	10	08/31/2024 02:58
MCPA	ND	10	10	08/31/2024 02:58
MCPP	ND	10	10	08/31/2024 02:58
4-Nitrophenol	ND	0.10	10	08/31/2024 02:58
Pentachlorophenol (PCP)	ND	0.10	10	08/31/2024 02:58
Picloram	ND	0.10	10	08/31/2024 02:58
Quinclorac	ND	0.10	10	08/31/2024 02:58
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.10	10	08/31/2024 02:58
2,4,5-TP (Silvex)	ND	0.10	10	08/31/2024 02:58

Surrogates	REC (%)	Limits	
DCAA	112	63-121	08/31/2024 02:58

Analyst(s): DP

Analytical Comments: a3

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Prepared:	08/28/2024	**BatchID:**	300712
Date Analyzed:	08/28/2024	**Extraction Method:**	SW3550B
Instrument:	GC53	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/kg
Project:	EO-514393	**Sample ID:**	MB/LCS/LCSD-300712 2408J32-005AMS/MSD

QC Summary Report for SW8270E (ON/P Pesticides)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Alachlor	ND	0.049	0.10	-	-	-
Atrazine	ND	0.069	0.10	-	-	-
Azinphos methyl (Guthion)	ND	0.066	0.10	-	-	-
Bolstar (Sulprofos)	ND	0.040	0.10	-	-	-
Chlorpyrifos	ND	0.051	0.10	-	-	-
Coumaphos	ND	0.062	0.10	-	-	-
Demeton	ND	0.051	0.10	-	-	-
Diazinon	ND	0.053	0.10	-	-	-
Dichlorvos (DDVP)	ND	0.022	0.10	-	-	-
Dimethoate	ND	0.046	0.10	-	-	-
Disulfoton (Di-Syston)	ND	0.039	0.10	-	-	-
EPN	ND	0.059	0.10	-	-	-
EPTC	ND	0.042	0.10	-	-	-
Ethion	ND	0.064	0.10	-	-	-
Ethoprop	ND	0.046	0.10	-	-	-
Ethyl parathion	ND	0.040	0.10	-	-	-
Fensulfothion	ND	0.027	0.10	-	-	-
Fenthion	ND	0.055	0.10	-	-	-
Fonofos	ND	0.056	0.10	-	-	-
Malathion	ND	0.040	0.10	-	-	-
Mevinphos (Phosdrin)	ND	0.054	0.10	-	-	-
Molinate	ND	0.039	0.10	-	-	-
Methyl parathion	ND	0.031	0.10	-	-	-
Phorate (Thimet)	ND	0.035	0.10	-	-	-
Prometon	ND	0.029	0.10	-	-	-
Ronnel	ND	0.047	0.10	-	-	-
Simazine	ND	0.057	0.10	-	-	-
Stirofos (Tetrachlorvinphos)	ND	0.053	0.10	-	-	-
Terbacil	ND	0.040	0.10	-	-	-
Terbufos (Terbuphos)	ND	0.031	0.10	-	-	-
Thiobencarb	ND	0.070	0.10	-	-	-
Tokuthion (Prothiofos)	ND	0.054	0.10	-	-	-
Trichloronate (Agritox)	ND	0.048	0.10	-	-	-
Surrogate Recovery						
1-Bromo-2-Nitrobenzene	0.18			0.2	91	60-140
Triphenyl phosphate	0.12			0.2	61	60-140

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Prepared:	08/28/2024	**BatchID:**	300712
Date Analyzed:	08/28/2024	**Extraction Method:**	SW3550B
Instrument:	GC53	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/kg
Project:	EO-514393	**Sample ID:**	MB/LCS/LCSD-300712 2408J32-005AMS/MSD

QC Summary Report for SW8270E (ON/P Pesticides)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Alachlor	0.54	0.51	0.60	90	85	50-160	5.39	20
Atrazine	0.52	0.49	0.60	87	82	50-160	5.52	20
Azinphos methyl (Guthion)	0.44	0.42	0.60	74	71	60-140	4.40	20
Bolstar (Sulprofos)	0.48	0.46	0.60	81	77	60-140	4.91	20
Chlorpyrifos	0.54	0.50	0.60	90	84	60-140	6.41	20
Coumaphos	0.49	0.46	0.60	81	76	60-140	6.32	20
Demeton	0.48	0.47	0.60	80	78	60-140	2.87	20
Diazinon	0.52	0.49	0.60	87	82	60-140	5.84	20
Dichlorvos (DDVP)	0.48	0.48	0.60	81	80	60-140	0.925	20
Dimethoate	0.47	0.45	0.60	78	75	60-140	4.25	20
Disulfoton (Di-Syston)	0.52	0.49	0.60	86	81	50-160	5.31	20
EPN	0.56	0.55	0.60	94	91	60-140	3.11	20
EPTC	0.53	0.51	0.60	88	85	60-140	4.23	20
Ethion	0.48	0.46	0.60	80	76	60-140	4.96	20
Ethoprop	0.49	0.48	0.60	82	80	60-140	3.33	20
Ethyl parathion	0.54	0.52	0.60	90	86	60-140	3.65	20
Fensulfothion	0.47	0.45	0.60	78	75	60-140	4.13	20
Fenthion	0.51	0.48	0.60	86	81	50-160	6.18	20
Fonofos	0.53	0.51	0.60	89	84	60-140	5.14	20
Malathion	0.49	0.46	0.60	82	77	60-140	6.02	20
Mevinphos (Phosdrin)	0.47	0.46	0.60	78	77	60-140	0.880	20
Molinate	0.53	0.51	0.60	89	86	60-140	3.70	20
Methyl parathion	0.52	0.50	0.60	86	83	50-160	3.70	20
Phorate (Thimet)	0.48	0.45	0.60	79	75	60-140	5.99	20
Prometon	0.52	0.50	0.60	87	83	60-140	4.14	20
Ronnel	0.54	0.52	0.60	90	86	60-140	4.88	20
Simazine	0.51	0.49	0.60	84	81	60-140	4.17	20
Stirofos (Tetrachlorvinphos)	0.47	0.44	0.60	78	73	60-140	6.06	20
Terbacil	0.51	0.49	0.60	84	82	60-140	2.68	20
Terbufos (Terbuphos)	0.49	0.46	0.60	82	77	60-140	6.29	20
Thiobencarb	0.54	0.49	0.60	90	81	60-140	10.2	20
Tokuthion (Prothiofos)	0.49	0.47	0.60	82	79	60-140	3.84	20
Trichloronate (Agritox)	0.56	0.53	0.60	94	89	60-140	5.90	20
Surrogate Recovery								
1-Bromo-2-Nitrobenzene	0.16	0.16	0.20	82	82	60-140	0.705	20
Triphenyl phosphate	0.17	0.17	0.20	86	83	60-140	3.76	20

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Prepared:	08/28/2024	**BatchID:**	300712
Date Analyzed:	08/28/2024	**Extraction Method:**	SW3550B
Instrument:	GC53	**Analytical Method:**	SW8270E
Matrix:	Soil	**Unit:**	mg/kg
Project:	EO-514393	**Sample ID:**	MB/LCS/LCSD-300712 2408J32-005AMS/MSD

QC Summary Report for SW8270E (ON/P Pesticides)

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Alachlor	1	0.55	0.59	0.60	ND	91	98	60-140	7.06	20
Atrazine	1	0.50	0.52	0.60	ND	84	86	60-140	2.88	20
Azinphos methyl (Guthion)	1	0.54	0.55	0.60	ND	90	91	60-140	1.11	20
Bolstar (Sulprofos)	1	0.57	0.59	0.60	ND	95	99	60-140	3.90	20
Chlorpyrifos	1	0.54	0.56	0.60	ND	91	93	60-140	2.52	20
Coumaphos	1	0.59	0.63	0.60	ND	98	105	60-140	6.80	20
Demeton	1	0.48	0.52	0.60	ND	80	87	60-140	8.43	20
Diazinon	1	0.51	0.54	0.60	ND	85	90	60-140	4.84	20
Dichlorvos (DDVP)	1	0.53	0.57	0.60	ND	88	95	60-140	7.47	20
Dimethoate	1	0.48	0.51	0.60	ND	79	85	60-140	6.95	20
Disulfoton (Di-Syston)	1	0.52	0.55	0.60	ND	86	92	60-140	5.82	20
EPN	1	0.51	0.51	0.60	ND	85	85	60-140	0.0101	20
EPTC	1	0.52	0.55	0.60	ND	87	92	60-140	5.23	20
Ethion	1	0.55	0.57	0.60	ND	91	95	60-140	3.94	20
Ethoprop	1	0.52	0.58	0.60	ND	87	97	60-140	10.9	20
Ethyl parathion	1	0.52	0.53	0.60	ND	87	89	60-140	2.00	20
Fensulfothion	1	0.51	0.48	0.60	ND	84	81	60-140	4.64	20
Fenthion	1	0.51	0.52	0.60	ND	85	87	60-140	2.93	20
Fonofos	1	0.51	0.53	0.60	ND	85	89	60-140	4.06	20
Malathion	1	0.53	0.55	0.60	ND	89	91	60-140	2.63	20
Mevinphos (Phosdrin)	1	0.47	0.52	0.60	ND	79	87	60-140	9.36	20
Molinate	1	0.54	0.58	0.60	ND	90	96	60-140	6.34	20
Methyl parathion	1	0.49	0.52	0.60	ND	82	87	60-140	5.94	20
Phorate (Thimet)	1	0.50	0.55	0.60	ND	84	91	60-140	8.18	20
Prometon	1	0.53	0.57	0.60	ND	88	96	60-140	7.91	20
Ronnel	1	0.53	0.56	0.60	ND	88	94	60-140	6.54	20
Simazine	1	0.49	0.51	0.60	ND	82	85	60-140	2.97	20
Stirofos (Tetrachlorvinphos)	1	0.51	0.53	0.60	ND	86	89	60-140	3.43	20
Terbacil	1	0.52	0.57	0.60	ND	87	95	60-140	9.70	20
Terbufos (Terbuphos)	1	0.52	0.56	0.60	ND	87	93	60-140	6.28	20
Thiobencarb	1	0.55	0.55	0.60	ND	91	91	60-140	0.363	20
Tokuthion (Prothiofos)	1	0.60	0.61	0.60	ND	100	101	60-140	1.06	20
Trichloronate (Agritox)	1	0.55	0.57	0.60	ND	91	95	60-140	4.73	20
Surrogate Recovery										
1-Bromo-2-Nitrobenzene	1	0.16	0.17	0.20		78	84	60-140	6.84	20
Triphenyl phosphate	1	0.20	0.21	0.20		98	105	60-140	7.03	20

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Prepared:	08/28/2024	**BatchID:**	300711
Date Analyzed:	08/30/2024 - 08/31/2024	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Soil	**Unit:**	mg/kg
Project:	EO-514393	**Sample ID:**	MB/LCS/LCSD-300711 2408J32-004AMS/MSD

QC Summary Report for SW8151A

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acifluorfen	ND	0.0053	0.010	-	-	-
Bentazon	ND	0.0033	0.010	-	-	-
Chloramben	ND	0.0041	0.010	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.0029	0.010	-	-	-
2,4-DB	ND	0.0061	0.010	-	-	-
Dalapon	ND	0.0061	0.010	-	-	-
DCPA (mono & diacid)	ND	0.0032	0.010	-	-	-
Dicamba	ND	0.0033	0.010	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.0032	0.010	-	-	-
Dichloroprop	ND	0.0030	0.010	-	-	-
Dinoseb (DNBP)	ND	0.0032	0.010	-	-	-
MCPA	ND	0.38	1.0	-	-	-
MCPP	ND	0.36	1.0	-	-	-
4-Nitrophenol	ND	0.0074	0.010	-	-	-
Pentachlorophenol (PCP)	ND	0.0047	0.010	-	-	-
Picloram	ND	0.0050	0.010	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.0051	0.010	-	-	-
2,4,5-TP (Silvex)	ND	0.0028	0.010	-	-	-
Surrogate Recovery						
DCAA	0.10			0.1	103	77-116

