

SUBJECT

Area of Concern Number 4 Gabion Soil Removal
Pacific Gas and Electric Topock Compressor Station

TO

Scott Graunke, PG&E
David Diaz, PG&E

DATE

November 21, 2025

DEPARTMENT

Environment

FROM

Daniel Talbot
Arcadis U.S., Inc.

PROJECT NUMBER

30198651

This memorandum documents the work that was conducted during soil removal activities at the Pacific Gas and Electric (PG&E) Topock Compressor Station Area of Concern 4 (AOC 4) gabion dam (gabion). This maintenance work was conducted pursuant to the Implementation Report for the Time Critical Removal Action (TCRA) at AOC 4 (Implementation Report) (CH2M HILL 2011). Work associated with soil removal and site restoration conducted between November 11 and November 15, 2024, by PG&E's contractor, Arcadis U.S., Inc. (Arcadis), was in the area just upstream of the gabion, on the Refuge and outside of PG&E property.

Background

The AOC 4 TCRA work that was completed in 2010 included soil and debris removal in the ravine south of the Topock Compressor Station (TCS), or the AOC 4 ravine. As part of the AOC 4 TCRA work completed in 2010, a check dam and a gabion dam were constructed in the upper part of the AOC 4 ravine and at the Bat Cave Wash (BCW) confluence, respectively (Figure 1).

The AOC 4 ravine extends south of the TCS and has historically experienced surface water run off during rainfall events. The purpose of the gabion was, and still is, to capture sediment that has washed down from the AOC 4 TCRA area during surface water flow events and to keep this sediment from migrating into the BCW.

As stated in the Implementation Report, maintenance of the gabion including periodic removal of soil that accumulates behind the gabion is needed so that the gabion can continue to function as designed and collect sediment during future surface water flow events. Since completion of the AOC 4 NTCRA, PG&E continues to conduct visual inspections of the gabion and removed soil trapped behind the gabion in 2013 and 2021.

The upper check dam was also installed to capture sediment in the upper portion of the AOC 4 wash; however, soil removal at the check dam is difficult due to the rugged nature and steep slopes of the AOC 4 ravine. Therefore, the check dam was removed in 2021 so that trapped sediment can continue migrating down the ravine to the gabion.

This memorandum refers to the excavated material that was transported during surface water flow events as sediment, and sediment that becomes trapped or collected behind a gabion as soil.

Soil Characterization

Two in-situ soil samples were collected from the excavation area on the upstream side of the gabion on October 15, 2024, to characterize the soil for purposes of soil management. The soil samples were collected at a depth of approximately 2 feet below ground surface.

Based on the analytical results, the excavated soils/sediments are non-hazardous. Results are included in Appendix B. The soils were approved for transport and disposal at a PG&E approved Class II Landfill Facility.

The excavated soil was stockpiled at the Soil Processing Yard (SPY) and then hauled offsite to the PG&E approved Landfill Facility, Republic Services, Inc. Lapaz County Landfill, on January 14 and January 15, 2025. Off-site transportation manifests and landfill weight tickets are provided in Attachment C.

Last Look, Biological, Cultural, and Compliance Monitoring

Prior to starting work the morning of November 11, 2024, a Last Look meeting was held at AOC 4 gabion with PG&E, Arcadis, and PG&E's qualified project biologists, archeologists, and compliance personnel. Stakeholders were notified of the Last Look meeting and the work to be completed as part of the Stakeholder communication protocol that includes providing notification of the work six weeks prior to commencement.

During the Last Look meeting, Arcadis described the soil removal scope of work and answered questions related to work methods, access, and the work area. Conditions and work areas of the environmental release to construct (ERTC), submitted to the project stakeholders and agencies, was also described during the Last Look meeting. PG&E's qualified biologists, archeologists and compliance personnel described the pre-construction survey completed within the work area that were consistent with other projects at Topock and described the monitoring that would be performed.

PG&E's qualified archeologist and Monitors were provided opportunities and access to inspect the soil for artifacts and fossils during the project. A safe observation area was provided for the Monitors that allowed work to be observed from an agreeable vantage point.

In addition, PG&E's qualified project archaeologist, biologist and compliance personnel were onsite to observe work related to compliance mitigations, vegetation preservation and to complete dust and noise monitoring activities.

Access Route and Work Areas

The work area was located at the confluence of the AOC 4 ravine and the BCW, southwest of the TCS. The primary access route was from the Park Moabi I-40 freeway overpass, along the SoCal Gas pipeline access road and up the active channel of the BCW. The access route followed existing, established dirt roads except for the portion along the bottom of BCW. In the area of BCW, traffic delineators were placed to demarcate the limits of the work area including south of BCW and through the access route up BCW. These were used to focus traffic on one travel path and to reduce impact to vegetation and the natural landscape of the BCW channel. The access route along the bottom of the BCW was temporary and was roped off to keep the public from driving on it during non-working periods. A second access route was available through the TCS's west access gate and acted as an emergency secondary access route if needed.

The established dirt road along the primary access route was graded and repaired during the beginning and end of the project; however, no grading was conducted along the bottom of BCW. Straw wattles were also placed along the edge of the primary access route between the access route and BCW.

Soil Removal and Excavation Methods

Once the work area was delineated and best management practices (BMPs) were installed, a long-reach excavator, loader, water truck, and a dump truck were mobilized into the work area. The long-reach excavator was used to remove the bulk of the soil and sediment that was behind the gabion. Soil and sediment that had accumulated behind the gabion was removed by excavating "loose" material that was above or upstream of the gabion. Soil and sediment that was removed with the long-reach excavator was loaded directly into a dump truck, and the soil transported and stockpiled at the SPY.

Some areas were excavated using hand tools where the soil was shoveled directly into the excavator bucket and loaded into the dump truck. The hand tool work was utilized to complete work to remove additional soil that the excavator could not reach, see photos in Appendix A.

The location where the soil and sediment was excavated is displayed in Figure 1 and includes an approximate area of 700 square feet. The depth of the excavation was approximately 3 feet deep at the northern boundary of the excavation and 1 foot deep at the southern boundary of the excavation, where the bedrock was shallower. Approximately 36 cubic yards (54 tons) of soil, sediment and debris was excavated and removed from the excavation on the east side of the AOC 4 gabion. Roughly 10 percent of the soil remained in the excavation area, as some material was either unable to be removed with the excavator or shovels due to it being too far into the canyon to reach with the excavator.