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Prepared:	08/28/2024	**BatchID:**	300711
Date Analyzed:	08/30/2024 - 08/31/2024	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Soil	**Unit:**	mg/kg
Project:	EO-514393	**Sample ID:**	MB/LCS/LCSD-300711 2408J32-004AMS/MSD

QC Summary Report for SW8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	0.091	0.090	0.10	91	90	31-145	0.784	30
Bentazon	0.099	0.099	0.10	99	99	60-140	0.454	30
Chloramben	0.11	0.11	0.10	110	112	60-140	1.47	30
2,4-D (Dichlorophenoxyacetic acid)	0.096	0.098	0.10	96	98	72-121	1.72	30
2,4-DB	0.099	0.099	0.10	99	99	69-134	0.333	30
Dalapon	0.090	0.098	0.10	90	98	73-117	8.08	30
DCPA (mono & diacid)	0.098	0.097	0.10	98	97	60-140	1.17	30
Dicamba	0.097	0.099	0.10	97	99	71-121	1.98	30
3,5-Dichlorobenzoic Acid	0.096	0.098	0.10	96	98	60-140	2.55	30
Dichloroprop	0.096	0.097	0.10	96	97	60-140	1.59	30
Dinoseb (DNBP)	0.094	0.096	0.10	94	96	60-140	1.20	30
MCPA	8.9	8.9	10	89	89	60-140	0.655	30
MCPP	9.1	9.4	10	91	94	60-140	3.15	30
4-Nitrophenol	0.24	0.24	0.10	244,F7	237,F7	60-140	2.81	30
Pentachlorophenol (PCP)	0.098	0.10	0.10	98	100	68-135	1.74	30
Picloram	0.095	0.094	0.10	95	94	60-140	0.993	30
2,4,5-T (Trichlorophenoxy acetic acid)	0.099	0.10	0.10	99	100	60-140	0.695	30
2,4,5-TP (Silvex)	0.098	0.099	0.10	98	99	70-130	1.36	30
Surrogate Recovery								
DCAA	0.095	0.097	0.10	95	97	77-116	1.62	30

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acifluorfen	10	0.12	0.098	0.10	ND<0.10	120	98	60-140	20.3	30
Bentazon	10	0.11	0.089	0.10	ND<0.10	108	89	60-140	19.8	30
Chloramben	10	0.099	0.087	0.10	ND<0.10	99	87	60-140	13.0	30
2,4-D (Dichlorophenoxyacetic acid)	10	0.11	0.082	0.10	ND<0.10	105	82	56-156	24.7	30
2,4-DB	10	0.097	0.085	0.10	ND<0.10	97	85	45-164	13.0	30
Dalapon	10	0.10	0.081	0.10	ND<0.10	104	81	54-142	24.1	30
DCPA (mono & diacid)	10	0.098	0.080	0.10	ND<0.10	98	80	60-140	20.0	30
Dicamba	10	0.092	0.077	0.10	ND<0.10	92	77	65-131	16.7	30
3,5-Dichlorobenzoic Acid	10	0.11	0.085	0.10	ND<0.10	105	85	60-140	21.1	30
Dichloroprop	10	0.10	0.078	0.10	ND<0.10	102	78	60-140	26.6	30
Dinoseb (DNBP)	10	0.099	0.078	0.10	ND<0.10	99	78	60-140	23.5	30
MCPA	10	12	10	10	ND<10	120	102	60-140	16.9	30
MCPP	10	10	8.5	10	ND<10	101	85	60-140	17.2	30

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Quality Control Report

Client:	Enthalpy Analytical	**WorkOrder:**	2408J32
Date Prepared:	08/28/2024	**BatchID:**	300711
Date Analyzed:	08/30/2024 - 08/31/2024	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Soil	**Unit:**	mg/kg
Project:	EO-514393	**Sample ID:**	MB/LCS/LCSD-300711 2408J32-004AMS/MSD

QC Summary Report for SW8151A

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
4-Nitrophenol	10	0.20	0.15	0.10	ND<0.10	197,F1	147,F1	60-140	28.8	30
Pentachlorophenol (PCP)	10	0.089	0.071	0.10	ND<0.10	89	71	60-140	22.3	30
Picloram	10	0.10	0.081	0.10	ND<0.10	102	81	60-140	22.4	30
2,4,5-T (Trichlorophenoxy acetic acid)	10	0.10	0.078	0.10	ND<0.10	104	78	60-140	28.7	30
2,4,5-TP (Silvex)	10	0.11	0.089	0.10	ND<0.10	112	89	61-131	22.4	30
Surrogate Recovery										
DCAA	10	0.10	0.080	0.10		104	80	63-121	25.8,F3	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2408J32 **ClientCode: ENO** **QuoteID: 242515**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ Excel [A1_Standard _QC]

Report to:
Richard Villafania
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: Richard.villafania@enthalpy.com; incoming
cc/3rd Party:
PO: 058321
Project: EO-514393

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

Requested TAT: **5 days;**

Date Received: **08/23/2024**
Date Logged: **08/26/2024**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2408J32-001	S-2-1	Soil	8/16/2024 10:39	☐		A	A									
2408J32-002	COMP#1 (S-1, S-3)	Soil	8/20/2024 00:00	☐		A	A									
2408J32-003	COMP#2 (S-4, S-5, S-6)	Soil	8/20/2024 00:00	☐	A	A	A									
2408J32-004	COMP#3 (S-7, S-8, S-9)	Soil	8/20/2024 00:00	☐	A	A	A									
2408J32-005	COMP#4 (S-10, S-11, S-12)	Soil	8/20/2024 00:00	☐	A	A	A									

Test Legend:

1	8141_S	2	8151_S	3	PRDisposal Fee	4	
5		6		7		8	
9		10		11		12	

Project Manager: Yen Cao

Prepared by: Adrianna Cardoza

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ENTHALPY ANALYTICAL
Client Contact: Richard Villafania
Contact's Email: Richard.villafania@enthalpy.com; incomingreports@enthalpy.com

Project: EO-514393
Comments

Work Order: 2408J32
QC Level: LEVEL 2
Date Logged: 8/26/2024

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	S-2-1	Soil	SW8151A (Chlorinated Herbicides)	1	2OZ GJ, Unpres	☐	☐	☐	8/16/2024 10:39	5 days	8/30/2024		☐	☐
002A	COMP#1 (S-1, S-3)	Soil	SW8151A (Chlorinated Herbicides)	1	2OZ GJ, Unpres	☐	☐	☐	8/20/2024	5 days	8/30/2024		☐	☐
003A	COMP#2 (S-4, S-5, S-6)	Soil	SW8151A (Chlorinated Herbicides)	1	4OZ GJ, Unpres	☐	☐	☐	8/20/2024	5 days	8/30/2024		☐	☐
			SW8270E (ON/P Pesticides - EPA 8141 target list)			☐	☐	☐		5 days	8/30/2024		☐	☐
004A	COMP#3 (S-7, S-8, S-9)	Soil	SW8151A (Chlorinated Herbicides)	1	4OZ GJ, Unpres	☐	☐	☐	8/20/2024	5 days	8/30/2024		☐	☐
			SW8270E (ON/P Pesticides - EPA 8141 target list)			☐	☐	☐		5 days	8/30/2024		☐	☐
005A	COMP#4 (S-10, S-11, S-12)	Soil	SW8151A (Chlorinated Herbicides)	1	4OZ GJ, Unpres	☐	☐	☐	8/20/2024	5 days	8/30/2024		☐	☐
			SW8270E (ON/P Pesticides - EPA 8141 target list)			☐	☐	☐		5 days	8/30/2024		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

Cont./Comp. = Containers /Composites

2408J32

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 242515
PO #: PO-058321

Enthalpy Order: EO-514393
PM: Richard Villafania
Email: richard.villafania@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: RL
EDDs: Standard Excel EDD

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
S-2-1	16-AUG-2024 10:39	514393-002	1	Soil	EPA 8151A Chlorinated Herbicides	
COMP#1 (S-1, S-3)	20-AUG-2024 00:00	514393-013	1	Soil	EPA 8151A Chlorinated Herbicides	
COMP#2 (S-4,S-5,S-6)	20-AUG-2024 00:00	514393-014	1	Soil	Organophosphorus Pesticides	
				Soil	EPA 8151A Chlorinated Herbicides	
COMP#3 (S-7,S-8,S-9)	20-AUG-2024 00:00	514393-015	1	Soil	Organophosphorus Pesticides	
				Soil	EPA 8151A Chlorinated Herbicides	
COMP#4 (S-10,S-11,S-12)	20-AUG-2024 00:00	514393-016	1	Soil	Organophosphorus Pesticides	
				Soil	EPA 8151A Chlorinated Herbicides	

Notes:	Relinquished By:	Received By:
BAG 12	A. Quitugua JEBERT QUITUGUA	
	Date: 8/22/24 1500	Date: 8-23-24 9:41
	Date:	Date:
	Date:	Date:

0.4 wt.
IR41

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"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Enthalpy Analytical	Date and Time Received:	8/23/2024 09:41
Project:	EO-514393	Date Logged:	8/26/2024
		Received by:	Adrianna Cardoza
WorkOrder №:	2408J32 Matrix: Soil	Logged by:	Adrianna Cardoza
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA	☐
Custody seals intact on sample bottles?	Yes	☑	No	☐	NA	☐
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 0.4°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2)?	Yes	☐	No	☐	NA	☑

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 514427
Report Level : II
Report Date : 08/29/2024

Analytical Report *prepared for:*

Charles Barsamian
Willbanks Environmental Consulting
8413 N. Millbrook Ave, Ste 110
Fresno, CA 93720

Project: BONADELLE ARMSTRONG - 23.340

Authorized for release by:

Richard Villafania, Project Manager
richard.villafania@enthalpy.com

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

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Charles Barsamian Willbanks Environmental Consulting 8413 N. Millbrook Ave, Ste 110 Fresno, CA 93720		Lab Job #: Project No: Location: Date Received:	514427 BONADELLE ARMSTRONG 23.340 08/20/24

Sample ID	Lab ID	Collected	Matrix
V-SGP-1-5	514427-001	08/19/24 14:01	Air
V-SGP-2-5	514427-002	08/19/24 15:02	Air

ENTHALPY ANALYTICAL

Case Narrative

Willbanks Environmental Consulting 8413 N. Millbrook Ave, Ste 110 Fresno, CA 93720 Charles Barsamian	Lab Job Number: 514427 Project No: BONADELLE ARMSTRONG Location: 23.340 Date Received: 08/20/24

This data package contains sample and QC results for two air samples, requested for the above referenced project on 08/20/24. The samples were received intact.

Volatile Organics in Air by MS (EPA TO-15):

No analytical problems were encountered.

ENTHALPY ANALYTICAL

Air Chain of Custody Record

Lab No: 514429

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	x	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Special Instructions: Level II QA/QC

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Willbanks Environmental Consulting, Inc.	Name:	Bonadelle Armstrong
Report To:	Charles Barsamian	Number:	23.340
Email:	Charles@wecenvironmental.com	P.O. #:	
Address:	8413 N. Millbrook Ave. #110, Fresno, CA	Address:	South Armstrong Avenue, Fresno, CA
Phone:	(559)797-4181	Global ID:	
Fax:		Sampled By:	Charles Barsamian

	Sample ID	Type (I) Indoor (A) Ambient (SV) Soil Vapor (S) Source	Equipment Information: Canister ID	Size (1L, 3L, 6L, 15L)	Flow Controller ID	Sampling Information: Sample Start Date	Sample Start Time	Vacuum Start ("Hg)	Sample End Date	Sample End Time	Vacuum End ("Hg)	Analysis Requested: TO-15
1	V-SGP-1-5	SV	C10702	1 L	A10617	8/19/2024	1:52 PM	-28	8/19/2024	2:01 PM	-2	X
2	V-SGP-2-5	SV	C10794	1 L	A10356	8/19/2024	2:53 PM	-29	8/19/2024	3:02 PM	-1	X
3												
4												
5												
6												
7												
8												
9												
10												

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Charles Barsamian	Willbanks Env. Con.	8/19/2024 16:45
[1] Received By:		Okim	Ea	8/20/24 1230
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 8/20/24 WO# 514427 Client: Willbanks Env. Con.

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No
Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened _____ By (initials)_____ Type of ice used : ☐ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☒ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun:_____CF:_____
Cooler Temp (°C) #1:____/____ #2:____/____ #3:____/____ #4:____/____ #5:____/____ #6:____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☐ **No air samples submitted (skip 3c)**
☒ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) 8/20/24	✓		✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged 8/20/24 **By (print)** TLK **(sign)** for TLK
Date Labeled 8/20/24 **By (print)** _____ **(sign)** _____

View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialogue box that appears. Note: If your browser does not support this function, select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. **GETTING YOUR SHIPMENT TO UPS**
   Customers with a scheduled Pickup
   - Your driver will pickup your shipment(s) as usual.

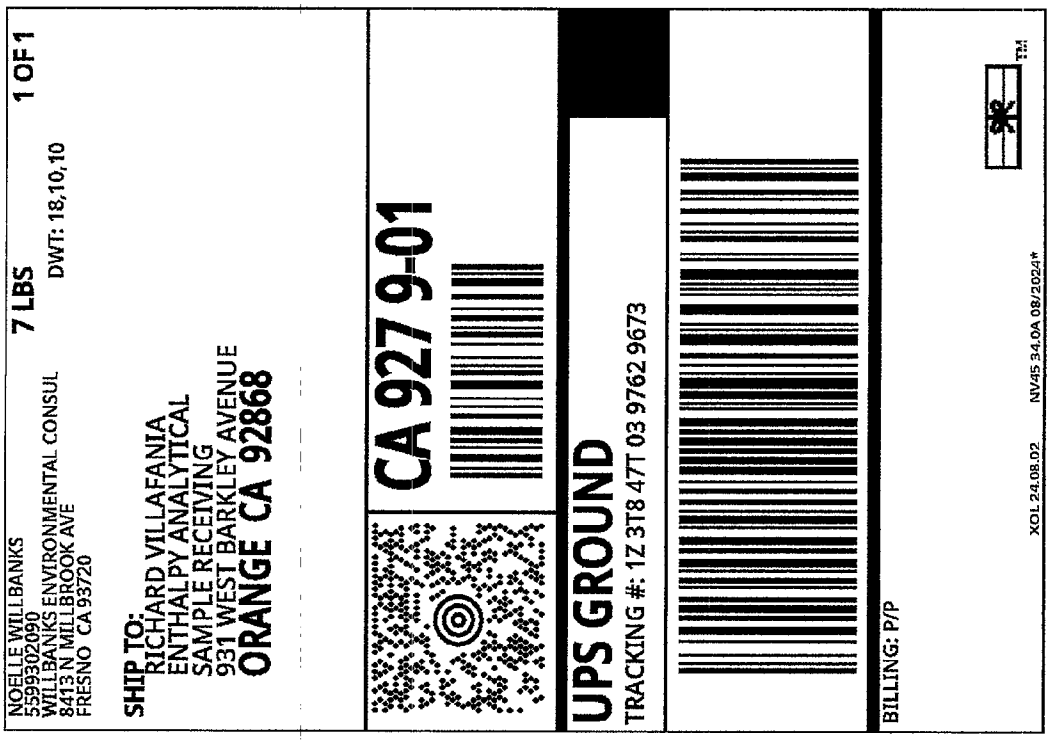
   Customers without a scheduled Pickup
   - Schedule a Pickup on ups.com to have a UPS driver pickup all of your packages.
   - Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. To find the location nearest you, please visit the 'Locations' Quick link at ups.com.

UPS Access Point™
THE UPS STORE
7726 N 1ST ST
FRESNO CA 93720-0989

UPS Access Point™
POSTAL EXPRESS AND GIFT
1099 E CHAMPLAIN DR
FRESNO CA 93720-5030

UPS Access Point™
CVS STORE # 9391
1113 E CHAMPLAIN DR
FRESNO CA 93720-4223

FOLD HERE



ENTHALPY ANALYTICAL

Analysis Results for 514427

Charles Barsamian
Willbanks Environmental Consulting
8413 N. Millbrook Ave, Ste 110
Fresno, CA 93720

Lab Job #: 514427
Project No: BONADELLE ARMSTRONG
Location: 23.340
Date Received: 08/20/24

Sample ID: V-SGP-1-5 **Lab ID: 514427-001** **Collected: 08/19/24 14:01**
Matrix: Air

514427-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA TO-15 Prep Method: METHOD									
1,1-Difluoroethane	ND		ppbv	1.5	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,1-Difluoroethane	ND		ug/m3	4.1	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Freon 12	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Freon 12	ND		ug/m3	1.5	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Freon 114	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Freon 114	ND		ug/m3	2.1	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Chloromethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Chloromethane	ND		ug/m3	0.62	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Vinyl Chloride	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Vinyl Chloride	ND		ug/m3	0.77	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Bromomethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Bromomethane	ND		ug/m3	1.2	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Chloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Chloroethane	ND		ug/m3	0.79	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Trichlorofluoromethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Trichlorofluoromethane	ND		ug/m3	1.7	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,1-Dichloroethene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,1-Dichloroethene	ND		ug/m3	1.2	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Freon 113	**0.35**		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Freon 113	**2.7**		ug/m3	2.3	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Acetone	**46**		ppbv	1.5	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Acetone	**110**		ug/m3	3.6	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Carbon Disulfide	**0.37**		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Carbon Disulfide	**1.2**		ug/m3	0.93	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Isopropanol (IPA)	**4.4**		ppbv	1.5	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Isopropanol (IPA)	**11**		ug/m3	3.7	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Methylene Chloride	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Methylene Chloride	ND		ug/m3	1.0	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
trans-1,2-Dichloroethene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
trans-1,2-Dichloroethene	ND		ug/m3	1.2	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
MTBE	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
MTBE	ND		ug/m3	1.1	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
n-Hexane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
n-Hexane	ND		ug/m3	1.1	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,1-Dichloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,1-Dichloroethane	ND		ug/m3	1.2	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Vinyl Acetate	ND		ppbv	1.5	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Vinyl Acetate	ND		ug/m3	5.3	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
cis-1,2-Dichloroethene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
cis-1,2-Dichloroethene	ND		ug/m3	1.2	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
2-Butanone	**5.0**		ppbv	1.5	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 514427

514427-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
2-Butanone	**15**		ug/m3	4.4	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Chloroform	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Chloroform	ND		ug/m3	1.5	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,1,1-Trichloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,1,1-Trichloroethane	ND		ug/m3	1.6	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Carbon Tetrachloride	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Carbon Tetrachloride	ND		ug/m3	1.9	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Benzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Benzene	ND		ug/m3	0.96	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,2-Dichloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,2-Dichloroethane	ND		ug/m3	1.2	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Trichloroethene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Trichloroethene	ND		ug/m3	1.6	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,2-Dichloropropane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,2-Dichloropropane	ND		ug/m3	1.4	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Bromodichloromethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Bromodichloromethane	ND		ug/m3	2.0	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
cis-1,3-Dichloropropene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
cis-1,3-Dichloropropene	ND		ug/m3	1.4	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
4-Methyl-2-Pentanone	**1.4**		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
4-Methyl-2-Pentanone	**5.8**		ug/m3	1.2	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Toluene	**1.4**		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Toluene	**5.2**		ug/m3	1.1	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
trans-1,3-Dichloropropene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
trans-1,3-Dichloropropene	ND		ug/m3	1.4	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,1,2-Trichloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,1,2-Trichloroethane	ND		ug/m3	1.6	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Tetrachloroethene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Tetrachloroethene	ND		ug/m3	2.0	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
2-Hexanone	ND		ppbv	0.75	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
2-Hexanone	ND		ug/m3	3.1	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Dibromochloromethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Dibromochloromethane	ND		ug/m3	2.6	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,2-Dibromoethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,2-Dibromoethane	ND		ug/m3	2.3	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Chlorobenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Chlorobenzene	ND		ug/m3	1.4	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Ethylbenzene	**0.32**		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Ethylbenzene	**1.4**		ug/m3	1.3	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
m,p-Xylenes	**1.1**		ppbv	0.60	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
m,p-Xylenes	**4.7**		ug/m3	2.6	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
o-Xylene	**0.57**		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
o-Xylene	**2.5**		ug/m3	1.3	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Styrene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Styrene	ND		ug/m3	1.3	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Bromoform	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Bromoform	ND		ug/m3	3.1	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,1,2,2-Tetrachloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.1	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,1,1,2-Tetrachloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.1	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
4-Ethyltoluene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 514427

514427-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
4-Ethyltoluene	ND		ug/m3	1.5	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,3,5-Trimethylbenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,3,5-Trimethylbenzene	ND		ug/m3	1.5	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,2,4-Trimethylbenzene	**1.0**		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,2,4-Trimethylbenzene	**4.9**		ug/m3	1.5	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,3-Dichlorobenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,3-Dichlorobenzene	ND		ug/m3	1.8	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,4-Dichlorobenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,4-Dichlorobenzene	ND		ug/m3	1.8	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Benzyl chloride	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Benzyl chloride	ND		ug/m3	1.6	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,2-Dichlorobenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,2-Dichlorobenzene	ND		ug/m3	1.8	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,2,4-Trichlorobenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
1,2,4-Trichlorobenzene	ND		ug/m3	2.2	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Hexachlorobutadiene	ND		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Hexachlorobutadiene	ND		ug/m3	3.2	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Xylene (total)	**1.7**		ppbv	0.30	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Xylene (total)	**7.2**		ug/m3	1.3	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD
Surrogates				**Limits**					
Bromofluorobenzene	101%		%REC	60-140	1.5	348267	08/21/24 20:11	08/21/24 20:11	OHD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 514427

Sample ID: V-SGP-2-5	Lab ID: 514427-002	Collected: 08/19/24 15:02
	Matrix: Air	

514427-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA TO-15 Prep Method: METHOD									
1,1-Difluoroethane	ND		ppbv	1.5	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,1-Difluoroethane	ND		ug/m3	4.1	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Freon 12	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Freon 12	ND		ug/m3	1.5	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Freon 114	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Freon 114	ND		ug/m3	2.1	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Chloromethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Chloromethane	ND		ug/m3	0.62	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Vinyl Chloride	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Vinyl Chloride	ND		ug/m3	0.77	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Bromomethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Bromomethane	ND		ug/m3	1.2	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Chloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Chloroethane	ND		ug/m3	0.79	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Trichlorofluoromethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Trichlorofluoromethane	ND		ug/m3	1.7	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,1-Dichloroethene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,1-Dichloroethene	ND		ug/m3	1.2	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Freon 113	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Freon 113	ND		ug/m3	2.3	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Acetone	**6.4**		ppbv	1.5	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Acetone	**15**		ug/m3	3.6	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Carbon Disulfide	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Carbon Disulfide	ND		ug/m3	0.93	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Isopropanol (IPA)	**2.5**		ppbv	1.5	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Isopropanol (IPA)	**6.1**		ug/m3	3.7	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Methylene Chloride	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Methylene Chloride	ND		ug/m3	1.0	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
trans-1,2-Dichloroethene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
trans-1,2-Dichloroethene	ND		ug/m3	1.2	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
MTBE	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
MTBE	ND		ug/m3	1.1	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
n-Hexane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
n-Hexane	ND		ug/m3	1.1	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,1-Dichloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,1-Dichloroethane	ND		ug/m3	1.2	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Vinyl Acetate	ND		ppbv	1.5	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Vinyl Acetate	ND		ug/m3	5.3	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
cis-1,2-Dichloroethene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
cis-1,2-Dichloroethene	ND		ug/m3	1.2	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
2-Butanone	ND		ppbv	1.5	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
2-Butanone	ND		ug/m3	4.4	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Chloroform	**0.30**		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Chloroform	**1.5**		ug/m3	1.5	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,1,1-Trichloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 514427