Dust Suppression

Dust suppression was a critical component of this project. Visible dust was mitigated using a water dust suppression method including misting and spraying water from a water truck. Water was applied to the dirt access road from Park Moabi Rd to the work site to minimize fugitive dust. Water used for dust suppression was sourced from the TCS.

Site Restoration

Once work was completed, water was used to create a surface crust of the remaining soil that was not removed from the excavation area. Rocks removed from the gabion to provide access were returned and placed in new metal gabion baskets to restore the gabion dam. Felt fabric was installed on the upstream side of the gabion to prevent fine grained sediment from migrating into the BCW during surface water flow events, see photos in Appendix A.

Tire ruts or tracks were raked and removed. All equipment and BMPs were removed once work site restoration was complete.

References

CH2M HILL, "Implementation Report for the Time Critical Removal Action at AOC 4", 2011

Enclosures:

Figures

Figure 1: AOC 4 Gabion Soil Removal Location

Appendices

Appendix A	AOC 4 Gabion Soil Removal Activities Photos: November 15, 2024
Appendix B	AOC 4 Gabion Soil Eurofins Analytical Data, October 15, 2024
Appendix C	Off-Site Soil Transportation and Disposal Manifests

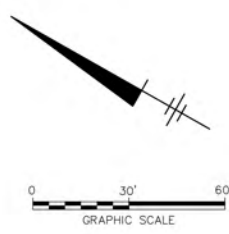
Figures



LEGEND

- Area of Soil Removal
- AOC4 Gabion

NOTE:
1. FIGURE GENERATED FROM THE AREA OF CONCERN NUMBER 4 GABION SOIL REMOVAL PACIFIC GAS AND ELECTRIC TOPOCK COMPRESSOR STATION MEMORANDUM DATED NOVEMBER 16, 2021.



PG&E TOPOCK COMPRESSOR STATION NEEDLES, CALIFORNIA	
AOC 4 GABION SOIL REMOVAL LOCATION	
	FIGURE 1

Appendix A

AOC 4 Gabion Soil Removal Activities Photos: November 15, 2024



AOC 4 Gabion: Removal Area, November 15, 2024



AOC 4 Gabion: Removal Area, November 15, 2024



AOC 4 Gabion: Gabion Protected with Geotextile, November 15, 2024



AOC 4 Gabion: Gabion Protected with Geotextile, November 15, 2024



AOC 4 Gabion: Gabion Protected with Geotextile, November 15, 2024



AOC 4 Gabion: Removal Area, November 15, 2024



AOC 4 Gabion: Removal Area, November 15, 2024

Appendix B

AOC 4 Gabion Soil Eurofins Analytical Data, October 15, 2024

For additional help with the information provided in the laboratory reports, please contact Daniel Talbot, Arcadis Report Lead, at 315-671-9483.



ANALYTICAL REPORT

PREPARED FOR

Attn: Christina Hong
Jacobs Engineering Group, Inc.
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Generated 10/24/2024 10:39:25 AM

JOB DESCRIPTION

PG&E Topock Compressor Station

JOB NUMBER

570-203350-1

Eurofins Calscience

Job Notes

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Definitions/Glossary

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL) but above MDL.
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.
T5	Laboratory not licensed for this parameter

GC/MS Semi VOA

Qualifier	Qualifier Description
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL) but above MDL.
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
T5	Laboratory not licensed for this parameter

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Jacobs Engineering Group, Inc.
Project: PG&E Topock Compressor Station

Job ID: 570-203350-1

Job ID: 570-203350-1

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Job Narrative 570-203350-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/17/2024 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

GC/MS VOA

Method 8260C: The following samples were diluted due to the nature of the sample matrix: AOC4-IDW-1 (570-203350-1), AOC4-IDW-2 (570-203350-2) and MW-20-IDW (570-203350-3). Elevated reporting limits (RLs) are provided.

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-494329 and analytical batch 570-494377. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260C: The minimum response factor (RF) criteria for the initial calibration (ICAL) analyzed in batch 570-494377 was outside criteria for the following analyte(s): 4-Methyl-2-pentanone. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-494601 and analytical batch 570-494528. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) for preparation batch 570-492890 and analytical batch 570-494267 exceeded control limits for the following analyte(s): Benzidine, Note that this analyte is a known poor performer when analyzed using this method.

Method 8270D: The following sample was diluted due to the nature of the sample matrix: MW-20-IDW (570-203350-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Detection Summary

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Client Sample ID: AOC4-IDW-1 Lab Sample ID: 570-203350-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p-Isopropyltoluene	230		100	28	ug/Kg	50		8260C	Total/NA
Toluene	96	E4	100	27	ug/Kg	50		8260C	Total/NA
Fluoranthene	0.14	E4	0.50	0.095	mg/Kg	1		8270D	Total/NA
Pyrene	0.13	E4	0.50	0.10	mg/Kg	1		8270D	Total/NA

Client Sample ID: AOC4-IDW-2 Lab Sample ID: 570-203350-2

No Detections.