514427-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1,1-Trichloroethane	ND		ug/m3	1.6	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Carbon Tetrachloride	**0.38**		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Carbon Tetrachloride	**2.4**		ug/m3	1.9	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Benzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Benzene	ND		ug/m3	0.96	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,2-Dichloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,2-Dichloroethane	ND		ug/m3	1.2	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Trichloroethene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Trichloroethene	ND		ug/m3	1.6	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,2-Dichloropropane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,2-Dichloropropane	ND		ug/m3	1.4	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Bromodichloromethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Bromodichloromethane	ND		ug/m3	2.0	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
cis-1,3-Dichloropropene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
cis-1,3-Dichloropropene	ND		ug/m3	1.4	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
4-Methyl-2-Pentanone	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
4-Methyl-2-Pentanone	ND		ug/m3	1.2	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Toluene	**6.3**		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Toluene	**24**		ug/m3	1.1	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
trans-1,3-Dichloropropene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
trans-1,3-Dichloropropene	ND		ug/m3	1.4	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,1,2-Trichloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,1,2-Trichloroethane	ND		ug/m3	1.6	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Tetrachloroethene	**3.2**		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Tetrachloroethene	**22**		ug/m3	2.0	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
2-Hexanone	ND		ppbv	0.75	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
2-Hexanone	ND		ug/m3	3.1	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Dibromochloromethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Dibromochloromethane	ND		ug/m3	2.6	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,2-Dibromoethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,2-Dibromoethane	ND		ug/m3	2.3	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Chlorobenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Chlorobenzene	ND		ug/m3	1.4	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Ethylbenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Ethylbenzene	ND		ug/m3	1.3	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
m,p-Xylenes	ND		ppbv	0.60	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
m,p-Xylenes	ND		ug/m3	2.6	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
o-Xylene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
o-Xylene	ND		ug/m3	1.3	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Styrene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Styrene	ND		ug/m3	1.3	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Bromoform	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Bromoform	ND		ug/m3	3.1	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,1,2,2-Tetrachloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.1	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,1,1,2-Tetrachloroethane	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.1	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
4-Ethyltoluene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
4-Ethyltoluene	ND		ug/m3	1.5	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,3,5-Trimethylbenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,3,5-Trimethylbenzene	ND		ug/m3	1.5	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,2,4-Trimethylbenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 514427

514427-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,2,4-Trimethylbenzene	ND		ug/m3	1.5	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,3-Dichlorobenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,3-Dichlorobenzene	ND		ug/m3	1.8	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,4-Dichlorobenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,4-Dichlorobenzene	ND		ug/m3	1.8	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Benzyl chloride	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Benzyl chloride	ND		ug/m3	1.6	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,2-Dichlorobenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,2-Dichlorobenzene	ND		ug/m3	1.8	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,2,4-Trichlorobenzene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
1,2,4-Trichlorobenzene	ND		ug/m3	2.2	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Hexachlorobutadiene	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Hexachlorobutadiene	ND		ug/m3	3.2	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Xylene (total)	ND		ppbv	0.30	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Xylene (total)	ND		ug/m3	1.3	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD
Surrogates				**Limits**					
Bromofluorobenzene	101%		%REC	60-140	1.5	348267	08/21/24 20:43	08/21/24 20:43	OHD

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1179887**	**Batch:**	**348267**
Matrix:	**Air**	**Method:**	**EPA TO-15**	**Prep Method:**	**METHOD**

QC1179887 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Difluoroethane	10.51	10.00	ppbv	105%		70-130
Freon 12	8.714	10.00	ppbv	87%		70-130
Freon 114	8.651	10.00	ppbv	87%		70-130
Chloromethane	9.055	10.00	ppbv	91%		70-130
Vinyl Chloride	8.966	10.00	ppbv	90%		70-130
Bromomethane	8.847	10.00	ppbv	88%		70-130
Chloroethane	9.089	10.00	ppbv	91%		70-130
Trichlorofluoromethane	8.444	10.00	ppbv	84%		70-130
1,1-Dichloroethene	8.721	10.00	ppbv	87%		70-130
Freon 113	8.752	10.00	ppbv	88%		70-130
Acetone	8.856	10.00	ppbv	89%		70-130
Carbon Disulfide	9.106	10.00	ppbv	91%		70-130
Isopropanol (IPA)	8.565	10.00	ppbv	86%		70-130
Methylene Chloride	8.602	10.00	ppbv	86%		70-130
trans-1,2-Dichloroethene	8.717	10.00	ppbv	87%		70-130
MTBE	8.196	10.00	ppbv	82%		70-130
n-Hexane	10.34	10.00	ppbv	103%		70-130
1,1-Dichloroethane	8.747	10.00	ppbv	87%		70-130
Vinyl Acetate	8.116	10.00	ppbv	81%		70-130
cis-1,2-Dichloroethene	10.39	10.00	ppbv	104%		70-130
2-Butanone	9.541	10.00	ppbv	95%		70-130
Chloroform	10.26	10.00	ppbv	103%		70-130
1,1,1-Trichloroethane	10.44	10.00	ppbv	104%		70-130
Carbon Tetrachloride	10.76	10.00	ppbv	108%		70-130
Benzene	10.11	10.00	ppbv	101%		70-130
1,2-Dichloroethane	10.46	10.00	ppbv	105%		70-130
Trichloroethene	9.969	10.00	ppbv	100%		70-130
1,2-Dichloropropane	10.87	10.00	ppbv	109%		70-130
Bromodichloromethane	10.80	10.00	ppbv	108%		70-130
cis-1,3-Dichloropropene	10.72	10.00	ppbv	107%		70-130
4-Methyl-2-Pentanone	11.11	10.00	ppbv	111%		70-130
Toluene	10.22	10.00	ppbv	102%		70-130
trans-1,3-Dichloropropene	10.65	10.00	ppbv	107%		70-130
1,1,2-Trichloroethane	10.40	10.00	ppbv	104%		70-130
Tetrachloroethene	10.01	10.00	ppbv	100%		70-130
2-Hexanone	10.88	10.00	ppbv	109%		70-130
Dibromochloromethane	10.84	10.00	ppbv	108%		70-130
1,2-Dibromoethane	10.36	10.00	ppbv	104%		70-130
Chlorobenzene	10.29	10.00	ppbv	103%		70-130
Ethylbenzene	10.65	10.00	ppbv	106%		70-130
m,p-Xylenes	21.72	20.00	ppbv	109%		70-130
o-Xylene	10.60	10.00	ppbv	106%		70-130
Styrene	10.57	10.00	ppbv	106%		70-130
Bromoform	11.38	10.00	ppbv	114%		70-130
1,1,2,2-Tetrachloroethane	10.90	10.00	ppbv	109%		70-130
1,1,1,2-Tetrachloroethane	10.72	10.00	ppbv	107%		70-130
4-Ethyltoluene	10.89	10.00	ppbv	109%		70-130

ENTHALPY ANALYTICAL

Batch QC

QC1179887 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,3,5-Trimethylbenzene	10.87	10.00	ppbv	109%		70-130
1,2,4-Trimethylbenzene	10.77	10.00	ppbv	108%		70-130
1,3-Dichlorobenzene	10.56	10.00	ppbv	106%		70-130
1,4-Dichlorobenzene	10.18	10.00	ppbv	102%		70-130
Benzyl chloride	11.80	10.00	ppbv	118%		70-130
1,2-Dichlorobenzene	10.46	10.00	ppbv	105%		70-130
1,2,4-Trichlorobenzene	10.58	10.00	ppbv	106%		70-130
Hexachlorobutadiene	10.61	10.00	ppbv	106%		70-130
Surrogates						
Bromofluorobenzene	10.31	10.00	ppbv	103%		60-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1179888**	**Batch:**	**348267**
Matrix:	**Air**	**Method:**	**EPA TO-15**	**Prep Method:**	**METHOD**

QC1179888 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Difluoroethane	10.89	10.00	ppbv	109%		70-130	4	25
Freon 12	8.712	10.00	ppbv	87%		70-130	0	25
Freon 114	8.726	10.00	ppbv	87%		70-130	1	25
Chloromethane	9.056	10.00	ppbv	91%		70-130	0	25
Vinyl Chloride	8.894	10.00	ppbv	89%		70-130	1	25
Bromomethane	8.825	10.00	ppbv	88%		70-130	0	25
Chloroethane	8.932	10.00	ppbv	89%		70-130	2	25
Trichlorofluoromethane	8.577	10.00	ppbv	86%		70-130	2	25
1,1-Dichloroethene	8.793	10.00	ppbv	88%		70-130	1	25
Freon 113	8.805	10.00	ppbv	88%		70-130	1	25
Acetone	8.896	10.00	ppbv	89%		70-130	0	25
Carbon Disulfide	9.173	10.00	ppbv	92%		70-130	1	25
Isopropanol (IPA)	8.598	10.00	ppbv	86%		70-130	0	25
Methylene Chloride	8.719	10.00	ppbv	87%		70-130	1	25
trans-1,2-Dichloroethene	8.678	10.00	ppbv	87%		70-130	0	25
MTBE	8.244	10.00	ppbv	82%		70-130	1	25
n-Hexane	10.50	10.00	ppbv	105%		70-130	2	25
1,1-Dichloroethane	8.751	10.00	ppbv	88%		70-130	0	25
Vinyl Acetate	8.367	10.00	ppbv	84%		70-130	3	25
cis-1,2-Dichloroethene	10.65	10.00	ppbv	107%		70-130	2	25
2-Butanone	9.661	10.00	ppbv	97%		70-130	1	25
Chloroform	10.38	10.00	ppbv	104%		70-130	1	25
1,1,1-Trichloroethane	10.69	10.00	ppbv	107%		70-130	2	25
Carbon Tetrachloride	11.03	10.00	ppbv	110%		70-130	2	25
Benzene	10.27	10.00	ppbv	103%		70-130	2	25
1,2-Dichloroethane	10.51	10.00	ppbv	105%		70-130	0	25
Trichloroethene	10.25	10.00	ppbv	102%		70-130	3	25
1,2-Dichloropropane	11.19	10.00	ppbv	112%		70-130	3	25
Bromodichloromethane	11.04	10.00	ppbv	110%		70-130	2	25
cis-1,3-Dichloropropene	10.95	10.00	ppbv	110%		70-130	2	25
4-Methyl-2-Pentanone	11.32	10.00	ppbv	113%		70-130	2	25
Toluene	10.36	10.00	ppbv	104%		70-130	1	25
trans-1,3-Dichloropropene	11.08	10.00	ppbv	111%		70-130	4	25
1,1,2-Trichloroethane	10.63	10.00	ppbv	106%		70-130	2	25
Tetrachloroethene	10.19	10.00	ppbv	102%		70-130	2	25
2-Hexanone	11.29	10.00	ppbv	113%		70-130	4	25
Dibromochloromethane	11.05	10.00	ppbv	111%		70-130	2	25
1,2-Dibromoethane	10.60	10.00	ppbv	106%		70-130	2	25
Chlorobenzene	10.53	10.00	ppbv	105%		70-130	2	25
Ethylbenzene	10.79	10.00	ppbv	108%		70-130	1	25
m,p-Xylenes	21.90	20.00	ppbv	110%		70-130	1	25
o-Xylene	10.77	10.00	ppbv	108%		70-130	2	25
Styrene	10.79	10.00	ppbv	108%		70-130	2	25
Bromoform	11.80	10.00	ppbv	118%		70-130	4	25
1,1,2,2-Tetrachloroethane	11.12	10.00	ppbv	111%		70-130	2	25
1,1,1,2-Tetrachloroethane	11.00	10.00	ppbv	110%		70-130	3	25

ENTHALPY ANALYTICAL

Batch QC

QC1179888 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
4-Ethyltoluene	11.00	10.00	ppbv	110%		70-130	1	25
1,3,5-Trimethylbenzene	10.94	10.00	ppbv	109%		70-130	1	25
1,2,4-Trimethylbenzene	11.08	10.00	ppbv	111%		70-130	3	25
1,3-Dichlorobenzene	10.47	10.00	ppbv	105%		70-130	1	25
1,4-Dichlorobenzene	10.69	10.00	ppbv	107%		70-130	5	25
Benzyl chloride	12.56	10.00	ppbv	126%		70-130	6	25
1,2-Dichlorobenzene	10.57	10.00	ppbv	106%		70-130	1	25
1,2,4-Trichlorobenzene	10.90	10.00	ppbv	109%		70-130	3	25
Hexachlorobutadiene	10.90	10.00	ppbv	109%		70-130	3	25
Surrogates								
Bromofluorobenzene	10.35	10.00	ppbv	104%		60-140		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1179889**	**Batch:**	**348267**
Matrix:	**Air**	**Method:**	**EPA TO-15**	**Prep Method:**	**METHOD**

QC1179889 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1,1-Difluoroethane	ND		ppbv	1.0	08/21/24 09:15	08/21/24 09:15
Freon 12	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Freon 114	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Chloromethane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Vinyl Chloride	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Bromomethane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Chloroethane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Trichlorofluoromethane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,1-Dichloroethene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Freon 113	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Acetone	ND		ppbv	1.0	08/21/24 09:15	08/21/24 09:15
Carbon Disulfide	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Isopropanol (IPA)	ND		ppbv	1.0	08/21/24 09:15	08/21/24 09:15
Methylene Chloride	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
trans-1,2-Dichloroethene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
MTBE	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
n-Hexane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,1-Dichloroethane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Vinyl Acetate	ND		ppbv	1.0	08/21/24 09:15	08/21/24 09:15
cis-1,2-Dichloroethene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
2-Butanone	ND		ppbv	1.0	08/21/24 09:15	08/21/24 09:15
Chloroform	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,1,1-Trichloroethane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Carbon Tetrachloride	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Benzene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,2-Dichloroethane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Trichloroethene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,2-Dichloropropane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Bromodichloromethane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
cis-1,3-Dichloropropene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
4-Methyl-2-Pentanone	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Toluene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
trans-1,3-Dichloropropene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,1,2-Trichloroethane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Tetrachloroethene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
2-Hexanone	ND		ppbv	0.50	08/21/24 09:15	08/21/24 09:15
Dibromochloromethane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,2-Dibromoethane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Chlorobenzene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Ethylbenzene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
m,p-Xylenes	ND		ppbv	0.40	08/21/24 09:15	08/21/24 09:15
o-Xylene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Styrene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Bromoform	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,1,1,2-Tetrachloroethane	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
4-Ethyltoluene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15

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Batch QC

QC1179889 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1,3,5-Trimethylbenzene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,2,4-Trimethylbenzene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,3-Dichlorobenzene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,4-Dichlorobenzene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Benzyl chloride	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,2-Dichlorobenzene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
1,2,4-Trichlorobenzene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Hexachlorobutadiene	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Xylene (total)	ND		ppbv	0.20	08/21/24 09:15	08/21/24 09:15
Surrogates				**Limits**		
Bromofluorobenzene	102%		%REC	60-140	08/21/24 09:15	08/21/24 09:15

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 515957
Report Level : II
Report Date : 09/13/2024

Analytical Report *prepared for:*

Charles Barsamian
Willbanks Environmental Consulting
8413 N. Millbrook Ave, Ste 110
Fresno, CA 93720

Project: BONADELLE ARMSTRONG - 23.340

Authorized for release by:

Richard Villafania, Project Manager
richard.villafania@enthalpy.com

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

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Charles Barsamian Willbanks Environmental Consulting 8413 N. Millbrook Ave, Ste 110 Fresno, CA 93720		Lab Job #: Project No: Location: Date Received:	515957 BONADELLE ARMSTRONG 23.340 09/12/24

Sample ID	Lab ID	Collected	Matrix
V-SGP-3-5	515957-001	09/10/24 17:08	Air
V-SGP-4-5	515957-002	09/10/24 17:19	Air

ENTHALPY ANALYTICAL

Case Narrative

Willbanks Environmental Consulting 8413 N. Millbrook Ave, Ste 110 Fresno, CA 93720 Charles Barsamian	Lab Job Number: 515957 Project No: BONADELLE ARMSTRONG Location: 23.340 Date Received: 09/12/24

This data package contains sample and QC results for two air samples, requested for the above referenced project on 09/12/24. The samples were received intact.

Volatile Organics in Air by MS (EPA TO-15):

- High ICAL percent RSD (relative standard deviation) was observed for benzyl chloride in the calibration analyzed 09/05/24 10:50; affected data was qualified with "b".
- High recovery was observed for benzyl chloride in the BSD for batch 349958; the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples.
- No other analytical problems were encountered.

931 W. Barkley Ave., Orange, CA 92868
Phone: (714) 771-6900 Fax: (714) 538-1209

ENTHALPY ANALYTICAL

Air Chain of Custody Record

Lab Job No. 515957

Page 1 of 1

CUSTOMER INFORMATION				PROJECT INFORMATION		PO Number:
Company:	WILLBANKS ENVIRONMENTAL CONSULTING, INC.			Name:	BONADELLE ARMSTRONG	
Report To:	CHARLES BARSAMIAN			Number:	24.340	Lab Quote Number:
Email:	charles@wecenvironmental.com			Address:	1183 S. ARMSTRONG AVE, FRESNO, CA	
Address:	8413 N. MILLBRIDGE AVE, FRESNO, CA 93720					Analysis Request
				Global ID:		
Phone:	559-797-4181	Fax:		Sampled By:	CHARLES BARSAMIAN	

Special Instructions:

Required Turnaround Time
- Standard ☐
- 5 Day ☐
- 3 Day ☐
- 2 Day ☐
- 1 Day ☒
- Custom TAT: ____

	Sample ID	Air Type (I) Indoor (A) Ambient (SV) Soil Vapor	Equipment Information: Canister ID	Canister Size (6L or 1L)	Flow Controller ID	Start Sampling Information: Date	Time	Canister Pressure (in. Hg)	Stop Sampling Information: Date	Time	Canister Pressure (in. Hg)	TO-15	Comments
1	V-SGP-3-5	SV	C10441	1L	A10293	9-10-24	4:59 PM	-29	9-10-24	5:08 PM	-2	X	
2	V-SGP-4-5	SV	C10336	1L	A10436	9-10-24	5:10 PM	-30	9-10-24	5:19 PM	-2	X	
3													
4													
5													
6													
7													
8													
9													
10													

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE / TIME
RELINQUISHED BY:		CHARLES CASEY BARSAMIAN	WEC / ENG. TECH	9-11-24 / 12:00 PM
RECEIVED BY:		Daniel Swafford	Enthalpy	11:13
RELINQUISHED BY:				
RECEIVED BY:				
RELINQUISHED BY:				
RECEIVED BY:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 9/12/24 WO# 515957 Client: Willdanks

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 9/12/24 By (initials) DS Type of ice used : ☐ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☒ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: _____ CF: _____

Cooler Temp (°C) #1: ____/____ #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples AS 9/12/24 ☒ **No air samples submitted (skip 3c)**

☒ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)			✓
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?			✓
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged 9/12/24 **By (print)** _____ **(sign)** _____

Date Labeled 9/12/24 **By (print)** EA-Orange **(sign)** _____

View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialogue box that appears. Note: If your browser does not support this function, select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. **GETTING YOUR SHIPMENT TO UPS**
   Customers with a scheduled Pickup
   - Your driver will pickup your shipment(s) as usual.

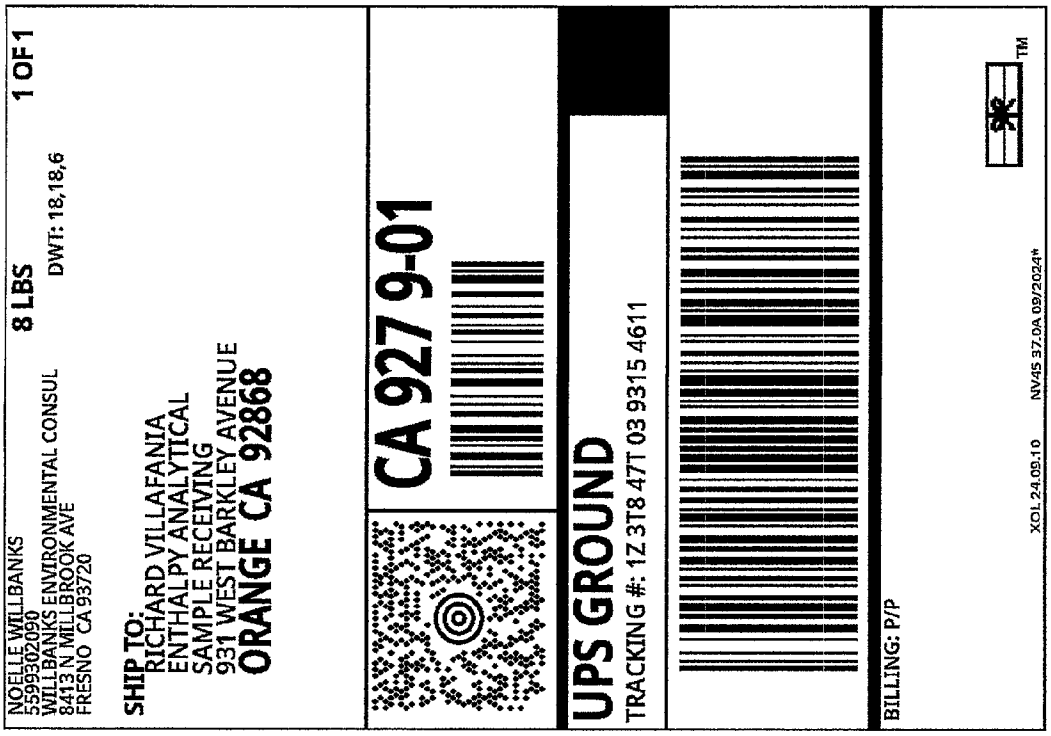
   Customers without a scheduled Pickup
   - Schedule a Pickup on ups.com to have a UPS driver pickup all of your packages.
   - Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. To find the location nearest you, please visit the 'Locations' Quick link at ups.com.