Client Sample ID: MW-20-IDW Lab Sample ID: 570-203350-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	2.6		2.5	1.1	mg/Kg	5		8270D	Total/NA
Di-n-octyl phthalate	1.5	E4	2.5	1.2	mg/Kg	5		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Client Sample ID: AOC4-IDW-1
Date Collected: 10/15/24 12:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	100	29	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,1,1-Trichloroethane	ND	E8	100	23	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,1,2,2-Tetrachloroethane	ND	E8	200	54	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	E8 T5	1000	46	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,1,2-Trichloroethane	ND	E8	100	46	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,1-Dichloroethane	ND	E8	100	28	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,1-Dichloroethene	ND	E8	100	26	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,1-Dichloropropene	ND	E8	200	39	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,2,3-Trichlorobenzene	ND	E8	200	37	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,2,3-Trichloropropane	ND	E8	200	42	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,2,4-Trichlorobenzene	ND	E8	200	41	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,2,4-Trimethylbenzene	ND	E8	200	28	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,2-Dibromo-3-Chloropropane	ND	E8	1000	330	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,2-Dibromoethane	ND	E8	100	21	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,2-Dichlorobenzene	ND	E8	100	25	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,2-Dichloroethane	ND	E8	100	27	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,2-Dichloropropane	ND	E8	100	27	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,3,5-Trimethylbenzene	ND	E8	200	27	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,3-Dichlorobenzene	ND	E8	100	25	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,3-Dichloropropane	ND	E8	100	29	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
1,4-Dichlorobenzene	ND	E8	100	31	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
2,2-Dichloropropane	ND	E8	500	27	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
2-Butanone	ND	E8	2000	450	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
2-Chlorotoluene	ND	E8	100	25	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
2-Hexanone	ND	E8	2000	310	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
4-Chlorotoluene	ND	E8	100	24	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
4-Methyl-2-pentanone	ND	E8	2000	290	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Benzene	ND	E8	100	26	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Bromobenzene	ND	E8	100	21	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Bromochloromethane	ND	E8	200	44	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Bromodichloromethane	ND	E8	100	32	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Bromoform	ND	E8	500	130	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Bromomethane	ND	E8	2000	650	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
cis-1,2-Dichloroethene	ND	E8	100	34	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
cis-1,3-Dichloropropene	ND	E8	100	35	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Carbon disulfide	ND	E8	1000	40	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Carbon tetrachloride	ND	E8	100	30	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Chlorobenzene	ND	E8	100	27	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Chloroethane	ND	E8	200	74	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Chloroform	ND	E8	100	59	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Chloromethane	ND	E8	2000	150	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Dibromochloromethane	ND	E8	200	27	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Dibromomethane	ND	E8	100	30	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Dichlorodifluoromethane	ND	E8	200	45	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Di-isopropyl ether (DIPE)	ND	E8	100	50	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Ethanol	ND	E8	25000	9200	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Ethylbenzene	ND	E8	100	21	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Ethyl-t-butyl ether (ETBE)	ND	E8	100	24	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Isopropylbenzene	ND	E8	100	27	ug/Kg		10/22/24 14:37	10/22/24 23:05	50

Eurofins Calscience

Client Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: AOC4-IDW-1
Date Collected: 10/15/24 12:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	E8	1000	310	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Methyl-t-Butyl Ether (MTBE)	ND	E8	200	19	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Naphthalene	ND	E8	1000	390	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
n-Butylbenzene	ND	E8	100	21	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
N-Propylbenzene	ND	E8	200	26	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
o-Xylene	ND	E8	100	25	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
m,p-Xylene	ND	E8	200	47	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
p-Isopropyltoluene	230		100	28	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
sec-Butylbenzene	ND	E8	100	27	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Styrene	ND	E8	100	32	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
trans-1,2-Dichloroethene	ND	E8	100	30	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
trans-1,3-Dichloropropene	ND	E8	200	28	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Tert-amyl-methyl ether (TAME)	ND	E8	100	19	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
tert-Butyl alcohol (TBA)	ND	E8	2000	700	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
tert-Butylbenzene	ND	E8	100	25	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Tetrachloroethene	ND	E8	100	22	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Toluene	96	E4	100	27	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Trichloroethene	ND	E8	200	38	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Trichlorofluoromethane	ND	E8	1000	27	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Vinyl acetate	ND	E8	1000	390	ug/Kg		10/22/24 14:37	10/22/24 23:05	50
Vinyl chloride	ND	E8	100	38	ug/Kg		10/22/24 14:37	10/22/24 23:05	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		32 - 179	10/22/24 14:37	10/22/24 23:05	50
4-Bromofluorobenzene (Surr)	99		80 - 120	10/22/24 14:37	10/22/24 23:05	50
Dibromofluoromethane (Surr)	104		58 - 147	10/22/24 14:37	10/22/24 23:05	50
Toluene-d8 (Surr)	105		80 - 120	10/22/24 14:37	10/22/24 23:05	50

Client Sample ID: AOC4-IDW-2
Date Collected: 10/15/24 12:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	99	29	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,1,1-Trichloroethane	ND	E8	99	23	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,1,2,2-Tetrachloroethane	ND	E8	200	54	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	E8 T5	990	46	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,1,2-Trichloroethane	ND	E8	99	46	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,1-Dichloroethane	ND	E8	99	28	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,1-Dichloroethene	ND	E8	99	26	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,1-Dichloropropene	ND	E8	200	38	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,2,3-Trichlorobenzene	ND	E8	200	37	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,2,3-Trichloropropane	ND	E8	200	41	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,2,4-Trichlorobenzene	ND	E8	200	41	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,2,4-Trimethylbenzene	ND	E8	200	27	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,2-Dibromo-3-Chloropropane	ND	E8	990	330	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,2-Dibromoethane	ND	E8	99	20	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,2-Dichlorobenzene	ND	E8	99	25	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,2-Dichloroethane	ND	E8	99	27	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,2-Dichloropropane	ND	E8	99	27	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,3,5-Trimethylbenzene	ND	E8	200	26	ug/Kg		10/22/24 14:37	10/22/24 23:26	50

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Client Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: AOC4-IDW-2
Date Collected: 10/15/24 12:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND	E8	99	25	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,3-Dichloropropane	ND	E8	99	29	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
1,4-Dichlorobenzene	ND	E8	99	30	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
2,2-Dichloropropane	ND	E8	490	27	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
2-Butanone	ND	E8	2000	450	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
2-Chlorotoluene	ND	E8	99	25	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
2-Hexanone	ND	E8	2000	300	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
4-Chlorotoluene	ND	E8	99	24	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
4-Methyl-2-pentanone	ND	E8	2000	290	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Benzene	ND	E8	99	25	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Bromobenzene	ND	E8	99	21	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Bromochloromethane	ND	E8	200	44	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Bromodichloromethane	ND	E8	99	32	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Bromoform	ND	E8	490	130	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Bromomethane	ND	E8	2000	650	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
cis-1,2-Dichloroethene	ND	E8	99	33	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
cis-1,3-Dichloropropene	ND	E8	99	34	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Carbon disulfide	ND	E8	990	40	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Carbon tetrachloride	ND	E8	99	30	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Chlorobenzene	ND	E8	99	26	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Chloroethane	ND	E8	200	73	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Chloroform	ND	E8	99	58	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Chloromethane	ND	E8	2000	150	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Dibromochloromethane	ND	E8	200	27	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Dibromomethane	ND	E8	99	30	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Dichlorodifluoromethane	ND	E8	200	45	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Di-isopropyl ether (DIPE)	ND	E8	99	49	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Ethanol	ND	E8	25000	9100	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Ethylbenzene	ND	E8	99	20	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Ethyl-t-butyl ether (ETBE)	ND	E8	99	23	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Isopropylbenzene	ND	E8	99	27	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Methylene Chloride	ND	E8	990	310	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Methyl-t-Butyl Ether (MTBE)	ND	E8	200	19	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Naphthalene	ND	E8	990	390	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
n-Butylbenzene	ND	E8	99	21	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
N-Propylbenzene	ND	E8	200	26	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
o-Xylene	ND	E8	99	25	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
m,p-Xylene	ND	E8	200	47	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
p-Isopropyltoluene	ND	E8	99	28	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
sec-Butylbenzene	ND	E8	99	27	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Styrene	ND	E8	99	31	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
trans-1,2-Dichloroethene	ND	E8	99	30	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
trans-1,3-Dichloropropene	ND	E8	200	28	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Tert-amyl-methyl ether (TAME)	ND	E8	99	19	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
tert-Butyl alcohol (TBA)	ND	E8	2000	690	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
tert-Butylbenzene	ND	E8	99	25	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Tetrachloroethene	ND	E8	99	22	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Toluene	ND	E8	99	27	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Trichloroethene	ND	E8	200	38	ug/Kg		10/22/24 14:37	10/22/24 23:26	50