UPS Access Point™
THE UPS STORE
7726 N 1ST ST
FRESNO CA 93720-0989

UPS Access Point™
POSTAL EXPRESS AND GIFT
1099 E CHAMPLAIN DR
FRESNO CA 93720-5030

UPS Access Point™
CVS STORE # 9391
1113 E CHAMPLAIN DR
FRESNO CA 93720-4223

FOLD HERE



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Analysis Results for 515957

Charles Barsamian
Willbanks Environmental Consulting
8413 N. Millbrook Ave, Ste 110
Fresno, CA 93720

Lab Job #: 515957
Project No: BONADELLE ARMSTRONG
Location: 23.340
Date Received: 09/12/24

Sample ID: V-SGP-3-5 **Lab ID: 515957-001** **Collected: 09/10/24 17:08**
Matrix: Air

515957-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA TO-15 Prep Method: METHOD									
1,1-Difluoroethane	ND		ppbv	1.5	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,1-Difluoroethane	ND		ug/m3	4.1	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Freon 12	**0.37**		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Freon 12	**1.8**		ug/m3	1.5	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Freon 114	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Freon 114	ND		ug/m3	2.1	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Chloromethane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Chloromethane	ND		ug/m3	0.62	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Vinyl Chloride	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Vinyl Chloride	ND		ug/m3	0.77	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Bromomethane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Bromomethane	ND		ug/m3	1.2	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Chloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Chloroethane	ND		ug/m3	0.79	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Trichlorofluoromethane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Trichlorofluoromethane	ND		ug/m3	1.7	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,1-Dichloroethene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,1-Dichloroethene	ND		ug/m3	1.2	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Freon 113	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Freon 113	ND		ug/m3	2.3	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Acetone	**54**		ppbv	1.5	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Acetone	**130**		ug/m3	3.6	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Carbon Disulfide	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Carbon Disulfide	ND		ug/m3	0.93	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Isopropanol (IPA)	**4.5**		ppbv	1.5	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Isopropanol (IPA)	**11**		ug/m3	3.7	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Methylene Chloride	**1.5**		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Methylene Chloride	**5.3**		ug/m3	1.0	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
trans-1,2-Dichloroethene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
trans-1,2-Dichloroethene	ND		ug/m3	1.2	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
MTBE	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
MTBE	ND		ug/m3	1.1	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
n-Hexane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
n-Hexane	ND		ug/m3	1.1	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,1-Dichloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,1-Dichloroethane	ND		ug/m3	1.2	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Vinyl Acetate	ND		ppbv	1.5	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Vinyl Acetate	ND		ug/m3	5.3	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
cis-1,2-Dichloroethene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
cis-1,2-Dichloroethene	ND		ug/m3	1.2	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
2-Butanone	**8.8**		ppbv	1.5	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515957

515957-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
2-Butanone	**26**		ug/m3	4.4	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Chloroform	**1.1**		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Chloroform	**5.2**		ug/m3	1.5	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,1,1-Trichloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,1,1-Trichloroethane	ND		ug/m3	1.6	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Carbon Tetrachloride	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Carbon Tetrachloride	ND		ug/m3	1.9	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Benzene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Benzene	ND		ug/m3	0.96	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,2-Dichloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,2-Dichloroethane	ND		ug/m3	1.2	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Trichloroethene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Trichloroethene	ND		ug/m3	1.6	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,2-Dichloropropane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,2-Dichloropropane	ND		ug/m3	1.4	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Bromodichloromethane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Bromodichloromethane	ND		ug/m3	2.0	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
cis-1,3-Dichloropropene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
cis-1,3-Dichloropropene	ND		ug/m3	1.4	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
4-Methyl-2-Pentanone	**0.57**		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
4-Methyl-2-Pentanone	**2.3**		ug/m3	1.2	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Toluene	**0.34**		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Toluene	**1.3**		ug/m3	1.1	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
trans-1,3-Dichloropropene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
trans-1,3-Dichloropropene	ND		ug/m3	1.4	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,1,2-Trichloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,1,2-Trichloroethane	ND		ug/m3	1.6	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Tetrachloroethene	**0.43**		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Tetrachloroethene	**2.9**		ug/m3	2.0	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
2-Hexanone	ND		ppbv	0.75	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
2-Hexanone	ND		ug/m3	3.1	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Dibromochloromethane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Dibromochloromethane	ND		ug/m3	2.6	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,2-Dibromoethane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,2-Dibromoethane	ND		ug/m3	2.3	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Chlorobenzene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Chlorobenzene	ND		ug/m3	1.4	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Ethylbenzene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Ethylbenzene	ND		ug/m3	1.3	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
m,p-Xylenes	ND		ppbv	0.60	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
m,p-Xylenes	ND		ug/m3	2.6	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
o-Xylene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
o-Xylene	ND		ug/m3	1.3	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Styrene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Styrene	ND		ug/m3	1.3	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Bromoform	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Bromoform	ND		ug/m3	3.1	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,1,2,2-Tetrachloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.1	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,1,1,2-Tetrachloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.1	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
4-Ethyltoluene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 515957

515957-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
4-Ethyltoluene	ND		ug/m3	1.5	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,3,5-Trimethylbenzene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,3,5-Trimethylbenzene	ND		ug/m3	1.5	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,2,4-Trimethylbenzene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,2,4-Trimethylbenzene	ND		ug/m3	1.5	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,3-Dichlorobenzene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,3-Dichlorobenzene	ND		ug/m3	1.8	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,4-Dichlorobenzene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,4-Dichlorobenzene	ND		ug/m3	1.8	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Benzyl chloride	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Benzyl chloride	ND		ug/m3	1.6	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,2-Dichlorobenzene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,2-Dichlorobenzene	ND		ug/m3	1.8	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,2,4-Trichlorobenzene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
1,2,4-Trichlorobenzene	ND		ug/m3	2.2	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Hexachlorobutadiene	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Hexachlorobutadiene	ND		ug/m3	3.2	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Xylene (total)	ND		ppbv	0.30	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Xylene (total)	ND		ug/m3	1.3	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD
Surrogates				**Limits**					
Bromofluorobenzene	104%		%REC	60-140	1.5	349958	09/13/24 00:26	09/13/24 00:26	OHD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 515957

Sample ID: V-SGP-4-5	Lab ID: 515957-002	Collected: 09/10/24 17:19
	Matrix: Air	

515957-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA TO-15 Prep Method: METHOD									
1,1-Difluoroethane	ND		ppbv	1.5	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,1-Difluoroethane	ND		ug/m3	4.1	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Freon 12	**0.35**		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Freon 12	**1.7**		ug/m3	1.5	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Freon 114	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Freon 114	ND		ug/m3	2.1	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Chloromethane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Chloromethane	ND		ug/m3	0.62	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Vinyl Chloride	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Vinyl Chloride	ND		ug/m3	0.77	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Bromomethane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Bromomethane	ND		ug/m3	1.2	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Chloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Chloroethane	ND		ug/m3	0.79	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Trichlorofluoromethane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Trichlorofluoromethane	ND		ug/m3	1.7	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,1-Dichloroethene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,1-Dichloroethene	ND		ug/m3	1.2	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Freon 113	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Freon 113	ND		ug/m3	2.3	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Acetone	**35**		ppbv	1.5	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Acetone	**84**		ug/m3	3.6	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Carbon Disulfide	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Carbon Disulfide	ND		ug/m3	0.93	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Isopropanol (IPA)	**3.3**		ppbv	1.5	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Isopropanol (IPA)	**8.1**		ug/m3	3.7	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Methylene Chloride	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Methylene Chloride	ND		ug/m3	1.0	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
trans-1,2-Dichloroethene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
trans-1,2-Dichloroethene	ND		ug/m3	1.2	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
MTBE	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
MTBE	ND		ug/m3	1.1	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
n-Hexane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
n-Hexane	ND		ug/m3	1.1	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,1-Dichloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,1-Dichloroethane	ND		ug/m3	1.2	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Vinyl Acetate	ND		ppbv	1.5	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Vinyl Acetate	ND		ug/m3	5.3	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
cis-1,2-Dichloroethene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
cis-1,2-Dichloroethene	ND		ug/m3	1.2	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
2-Butanone	**5.5**		ppbv	1.5	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
2-Butanone	**16**		ug/m3	4.4	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Chloroform	**1.1**		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Chloroform	**5.4**		ug/m3	1.5	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,1,1-Trichloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 515957

515957-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1,1-Trichloroethane	ND		ug/m3	1.6	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Carbon Tetrachloride	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Carbon Tetrachloride	ND		ug/m3	1.9	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Benzene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Benzene	ND		ug/m3	0.96	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,2-Dichloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,2-Dichloroethane	ND		ug/m3	1.2	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Trichloroethene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Trichloroethene	ND		ug/m3	1.6	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,2-Dichloropropane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,2-Dichloropropane	ND		ug/m3	1.4	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Bromodichloromethane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Bromodichloromethane	ND		ug/m3	2.0	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
cis-1,3-Dichloropropene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
cis-1,3-Dichloropropene	ND		ug/m3	1.4	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
4-Methyl-2-Pentanone	**0.33**		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
4-Methyl-2-Pentanone	**1.3**		ug/m3	1.2	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Toluene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Toluene	ND		ug/m3	1.1	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
trans-1,3-Dichloropropene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
trans-1,3-Dichloropropene	ND		ug/m3	1.4	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,1,2-Trichloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,1,2-Trichloroethane	ND		ug/m3	1.6	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Tetrachloroethene	**0.36**		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Tetrachloroethene	**2.5**		ug/m3	2.0	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
2-Hexanone	ND		ppbv	0.75	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
2-Hexanone	ND		ug/m3	3.1	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Dibromochloromethane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Dibromochloromethane	ND		ug/m3	2.6	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,2-Dibromoethane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,2-Dibromoethane	ND		ug/m3	2.3	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Chlorobenzene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Chlorobenzene	ND		ug/m3	1.4	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Ethylbenzene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Ethylbenzene	ND		ug/m3	1.3	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
m,p-Xylenes	ND		ppbv	0.60	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
m,p-Xylenes	ND		ug/m3	2.6	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
o-Xylene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
o-Xylene	ND		ug/m3	1.3	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Styrene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Styrene	ND		ug/m3	1.3	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Bromoform	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Bromoform	ND		ug/m3	3.1	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,1,2,2-Tetrachloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.1	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,1,1,2-Tetrachloroethane	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.1	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
4-Ethyltoluene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
4-Ethyltoluene	ND		ug/m3	1.5	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,3,5-Trimethylbenzene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,3,5-Trimethylbenzene	ND		ug/m3	1.5	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,2,4-Trimethylbenzene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 515957

515957-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,2,4-Trimethylbenzene	ND		ug/m3	1.5	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,3-Dichlorobenzene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,3-Dichlorobenzene	ND		ug/m3	1.8	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,4-Dichlorobenzene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,4-Dichlorobenzene	ND		ug/m3	1.8	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Benzyl chloride	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Benzyl chloride	ND		ug/m3	1.6	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,2-Dichlorobenzene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,2-Dichlorobenzene	ND		ug/m3	1.8	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,2,4-Trichlorobenzene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
1,2,4-Trichlorobenzene	ND		ug/m3	2.2	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Hexachlorobutadiene	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Hexachlorobutadiene	ND		ug/m3	3.2	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Xylene (total)	ND		ppbv	0.30	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Xylene (total)	ND		ug/m3	1.3	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD
Surrogates				**Limits**					
Bromofluorobenzene	104%		%REC	60-140	1.5	349958	09/13/24 01:25	09/13/24 01:25	OHD

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1185412**	**Batch:**	**349958**
Matrix:	**Air**	**Method:**	**EPA TO-15**	**Prep Method:**	**METHOD**