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Client Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: AOC4-IDW-2
Date Collected: 10/15/24 12:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND	E8	990	27	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Vinyl acetate	ND	E8	990	390	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Vinyl chloride	ND	E8	99	37	ug/Kg		10/22/24 14:37	10/22/24 23:26	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		32 - 179				10/22/24 14:37	10/22/24 23:26	50
4-Bromofluorobenzene (Surr)	98		80 - 120				10/22/24 14:37	10/22/24 23:26	50
Dibromofluoromethane (Surr)	102		58 - 147				10/22/24 14:37	10/22/24 23:26	50
Toluene-d8 (Surr)	103		80 - 120				10/22/24 14:37	10/22/24 23:26	50

Client Sample ID: MW-20-IDW
Date Collected: 10/15/24 13:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	98	29	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,1,1-Trichloroethane	ND	E8	98	23	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,1,2,2-Tetrachloroethane	ND	E8	200	54	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	E8 T5	980	46	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,1,2-Trichloroethane	ND	E8	98	46	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,1-Dichloroethane	ND	E8	98	28	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,1-Dichloroethene	ND	E8	98	26	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,1-Dichloropropene	ND	E8	200	38	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,2,3-Trichlorobenzene	ND	E8	200	37	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,2,3-Trichloropropane	ND	E8	200	41	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,2,4-Trichlorobenzene	ND	E8	200	40	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,2,4-Trimethylbenzene	ND	E8	200	27	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,2-Dibromo-3-Chloropropane	ND	E8	980	330	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,2-Dibromoethane	ND	E8	98	20	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,2-Dichlorobenzene	ND	E8	98	25	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,2-Dichloroethane	ND	E8	98	27	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,2-Dichloropropane	ND	E8	98	27	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,3,5-Trimethylbenzene	ND	E8	200	26	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,3-Dichlorobenzene	ND	E8	98	25	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,3-Dichloropropane	ND	E8	98	29	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
1,4-Dichlorobenzene	ND	E8	98	30	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
2,2-Dichloropropane	ND	E8	490	27	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
2-Butanone	ND	E8	2000	440	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
2-Chlorotoluene	ND	E8	98	25	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
2-Hexanone	ND	E8	2000	300	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
4-Chlorotoluene	ND	E8	98	24	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
4-Methyl-2-pentanone	ND	E8	2000	290	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Benzene	ND	E8	98	25	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Bromobenzene	ND	E8	98	21	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Bromochloromethane	ND	E8	200	44	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Bromodichloromethane	ND	E8	98	32	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Bromoform	ND	E8	490	130	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Bromomethane	ND	E8	2000	650	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
cis-1,2-Dichloroethene	ND	E8	98	33	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
cis-1,3-Dichloropropene	ND	E8	98	34	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Carbon disulfide	ND	E8	980	39	ug/Kg		10/22/24 14:37	10/22/24 23:47	50

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Client Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: MW-20-IDW
Date Collected: 10/15/24 13:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND	E8	98	29	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Chlorobenzene	ND	E8	98	26	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Chloroethane	ND	E8	200	73	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Chloroform	ND	E8	98	58	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Chloromethane	ND	E8	2000	150	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Dibromochloromethane	ND	E8	200	27	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Dibromomethane	ND	E8	98	30	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Dichlorodifluoromethane	ND	E8	200	45	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Di-isopropyl ether (DIPE)	ND	E8	98	49	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Ethanol	ND	E8	25000	9100	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Ethylbenzene	ND	E8	98	20	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Ethyl-t-butyl ether (ETBE)	ND	E8	98	23	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Isopropylbenzene	ND	E8	98	27	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Methylene Chloride	ND	E8	980	310	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Methyl-t-Butyl Ether (MTBE)	ND	E8	200	18	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Naphthalene	ND	E8	980	390	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
n-Butylbenzene	ND	E8	98	21	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
N-Propylbenzene	ND	E8	200	26	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
o-Xylene	ND	E8	98	25	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
m,p-Xylene	ND	E8	200	47	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
p-Isopropyltoluene	ND	E8	98	28	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
sec-Butylbenzene	ND	E8	98	27	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Styrene	ND	E8	98	31	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
trans-1,2-Dichloroethene	ND	E8	98	30	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
trans-1,3-Dichloropropene	ND	E8	200	28	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Tert-amyl-methyl ether (TAME)	ND	E8	98	19	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
tert-Butyl alcohol (TBA)	ND	E8	2000	690	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
tert-Butylbenzene	ND	E8	98	25	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Tetrachloroethene	ND	E8	98	22	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Toluene	ND	E8	98	26	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Trichloroethene	ND	E8	200	38	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Trichlorofluoromethane	ND	E8	980	27	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Vinyl acetate	ND	E8	980	390	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Vinyl chloride	ND	E8	98	37	ug/Kg		10/22/24 14:37	10/22/24 23:47	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		32 - 179				10/22/24 14:37	10/22/24 23:47	50
4-Bromofluorobenzene (Surr)	100		80 - 120				10/22/24 14:37	10/22/24 23:47	50
Dibromofluoromethane (Surr)	103		58 - 147				10/22/24 14:37	10/22/24 23:47	50
Toluene-d8 (Surr)	103		80 - 120				10/22/24 14:37	10/22/24 23:47	50

Client Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - RA

Client Sample ID: AOC4-IDW-1
Date Collected: 10/15/24 12:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	E8	2000	980	ug/Kg		10/22/24 14:37	10/23/24 12:35	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		32 - 179				10/22/24 14:37	10/23/24 12:35	50
4-Bromofluorobenzene (Surr)	92		80 - 120				10/22/24 14:37	10/23/24 12:35	50
Dibromofluoromethane (Surr)	96		58 - 147				10/22/24 14:37	10/23/24 12:35	50
Toluene-d8 (Surr)	98		80 - 120				10/22/24 14:37	10/23/24 12:35	50

Client Sample ID: AOC4-IDW-2
Date Collected: 10/15/24 12:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	E8	2000	970	ug/Kg		10/22/24 14:37	10/23/24 12:57	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		32 - 179				10/22/24 14:37	10/23/24 12:57	50
4-Bromofluorobenzene (Surr)	88		80 - 120				10/22/24 14:37	10/23/24 12:57	50
Dibromofluoromethane (Surr)	99		58 - 147				10/22/24 14:37	10/23/24 12:57	50
Toluene-d8 (Surr)	97		80 - 120				10/22/24 14:37	10/23/24 12:57	50

Client Sample ID: MW-20-IDW
Date Collected: 10/15/24 13:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	E8	2000	970	ug/Kg		10/22/24 14:37	10/23/24 13:19	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		32 - 179				10/22/24 14:37	10/23/24 13:19	50
4-Bromofluorobenzene (Surr)	89		80 - 120				10/22/24 14:37	10/23/24 13:19	50
Dibromofluoromethane (Surr)	99		58 - 147				10/22/24 14:37	10/23/24 13:19	50
Toluene-d8 (Surr)	97		80 - 120				10/22/24 14:37	10/23/24 13:19	50

Client Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: AOC4-IDW-1
Date Collected: 10/15/24 12:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
1,2-Dichlorobenzene	ND	E8	0.50	0.084	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
1,3-Dichlorobenzene	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
1,4-Dichlorobenzene	ND	E8	0.50	0.096	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
1-Methylnaphthalene	ND	E8 T5	0.50	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2,4,5-Trichlorophenol	ND	E8	0.50	0.20	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2,4,6-Trichlorophenol	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2,4-Dichlorophenol	ND	E8	0.50	0.13	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2,4-Dimethylphenol	ND	E8	0.50	0.13	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2,4-Dinitrophenol	ND	E8	2.0	0.91	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2,4-Dinitrotoluene	ND	E8	0.50	0.081	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2,6-Dichlorophenol	ND	E8	0.50	0.11	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2,6-Dinitrotoluene	ND	E8	0.50	0.086	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2-Chloronaphthalene	ND	E8	0.50	0.086	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2-Chlorophenol	ND	E8	0.50	0.13	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2-Methylnaphthalene	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2-Methylphenol	ND	E8	0.50	0.096	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2-Nitroaniline	ND	E8	0.50	0.091	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
2-Nitrophenol	ND	E8	0.50	0.14	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
3 & 4 Methylphenol	ND	E8	1.0	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
3,3'-Dichlorobenzidine	ND	E8	2.5	0.54	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
3-Nitroaniline	ND	E8	0.50	0.083	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
4,6-Dinitro-2-methylphenol	ND	E8	2.5	0.94	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
4-Bromophenyl phenyl ether	ND	E8	0.50	0.073	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
4-Chloro-3-methylphenol	ND	E8	0.50	0.092	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
4-Chloroaniline	ND	E8	0.50	0.082	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
4-Chlorophenyl phenyl ether	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
4-Nitroaniline	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
4-Nitrophenol	ND	E8	0.50	0.31	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Acenaphthene	ND	E8	0.50	0.079	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Acenaphthylene	ND	E8	0.50	0.096	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Aniline	ND	E8	0.50	0.095	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Anthracene	ND	E8	0.50	0.077	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Azobenzene	ND	E8 T5	0.50	0.078	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Benzidine	ND	E8 M2	5.0	0.57	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Benzo[a]anthracene	ND	E8	0.50	0.083	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Benzo[a]pyrene	ND	E8	0.50	0.099	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Benzo[b]fluoranthene	ND	E8	0.50	0.084	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Benzo[g,h,i]perylene	ND	E8	0.50	0.089	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Benzo[k]fluoranthene	ND	E8	0.50	0.094	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Benzoic acid	ND	E8	2.5	0.67	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Benzyl alcohol	ND	E8	0.50	0.17	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
bis (2-Chloroisopropyl) ether	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Bis(2-chloroethoxy)methane	ND	E8	0.50	0.11	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Bis(2-chloroethyl)ether	ND	E8	2.5	0.11	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Bis(2-ethylhexyl) phthalate	ND	E8	0.50	0.22	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Butyl benzyl phthalate	ND	E8	0.50	0.23	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Chrysene	ND	E8	0.50	0.083	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Dibenz(a,h)anthracene	ND	E8	0.50	0.080	mg/Kg		10/18/24 04:44	10/22/24 22:20	1

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Client Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: AOC4-IDW-1
Date Collected: 10/15/24 12:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND	E8	0.50	0.094	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Diethyl phthalate	ND	E8	0.50	0.11	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Dimethyl phthalate	ND	E8	0.50	0.098	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Di-n-butyl phthalate	ND	E8	0.50	0.11	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Di-n-octyl phthalate	ND	E8	0.50	0.23	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Fluoranthene	0.14	E4	0.50	0.095	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Fluorene	ND	E8	0.50	0.094	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Hexachloro-1,3-butadiene	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Hexachlorobenzene	ND	E8	0.50	0.080	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Hexachlorocyclopentadiene	ND	E8	1.5	0.086	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Hexachloroethane	ND	E8	0.50	0.092	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Indeno[1,2,3-cd]pyrene	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Isophorone	ND	E8	0.50	0.079	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Naphthalene	ND	E8	0.50	0.14	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Nitrobenzene	ND	E8	2.0	0.14	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
N-Nitrosodimethylamine	ND	E8	0.50	0.089	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
N-Nitrosodi-n-propylamine	ND	E8	0.50	0.085	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
N-Nitrosodiphenylamine	ND	E8	0.50	0.085	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Pentachlorophenol	ND	E8	2.5	1.8	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Phenanthrene	ND	E8	0.50	0.072	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Phenol	ND	E8	0.50	0.097	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Pyrene	0.13	E4	0.50	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:20	1
Pyridine	ND	E8 T5	0.50	0.24	mg/Kg		10/18/24 04:44	10/22/24 22:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	99		10 - 134	10/18/24 04:44	10/22/24 22:20	1
2-Fluorobiphenyl (Surr)	93		14 - 142	10/18/24 04:44	10/22/24 22:20	1
2-Fluorophenol (Surr)	101		10 - 123	10/18/24 04:44	10/22/24 22:20	1
Nitrobenzene-d5 (Surr)	103		10 - 129	10/18/24 04:44	10/22/24 22:20	1
Phenol-d6 (Surr)	104		10 - 120	10/18/24 04:44	10/22/24 22:20	1
p-Terphenyl-d14 (Surr)	93		31 - 139	10/18/24 04:44	10/22/24 22:20	1