QC1185412 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Difluoroethane	9.512	10.00	ppbv	95%		70-130
Freon 12	8.752	10.00	ppbv	88%		70-130
Freon 114	8.752	10.00	ppbv	88%		70-130
Chloromethane	8.698	10.00	ppbv	87%		70-130
Vinyl Chloride	8.823	10.00	ppbv	88%		70-130
Bromomethane	8.603	10.00	ppbv	86%		70-130
Chloroethane	8.793	10.00	ppbv	88%		70-130
Trichlorofluoromethane	8.741	10.00	ppbv	87%		70-130
1,1-Dichloroethene	8.847	10.00	ppbv	88%		70-130
Freon 113	8.717	10.00	ppbv	87%		70-130
Acetone	8.461	10.00	ppbv	85%		70-130
Carbon Disulfide	8.835	10.00	ppbv	88%		70-130
Isopropanol (IPA)	9.000	10.00	ppbv	90%		70-130
Methylene Chloride	8.751	10.00	ppbv	88%		70-130
trans-1,2-Dichloroethene	9.605	10.00	ppbv	96%		70-130
MTBE	10.00	10.00	ppbv	100%		70-130
n-Hexane	9.704	10.00	ppbv	97%		70-130
1,1-Dichloroethane	9.354	10.00	ppbv	94%		70-130
Vinyl Acetate	9.957	10.00	ppbv	100%		70-130
cis-1,2-Dichloroethene	9.612	10.00	ppbv	96%		70-130
2-Butanone	9.878	10.00	ppbv	99%		70-130
Chloroform	9.339	10.00	ppbv	93%		70-130
1,1,1-Trichloroethane	9.700	10.00	ppbv	97%		70-130
Carbon Tetrachloride	9.746	10.00	ppbv	97%		70-130
Benzene	9.601	10.00	ppbv	96%		70-130
1,2-Dichloroethane	9.063	10.00	ppbv	91%		70-130
Trichloroethene	10.03	10.00	ppbv	100%		70-130
1,2-Dichloropropane	9.683	10.00	ppbv	97%		70-130
Bromodichloromethane	9.551	10.00	ppbv	96%		70-130
cis-1,3-Dichloropropene	10.09	10.00	ppbv	101%		70-130
4-Methyl-2-Pentanone	10.28	10.00	ppbv	103%		70-130
Toluene	9.745	10.00	ppbv	97%		70-130
trans-1,3-Dichloropropene	10.54	10.00	ppbv	105%		70-130
1,1,2-Trichloroethane	9.534	10.00	ppbv	95%		70-130
Tetrachloroethene	9.538	10.00	ppbv	95%		70-130
2-Hexanone	10.40	10.00	ppbv	104%		70-130
Dibromochloromethane	10.03	10.00	ppbv	100%		70-130
1,2-Dibromoethane	9.905	10.00	ppbv	99%		70-130
Chlorobenzene	9.990	10.00	ppbv	100%		70-130
Ethylbenzene	10.13	10.00	ppbv	101%		70-130
m,p-Xylenes	20.80	20.00	ppbv	104%		70-130
o-Xylene	10.39	10.00	ppbv	104%		70-130
Styrene	10.78	10.00	ppbv	108%		70-130
Bromoform	10.90	10.00	ppbv	109%		70-130
1,1,2,2-Tetrachloroethane	10.11	10.00	ppbv	101%		70-130
1,1,1,2-Tetrachloroethane	10.02	10.00	ppbv	100%		70-130
4-Ethyltoluene	10.54	10.00	ppbv	105%		70-130

ENTHALPY ANALYTICAL

Batch QC

QC1185412 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,3,5-Trimethylbenzene	10.79	10.00	ppbv	108%		70-130
1,2,4-Trimethylbenzene	10.88	10.00	ppbv	109%		70-130
1,3-Dichlorobenzene	10.38	10.00	ppbv	104%		70-130
1,4-Dichlorobenzene	10.69	10.00	ppbv	107%		70-130
Benzyl chloride	12.94	10.00	ppbv	129%	b	70-130
1,2-Dichlorobenzene	10.55	10.00	ppbv	106%		70-130
1,2,4-Trichlorobenzene	10.88	10.00	ppbv	109%		70-130
Hexachlorobutadiene	9.535	10.00	ppbv	95%		70-130
Surrogates						
Bromofluorobenzene	10.72	10.00	ppbv	107%		60-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1185413**	**Batch:**	**349958**
Matrix:	**Air**	**Method:**	**EPA TO-15**	**Prep Method:**	**METHOD**

QC1185413 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Difluoroethane	9.560	10.00	ppbv	96%		70-130	1	25
Freon 12	8.272	10.00	ppbv	83%		70-130	6	25
Freon 114	8.368	10.00	ppbv	84%		70-130	4	25
Chloromethane	8.375	10.00	ppbv	84%		70-130	4	25
Vinyl Chloride	8.392	10.00	ppbv	84%		70-130	5	25
Bromomethane	8.444	10.00	ppbv	84%		70-130	2	25
Chloroethane	8.572	10.00	ppbv	86%		70-130	3	25
Trichlorofluoromethane	8.384	10.00	ppbv	84%		70-130	4	25
1,1-Dichloroethene	8.394	10.00	ppbv	84%		70-130	5	25
Freon 113	8.352	10.00	ppbv	84%		70-130	4	25
Acetone	8.014	10.00	ppbv	80%		70-130	5	25
Carbon Disulfide	8.601	10.00	ppbv	86%		70-130	3	25
Isopropanol (IPA)	8.591	10.00	ppbv	86%		70-130	5	25
Methylene Chloride	8.422	10.00	ppbv	84%		70-130	4	25
trans-1,2-Dichloroethene	9.466	10.00	ppbv	95%		70-130	1	25
MTBE	9.785	10.00	ppbv	98%		70-130	2	25
n-Hexane	9.708	10.00	ppbv	97%		70-130	0	25
1,1-Dichloroethane	9.312	10.00	ppbv	93%		70-130	0	25
Vinyl Acetate	10.10	10.00	ppbv	101%		70-130	1	25
cis-1,2-Dichloroethene	9.424	10.00	ppbv	94%		70-130	2	25
2-Butanone	9.432	10.00	ppbv	94%		70-130	5	25
Chloroform	9.226	10.00	ppbv	92%		70-130	1	25
1,1,1-Trichloroethane	9.554	10.00	ppbv	96%		70-130	2	25
Carbon Tetrachloride	9.595	10.00	ppbv	96%		70-130	2	25
Benzene	9.609	10.00	ppbv	96%		70-130	0	25
1,2-Dichloroethane	9.027	10.00	ppbv	90%		70-130	0	25
Trichloroethene	9.679	10.00	ppbv	97%		70-130	4	25
1,2-Dichloropropane	9.478	10.00	ppbv	95%		70-130	2	25
Bromodichloromethane	9.625	10.00	ppbv	96%		70-130	1	25
cis-1,3-Dichloropropene	10.04	10.00	ppbv	100%		70-130	0	25
4-Methyl-2-Pentanone	10.05	10.00	ppbv	100%		70-130	2	25
Toluene	9.724	10.00	ppbv	97%		70-130	0	25
trans-1,3-Dichloropropene	10.46	10.00	ppbv	105%		70-130	1	25
1,1,2-Trichloroethane	9.466	10.00	ppbv	95%		70-130	1	25
Tetrachloroethene	9.421	10.00	ppbv	94%		70-130	1	25
2-Hexanone	10.15	10.00	ppbv	101%		70-130	2	25
Dibromochloromethane	9.978	10.00	ppbv	100%		70-130	0	25
1,2-Dibromoethane	9.683	10.00	ppbv	97%		70-130	2	25
Chlorobenzene	10.14	10.00	ppbv	101%		70-130	1	25
Ethylbenzene	10.36	10.00	ppbv	104%		70-130	2	25
m,p-Xylenes	21.28	20.00	ppbv	106%		70-130	2	25
o-Xylene	10.46	10.00	ppbv	105%		70-130	1	25
Styrene	11.09	10.00	ppbv	111%		70-130	3	25
Bromoform	11.12	10.00	ppbv	111%		70-130	2	25
1,1,2,2-Tetrachloroethane	10.23	10.00	ppbv	102%		70-130	1	25
1,1,1,2-Tetrachloroethane	10.17	10.00	ppbv	102%		70-130	1	25

ENTHALPY ANALYTICAL

Batch QC

QC1185413 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
4-Ethyltoluene	10.79	10.00	ppbv	108%		70-130	2	25
1,3,5-Trimethylbenzene	10.95	10.00	ppbv	110%		70-130	1	25
1,2,4-Trimethylbenzene	11.02	10.00	ppbv	110%		70-130	1	25
1,3-Dichlorobenzene	10.64	10.00	ppbv	106%		70-130	3	25
1,4-Dichlorobenzene	10.95	10.00	ppbv	109%		70-130	2	25
Benzyl chloride	13.21	10.00	ppbv	132%	b,*	70-130	2	25
1,2-Dichlorobenzene	10.76	10.00	ppbv	108%		70-130	2	25
1,2,4-Trichlorobenzene	11.08	10.00	ppbv	111%		70-130	2	25
Hexachlorobutadiene	9.720	10.00	ppbv	97%		70-130	2	25
Surrogates								
Bromofluorobenzene	10.95	10.00	ppbv	109%		60-140		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1185414**	**Batch:**	**349958**
Matrix:	**Air**	**Method:**	**EPA TO-15**	**Prep Method:**	**METHOD**

QC1185414 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1,1-Difluoroethane	ND		ppbv	1.0	09/12/24 08:35	09/12/24 08:35
Freon 12	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Freon 114	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Chloromethane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Vinyl Chloride	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Bromomethane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Chloroethane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Trichlorofluoromethane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,1-Dichloroethene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Freon 113	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Acetone	ND		ppbv	1.0	09/12/24 08:35	09/12/24 08:35
Carbon Disulfide	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Isopropanol (IPA)	ND		ppbv	1.0	09/12/24 08:35	09/12/24 08:35
Methylene Chloride	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
trans-1,2-Dichloroethene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
MTBE	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
n-Hexane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,1-Dichloroethane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Vinyl Acetate	ND		ppbv	1.0	09/12/24 08:35	09/12/24 08:35
cis-1,2-Dichloroethene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
2-Butanone	ND		ppbv	1.0	09/12/24 08:35	09/12/24 08:35
Chloroform	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,1,1-Trichloroethane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Carbon Tetrachloride	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Benzene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,2-Dichloroethane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Trichloroethene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,2-Dichloropropane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Bromodichloromethane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
cis-1,3-Dichloropropene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
4-Methyl-2-Pentanone	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Toluene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
trans-1,3-Dichloropropene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,1,2-Trichloroethane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Tetrachloroethene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
2-Hexanone	ND		ppbv	0.50	09/12/24 08:35	09/12/24 08:35
Dibromochloromethane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,2-Dibromoethane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Chlorobenzene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Ethylbenzene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
m,p-Xylenes	ND		ppbv	0.40	09/12/24 08:35	09/12/24 08:35
o-Xylene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Styrene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Bromoform	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,1,1,2-Tetrachloroethane	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
4-Ethyltoluene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35

ENTHALPY ANALYTICAL

Batch QC

QC1185414 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1,3,5-Trimethylbenzene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,2,4-Trimethylbenzene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,3-Dichlorobenzene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,4-Dichlorobenzene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Benzyl chloride	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,2-Dichlorobenzene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
1,2,4-Trichlorobenzene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Hexachlorobutadiene	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Xylene (total)	ND		ppbv	0.20	09/12/24 08:35	09/12/24 08:35
Surrogates				**Limits**		
Bromofluorobenzene	106%		%REC	60-140	09/12/24 08:35	09/12/24 08:35

* Value is outside QC limits
ND Not Detected
b See narrative

FIELD SOIL VAPOR PROBE SAMPLING FORM

Site Name: BONADELLE ARMSTRONG

Sampling Point ID: V-SGP-1-5

Key No./Facility: 1099 SOUTH ARMSTRONG

Atmospheric Pressure: 29.96

Date: 8-19-24

Surface Description:

(SOIL)	CONCRETE	ASPHALT
Slab thickness (in)		

WIND FROM:

N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY

WEATHER:

(SUNNY)	CLOUDY	RAINY	?