Client Sample ID: AOC4-IDW-2
Date Collected: 10/15/24 12:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
1,2-Dichlorobenzene	ND	E8	0.50	0.084	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
1,3-Dichlorobenzene	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
1,4-Dichlorobenzene	ND	E8	0.50	0.096	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
1-Methylnaphthalene	ND	E8 T5	0.50	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
2,4,5-Trichlorophenol	ND	E8	0.50	0.20	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
2,4,6-Trichlorophenol	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
2,4-Dichlorophenol	ND	E8	0.50	0.13	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
2,4-Dimethylphenol	ND	E8	0.50	0.13	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
2,4-Dinitrophenol	ND	E8	2.0	0.91	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
2,4-Dinitrotoluene	ND	E8	0.50	0.081	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
2,6-Dichlorophenol	ND	E8	0.50	0.11	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
2,6-Dinitrotoluene	ND	E8	0.50	0.086	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
2-Chloronaphthalene	ND	E8	0.50	0.086	mg/Kg		10/18/24 04:44	10/22/24 22:44	1

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Client Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: AOC4-IDW-2
Date Collected: 10/15/24 12:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND	E8	0.50	0.13	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
2-Methylnaphthalene	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
2-Methylphenol	ND	E8	0.50	0.096	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
2-Nitroaniline	ND	E8	0.50	0.091	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
2-Nitrophenol	ND	E8	0.50	0.14	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
3 & 4 Methylphenol	ND	E8	1.0	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
3,3'-Dichlorobenzidine	ND	E8	2.5	0.54	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
3-Nitroaniline	ND	E8	0.50	0.083	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
4,6-Dinitro-2-methylphenol	ND	E8	2.5	0.94	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
4-Bromophenyl phenyl ether	ND	E8	0.50	0.073	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
4-Chloro-3-methylphenol	ND	E8	0.50	0.092	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
4-Chloroaniline	ND	E8	0.50	0.082	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
4-Chlorophenyl phenyl ether	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
4-Nitroaniline	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
4-Nitrophenol	ND	E8	0.50	0.31	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Acenaphthene	ND	E8	0.50	0.079	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Acenaphthylene	ND	E8	0.50	0.096	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Aniline	ND	E8	0.50	0.095	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Anthracene	ND	E8	0.50	0.077	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Azobenzene	ND	E8 T5	0.50	0.078	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Benzidine	ND	E8	5.0	0.57	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Benzo[a]anthracene	ND	E8	0.50	0.083	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Benzo[a]pyrene	ND	E8	0.50	0.099	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Benzo[b]fluoranthene	ND	E8	0.50	0.084	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Benzo[g,h,i]perylene	ND	E8	0.50	0.089	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Benzo[k]fluoranthene	ND	E8	0.50	0.094	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Benzoic acid	ND	E8	2.5	0.67	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Benzyl alcohol	ND	E8	0.50	0.17	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
bis (2-Chloroisopropyl) ether	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Bis(2-chloroethoxy)methane	ND	E8	0.50	0.11	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Bis(2-chloroethyl)ether	ND	E8	2.5	0.11	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Bis(2-ethylhexyl) phthalate	ND	E8	0.50	0.22	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Butyl benzyl phthalate	ND	E8	0.50	0.23	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Chrysene	ND	E8	0.50	0.083	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Dibenz(a,h)anthracene	ND	E8	0.50	0.080	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Dibenzofuran	ND	E8	0.50	0.094	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Diethyl phthalate	ND	E8	0.50	0.11	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Dimethyl phthalate	ND	E8	0.50	0.098	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Di-n-butyl phthalate	ND	E8	0.50	0.11	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Di-n-octyl phthalate	ND	E8	0.50	0.23	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Fluoranthene	ND	E8	0.50	0.095	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Fluorene	ND	E8	0.50	0.094	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Hexachloro-1,3-butadiene	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Hexachlorobenzene	ND	E8	0.50	0.080	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Hexachlorocyclopentadiene	ND	E8	1.5	0.086	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Hexachloroethane	ND	E8	0.50	0.092	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Indeno[1,2,3-cd]pyrene	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Isophorone	ND	E8	0.50	0.079	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Naphthalene	ND	E8	0.50	0.14	mg/Kg		10/18/24 04:44	10/22/24 22:44	1

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Client Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: AOC4-IDW-2
Date Collected: 10/15/24 12:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND	E8	2.0	0.14	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
N-Nitrosodimethylamine	ND	E8	0.50	0.089	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
N-Nitrosodi-n-propylamine	ND	E8	0.50	0.085	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
N-Nitrosodiphenylamine	ND	E8	0.50	0.085	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Pentachlorophenol	ND	E8	2.5	1.8	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Phenanthrene	ND	E8	0.50	0.072	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Phenol	ND	E8	0.50	0.097	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Pyrene	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:44	10/22/24 22:44	1
Pyridine	ND	E8 T5	0.50	0.24	mg/Kg		10/18/24 04:44	10/22/24 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	105		10 - 134	10/18/24 04:44	10/22/24 22:44	1
2-Fluorobiphenyl (Surr)	105		14 - 142	10/18/24 04:44	10/22/24 22:44	1
2-Fluorophenol (Surr)	113		10 - 123	10/18/24 04:44	10/22/24 22:44	1
Nitrobenzene-d5 (Surr)	116		10 - 129	10/18/24 04:44	10/22/24 22:44	1
Phenol-d6 (Surr)	116		10 - 120	10/18/24 04:44	10/22/24 22:44	1
p-Terphenyl-d14 (Surr)	106		31 - 139	10/18/24 04:44	10/22/24 22:44	1

Client Sample ID: MW-20-IDW
Date Collected: 10/15/24 13:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	E8	2.5	0.60	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
1,2-Dichlorobenzene	ND	E8	2.5	0.42	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
1,3-Dichlorobenzene	ND	E8	2.5	0.52	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
1,4-Dichlorobenzene	ND	E8	2.5	0.48	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
1-Methylnaphthalene	ND	E8 T5	2.5	0.51	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2,4,5-Trichlorophenol	ND	E8	2.5	0.98	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2,4,6-Trichlorophenol	ND	E8	2.5	0.59	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2,4-Dichlorophenol	ND	E8	2.5	0.66	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2,4-Dimethylphenol	ND	E8	2.5	0.64	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2,4-Dinitrophenol	ND	E8	10	4.6	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2,4-Dinitrotoluene	ND	E8	2.5	0.41	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2,6-Dichlorophenol	ND	E8	2.5	0.56	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2,6-Dinitrotoluene	ND	E8	2.5	0.43	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2-Chloronaphthalene	ND	E8	2.5	0.43	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2-Chlorophenol	ND	E8	2.5	0.66	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2-Methylnaphthalene	ND	E8	2.5	0.50	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2-Methylphenol	ND	E8	2.5	0.48	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2-Nitroaniline	ND	E8	2.5	0.46	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
2-Nitrophenol	ND	E8	2.5	0.69	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
3 & 4 Methylphenol	ND	E8	5.0	0.52	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
3,3'-Dichlorobenzidine	ND	E8	12	2.7	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
3-Nitroaniline	ND	E8	2.5	0.42	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
4,6-Dinitro-2-methylphenol	ND	E8	12	4.7	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
4-Bromophenyl phenyl ether	ND	E8	2.5	0.37	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
4-Chloro-3-methylphenol	ND	E8	2.5	0.46	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
4-Chloroaniline	ND	E8	2.5	0.41	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
4-Chlorophenyl phenyl ether	ND	E8	2.5	0.50	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
4-Nitroaniline	ND	E8	2.5	0.51	mg/Kg		10/18/24 04:44	10/22/24 23:08	5

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Client Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-20-IDW
Date Collected: 10/15/24 13:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND	E8	2.5	1.6	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Acenaphthene	ND	E8	2.5	0.40	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Acenaphthylene	ND	E8	2.5	0.48	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Aniline	ND	E8	2.5	0.48	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Anthracene	ND	E8	2.5	0.39	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Azobenzene	ND	E8 T5	2.5	0.39	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Benzidine	ND	E8	25	2.9	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Benzo[a]anthracene	ND	E8	2.5	0.42	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Benzo[a]pyrene	ND	E8	2.5	0.50	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Benzo[b]fluoranthene	ND	E8	2.5	0.42	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Benzo[g,h,i]perylene	ND	E8	2.5	0.45	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Benzo[k]fluoranthene	ND	E8	2.5	0.47	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Benzoic acid	ND	E8	12	3.4	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Benzyl alcohol	ND	E8	2.5	0.83	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
bis (2-Chloroisopropyl) ether	ND	E8	2.5	0.59	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Bis(2-chloroethoxy)methane	ND	E8	2.5	0.55	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Bis(2-chloroethyl)ether	ND	E8	12	0.53	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Bis(2-ethylhexyl) phthalate	2.6		2.5	1.1	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Butyl benzyl phthalate	ND	E8	2.5	1.2	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Chrysene	ND	E8	2.5	0.42	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Dibenz(a,h)anthracene	ND	E8	2.5	0.40	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Dibenzofuran	ND	E8	2.5	0.47	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Diethyl phthalate	ND	E8	2.5	0.57	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Dimethyl phthalate	ND	E8	2.5	0.49	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Di-n-butyl phthalate	ND	E8	2.5	0.55	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Di-n-octyl phthalate	1.5	E4	2.5	1.2	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Fluoranthene	ND	E8	2.5	0.47	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Fluorene	ND	E8	2.5	0.47	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Hexachloro-1,3-butadiene	ND	E8	2.5	0.62	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Hexachlorobenzene	ND	E8	2.5	0.40	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Hexachlorocyclopentadiene	ND	E8	7.5	0.43	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Hexachloroethane	ND	E8	2.5	0.46	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Indeno[1,2,3-cd]pyrene	ND	E8	2.5	0.62	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Isophorone	ND	E8	2.5	0.40	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Naphthalene	ND	E8	2.5	0.69	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Nitrobenzene	ND	E8	10	0.68	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
N-Nitrosodimethylamine	ND	E8	2.5	0.44	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
N-Nitrosodi-n-propylamine	ND	E8	2.5	0.43	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
N-Nitrosodiphenylamine	ND	E8	2.5	0.43	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Pentachlorophenol	ND	E8	12	9.2	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Phenanthrene	ND	E8	2.5	0.36	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Phenol	ND	E8	2.5	0.49	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Pyrene	ND	E8	2.5	0.51	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Pyridine	ND	E8 T5	2.5	1.2	mg/Kg		10/18/24 04:44	10/22/24 23:08	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	72		10 - 134				10/18/24 04:44	10/22/24 23:08	5
2-Fluorobiphenyl (Surr)	69		14 - 142				10/18/24 04:44	10/22/24 23:08	5
2-Fluorophenol (Surr)	69		10 - 123				10/18/24 04:44	10/22/24 23:08	5
Nitrobenzene-d5 (Surr)	21		10 - 129				10/18/24 04:44	10/22/24 23:08	5

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Client Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-20-IDW
Date Collected: 10/15/24 13:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203350-3
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d6 (Surr)	71		10 - 120	10/18/24 04:44	10/22/24 23:08	5
p-Terphenyl-d14 (Surr)	78		31 - 139	10/18/24 04:44	10/22/24 23:08	5

Surrogate Summary

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (32-179)	BFB (80-120)	DBFM (58-147)	TOL (80-120)
570-203350-1	AOC4-IDW-1	108	99	104	105
570-203350-1 - RA	AOC4-IDW-1	98	92	96	98
570-203350-2	AOC4-IDW-2	104	98	102	103
570-203350-2 - RA	AOC4-IDW-2	100	88	99	97
570-203350-3	MW-20-IDW	104	100	103	103
570-203350-3 - RA	MW-20-IDW	102	89	99	97
LCS 570-494329/1-A	Lab Control Sample	103	100	105	100
LCS 570-494601/1-A	Lab Control Sample	96	100	100	100
LCSD 570-494329/2-A	Lab Control Sample Dup	100	97	103	99
LCSD 570-494601/2-A	Lab Control Sample Dup	96	99	98	101
MB 570-494329/6-A	Method Blank	104	97	103	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (10-134)	FBP (14-142)	2FP (10-123)	NBZ (10-129)	PHL6 (10-120)	TPHd14 (31-139)
570-203350-1	AOC4-IDW-1	99	93	101	103	104	93
570-203350-1 MS	AOC4-IDW-1	101	94	101	93	100	98
570-203350-1 MSD	AOC4-IDW-1	100	95	105	95	106	97
570-203350-2	AOC4-IDW-2	105	105	113	116	116	106
570-203350-3	MW-20-IDW	72	69	69	21	71	78
LCS 570-492890/2-A	Lab Control Sample	99	96	107	95	109	98
LCSD 570-492890/3-A	Lab Control Sample Dup	104	98	111	99	112	102
MB 570-492890/1-A	Method Blank	97	112	115	122	117	112