TEMP: 90 °F

Shut-in Leak Check Performed? X -10 Starting Pressure -10 Ending Pressure

AIR COLUMN HEIGHT

Date	Time	Completion Depth (feet)	Length of Sampling Train (ft) (Completion depth + 5 ft)
~~8-16-24~~ 8-16-24	16:00	5'	7'

PURGE VOLUME

Tubing Inner Diam. (inches)	Tubing Volume/Linear Foot (mL) (See conversions below)	Filter Pack Vol./LF (mL) (See below)	Total Purge Vol.* (mL) (Tubing + Filter Pack)	3x Purge Vol. (mL)
0.19	39.0 mL	73.3 mL	112.3 mL	337 mL

TUBING VOLUME CONVERSIONS (Use tubing inner diameter to determine Volume/Linear Foot)

0.17" = 4.46 mL (LDPE/HDPE/Teflon Tubing)	0.1875" = 5.43 mL (Teflon/Teflon Lined LDPE Tubing)	0.19" = 5.58 mL Nylaflow Tubing

*1 well volume = Volume/Linear Foot x Length of Sampling Train (in feet)

FILTER PACK VOLUME CONVERSIONS (Use 1 ft of #3 Sand & 1 ft dry granular bentonite length to determine Volume/Linear Ft)

Ø 1.5" = 174 mL	Ø 2" = 310 mL	Ø 4" = 1,233 mL	Ø 6" = 2,780 mL

Note: 0.25 used for porosity

WELL PURGE AIR QUALITY

sec = (3x purge vol.(mL) ÷ 200 mL/min) ÷ 60 sec/min

Purge Start Time: 13:45 Purge End Time: 13:47 Total Purge Time (sec): 90 SECONDS

Well Volume	Purged (mL)	PID Reading (ppbV) PID Model #:
0	0	~~0~~
3x	337 mL	~~0~~
Total Volume Purged:		

Purge Equipment Used (syringe, canister, etc): SKC POCKET PUMP

Leak Detection Used (Isopropyl alcohol wipe, etc): ISOPROPYL ALCOHOL WIPE

SOIL VAPOR SAMPLING DATA

Date	Start Time	End Time	Sample ID	Canister ID	Flow Regulator #	Initial Vacuum	Final Vacuum
8-19-24	13:52	14:01	V-SGP-1-5	C10702	A10617	-28	-1

Sampling Equipment Used: 1-LITER PASSIVATED SUMMA & DOWN HOLE SAMPLER

SAMPLER: CHARLES C. BARSAMIAN (PRINTED NAME) (SIGNATURE)

FIELD SOIL VAPOR PROBE SAMPLING FORM

Site Name: BONADELLE ARMSTRONG

Key No./Facility: 1183 S. ARMSTRONG

Date: 8-19-2024

Sampling Point ID: SGP-2-5

Atmospheric Pressure: 29.91

Surface Description:

(SOIL)	CONCRETE	ASPHALT
Slab thickness (in)		

WIND FROM:

N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY

WEATHER:

(SUNNY)	CLOUDY	RAINY	?

TEMP ____ °F

Shut-in Leak Check Performed? [X] -10 Starting Pressure -10 Ending Pressure

AIR COLUMN HEIGHT

Date	Time	Completion Depth (feet)	Length of Sampling Train (ft) (Completion depth + 5 ft)
8-16-24	15:45	5'	7'

PURGE VOLUME

Tubing Inner Diam. (inches)	Tubing Volume/Linear Foot (mL) (See conversions below)	Filter Pack Vol./LF (mL) (See below)	Total Purge Vol.* (mL) (Tubing + Filter Pack)	3x Purge Vol. (mL)
0.19	39.0 mL	73.3 mL	112.3 mL	337 mL

TUBING VOLUME CONVERSIONS (Use tubing inner diameter to determine Volume/Linear Foot)

0.17" = 4.46 mL (LDPE/HDPE/Teflon Tubing)	0.1875" = 5.43 mL (Teflon/Teflon Lined LDPE Tubing)	0.19" = 5.58 mL Nylaflow Tubing

*1 well volume = Volume/Linear Foot x Length of Sampling Train (in feet)

FILTER PACK VOLUME CONVERSIONS (Use 1 ft of #3 Sand & 1 ft dry granular bentonite length to determine Volume/Linear Ft)

Ø 1.5" = 174 mL	Ø 2" = 310 mL	Ø 4" = 1,233 mL	Ø 6" = 2,780 mL

Note: 0.25 used for porosity

WELL PURGE AIR QUALITY

sec = (3x purge vol.(mL) ÷ 200 mL/min) ÷ 60 sec/min

Purge Start Time: 14:44 Purge End Time: 14:46 Total Purge Time (sec): 90 SECONDS

Well Volume	Purged (mL)	PID Reading (ppbV) PID Model #:
0	0	0
3x	337	0
Total Volume Purged:		

Purge Equipment Used (syringe, canister, etc): SKC POCKET PUMP

Leak Detection Used (Isopropyl alcohol wipe, etc): ISOPROPYL ALCOHOL WIPE

SOIL VAPOR SAMPLING DATA

Date	Start Time	End Time	Sample ID	Canister ID	Flow Regulator #	Initial Vacuum	Final Vacuum
8-19-24	14:53	15:02	V-SGP-2.5	C10794	A10356	-29	-1

Sampling Equipment Used: 1-LITER PASSIVATED SUMMA + DOWNHOLE SAMPLER

SAMPLER: CHARLES L. BARGAMIN (PRINTED NAME) (SIGNATURE)

FIELD SOIL VAPOR PROBE SAMPLING FORM

Site Name: BONADELLE ARMSTRONG | Sampling Point ID: SGP-3-5'

Key No./Facility: 15' WEST OF SGP-2-5 | Atmospheric Pressure: 29.70 in.

Date: 9-10-24 | Surface Description: (SOIL) | CONCRETE | ASPHALT | Slab thickness (in)

WIND FROM: N | NE | E | SE | S | SW | W | NW | LIGHT | MEDIUM | HEAVY

WEATHER: (SUNNY) | CLOUDY | RAINY | ? | TEMP 96 °F

Shut-in Leak Check Performed? [X] -10 Starting Pressure -10 Ending Pressure

AIR COLUMN HEIGHT

Date	Time	Completion Depth (feet)	Length of Sampling Train (ft) (Completion depth + ~~8~~ ft) 2
9-10-24	~~12~~ 2:30	5'	7'

PURGE VOLUME

Tubing Inner Diam. (inches)	**Tubing** Volume/Linear Foot (mL) (See conversions below)	**Filter Pack** Vol./LF (mL) (See below)	Total Purge Vol.* (mL) (Tubing + Filter Pack)	3x Purge Vol. (mL)
0.19	5.58 x 7.39.06	~80 mL	~119	357 mL

TUBING VOLUME CONVERSIONS (Use tubing inner diameter to determine Volume/Linear Foot)

0.17" = 4.46 mL (LDPE/HDPE/Teflon Tubing)	0.1875" = 5.43 mL (Teflon/Teflon Lined LDPE Tubing)	0.19" = 5.58 mL Nylaflow Tubing

*1 well volume = Volume/Linear Foot x Length of Sampling Train (in feet)

FILTER PACK VOLUME CONVERSIONS (Use 1 ft of #3 Sand & 1 ft dry granular bentonite length to determine Volume/Linear Ft)

Ø 1.5" = 174 mL	Ø 2" = 310 mL	Ø 4" = 1,233 mL	Ø 6" = 2,780 mL

Note: 0.25 used for porosity

WELL PURGE AIR QUALITY

sec = (3x purge vol.(mL) ÷ 200 mL/min) ÷ 60 sec/min

Purge Start Time: 4:50 | Purge End Time: 4:52 | Total Purge Time (sec): 90 SECONDS

Well Volume	Purged (mL)	PID Reading (ppbV) PID Model #:
0	0	~~0~~
3x	357 mL	~~0~~
Total Volume Purged:		

Purge Equipment Used (syringe, canister, etc): SKC POCKET PUMP

Leak Detection Used (Isopropyl alcohol wipe, etc): ISOPROPYL ALCOHOL WIPE

SOIL VAPOR SAMPLING DATA

Date	Start Time	End Time	Sample ID	Canister ID	Flow Regulator #	Initial Vacuum	Final Vacuum
9-10-24	4:59	5:08	V-SGP-3-5	C10441	A10293	-29	-2

Sampling Equipment Used: 1-L TEDLAR SUMMA & DOWNHOLE SAMPLER

SAMPLER: C. BARSAMIAN (PRINTED NAME) (SIGNATURE)

FIELD SOIL VAPOR PROBE SAMPLING FORM

Site Name: Bonadelle Armstrong | Sampling Point ID: SGP-4-5

Key No./Facility: 20' Northwest of SGP-2-5 | Atmospheric Pressure: 29.70

Date: 9-10-24 | Surface Description: (SOIL) | CONCRETE | ASPHALT

Slab thickness (in)		

WIND FROM: (N) | NE | E | SE | S | SW | W | NW | LIGHT | MEDIUM | HEAVY

WEATHER: (SUNNY) | CLOUDY | RAINY | ? | TEMP 96 °F

Shut-in Leak Check Performed? (X) -10 Starting Pressure -10 Ending Pressure

AIR COLUMN HEIGHT

Date	Time	Completion Depth (feet)	Length of Sampling Train (ft) (Completion depth + 5 ft) 2
9-10-24	2:45	5'	7

PURGE VOLUME

Tubing Inner Diam. (inches)	**Tubing** Volume/Linear Foot (mL) (See conversions below)	**Filter Pack** Vol./LF (mL) (See below)	Total Purge Vol.* (mL) (Tubing + Filter Pack)	3x Purge Vol. (mL)
0.19	5.58×0.19=36.06	~80 mL	~119 mL	357 mL

TUBING VOLUME CONVERSIONS (Use tubing inner diameter to determine Volume/Linear Foot)

0.17" = 4.46 mL (LDPE/HDPE/Teflon Tubing)	0.1875" = 5.43 mL (Teflon/Teflon Lined LDPE Tubing)	0.19" = 5.58 mL Nylaflow Tubing

*1 well volume = Volume/Linear Foot x Length of Sampling Train (in feet)

FILTER PACK VOLUME CONVERSIONS (Use 1 ft of #3 Sand & 1 ft dry granular bentonite length to determine Volume/Linear Ft)

Ø 1.5" = 174 mL	Ø 2" = 310 mL	Ø 4" = 1,233 mL	Ø 6" = 2,780 mL

Note: 0.25 used for porosity

WELL PURGE AIR QUALITY

sec = (3x purge vol.(mL) ÷ 200 mL/min) ÷ 60 sec/min

Purge Start Time: 5:08 **Purge End Time:** 5:10 **Total Purge Time (sec):** 90 seconds

Well Volume	Purged (mL)	PID Reading (ppbV) PID Model #:
0	0	0
3x	357 mL	0
Total Volume Purged:		

Purge Equipment Used (syringe, canister, etc): SKC Pocket Pump

Leak Detection Used (Isopropyl alcohol wipe, etc): Isopropyl Alcohol Wipe

SOIL VAPOR SAMPLING DATA

Date	Start Time	End Time	Sample ID	Canister ID	Flow Regulator #	Initial Vacuum	Final Vacuum
9-10-24	5:10	5:19	V-SGP-4-5	C10336	A10436	-30	-2

Sampling Equipment Used: 1-Liter Summa Canister & Downhole Sampler

SAMPLER: Charles Barsamian (PRINTED NAME) (SIGNATURE)