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 570-494329/6-A

Matrix: Solid

Analysis Batch: 494377

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 494329

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND	E8	100	29	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,1,1-Trichloroethane	ND	E8	100	23	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,1,2,2-Tetrachloroethane	ND	E8	200	54	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	E8	1000	46	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,1,2-Trichloroethane	ND	E8	100	46	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,1-Dichloroethane	ND	E8	100	28	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,1-Dichloroethene	ND	E8	100	27	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,1-Dichloropropene	ND	E8	200	39	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,2,3-Trichlorobenzene	ND	E8	200	38	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,2,3-Trichloropropane	ND	E8	200	42	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,2,4-Trichlorobenzene	ND	E8	200	41	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,2,4-Trimethylbenzene	ND	E8	200	28	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,2-Dibromo-3-Chloropropane	ND	E8	1000	330	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,2-Dibromoethane	ND	E8	100	21	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,2-Dichlorobenzene	ND	E8	100	25	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,2-Dichloroethane	ND	E8	100	28	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,2-Dichloropropane	ND	E8	100	28	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,3,5-Trimethylbenzene	ND	E8	200	27	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,3-Dichlorobenzene	ND	E8	100	25	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,3-Dichloropropane	ND	E8	100	30	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
1,4-Dichlorobenzene	ND	E8	100	31	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
2,2-Dichloropropane	ND	E8	500	27	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
2-Butanone	ND	E8	2000	450	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
2-Chlorotoluene	ND	E8	100	25	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
2-Hexanone	ND	E8	2000	310	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
4-Chlorotoluene	ND	E8	100	24	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
4-Methyl-2-pentanone	ND	E8	2000	290	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Benzene	ND	E8	100	26	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Bromobenzene	ND	E8	100	21	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Bromochloromethane	ND	E8	200	44	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Bromodichloromethane	ND	E8	100	33	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Bromoform	ND	E8	500	130	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Bromomethane	ND	E8	2000	660	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
cis-1,2-Dichloroethene	ND	E8	100	34	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
cis-1,3-Dichloropropene	ND	E8	100	35	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Carbon disulfide	ND	E8	1000	40	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Carbon tetrachloride	ND	E8	100	30	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Chlorobenzene	ND	E8	100	27	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Chloroethane	ND	E8	200	74	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Chloroform	ND	E8	100	59	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Chloromethane	ND	E8	2000	150	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Dibromochloromethane	ND	E8	200	27	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Dibromomethane	ND	E8	100	31	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Dichlorodifluoromethane	ND	E8	200	45	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Di-isopropyl ether (DIPE)	ND	E8	100	50	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Ethanol	ND	E8	25000	9200	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Ethylbenzene	ND	E8	100	21	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Ethyl-t-butyl ether (ETBE)	ND	E8	100	24	ug/Kg		10/22/24 14:37	10/22/24 21:19	50

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QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 570-494329/6-A

Matrix: Solid

Analysis Batch: 494377

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 494329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND	E8	100	28	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Methylene Chloride	ND	E8	1000	310	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Methyl-t-Butyl Ether (MTBE)	ND	E8	200	19	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Naphthalene	ND	E8	1000	390	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
n-Butylbenzene	ND	E8	100	21	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
N-Propylbenzene	ND	E8	200	26	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
o-Xylene	ND	E8	100	26	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
m,p-Xylene	ND	E8	200	47	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
p-Isopropyltoluene	ND	E8	100	28	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
sec-Butylbenzene	ND	E8	100	27	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Styrene	ND	E8	100	32	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
trans-1,2-Dichloroethene	ND	E8	100	30	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
trans-1,3-Dichloropropene	ND	E8	200	28	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Tert-amyl-methyl ether (TAME)	ND	E8	100	19	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
tert-Butyl alcohol (TBA)	ND	E8	2000	700	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
tert-Butylbenzene	ND	E8	100	25	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Tetrachloroethene	ND	E8	100	22	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Toluene	ND	E8	100	27	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Trichloroethene	ND	E8	200	39	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Trichlorofluoromethane	ND	E8	1000	27	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Vinyl acetate	ND	E8	1000	390	ug/Kg		10/22/24 14:37	10/22/24 21:19	50
Vinyl chloride	ND	E8	100	38	ug/Kg		10/22/24 14:37	10/22/24 21:19	50

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		32 - 179	10/22/24 14:37	10/22/24 21:19	50
4-Bromofluorobenzene (Surr)	97		80 - 120	10/22/24 14:37	10/22/24 21:19	50
Dibromofluoromethane (Surr)	103		58 - 147	10/22/24 14:37	10/22/24 21:19	50
Toluene-d8 (Surr)	104		80 - 120	10/22/24 14:37	10/22/24 21:19	50

Lab Sample ID: LCS 570-494329/1-A

Matrix: Solid

Analysis Batch: 494377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 494329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	49.4		ug/Kg		99	80 - 125
1,1,1-Trichloroethane	50.0	51.3		ug/Kg		103	78 - 130
1,1,2,2-Tetrachloroethane	50.0	51.6		ug/Kg		103	80 - 124
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.1		ug/Kg		94	73 - 130
1,1,2-Trichloroethane	50.0	53.7		ug/Kg		107	80 - 123
1,1-Dichloroethane	50.0	50.1		ug/Kg		100	79 - 124
1,1-Dichloroethene	50.0	48.4		ug/Kg		97	74 - 132
1,1-Dichloropropene	50.0	51.2		ug/Kg		102	78 - 130
1,2,3-Trichlorobenzene	50.0	51.4		ug/Kg		103	80 - 123
1,2,3-Trichloropropane	50.0	47.0		ug/Kg		94	79 - 120
1,2,4-Trichlorobenzene	50.0	50.1		ug/Kg		100	80 - 125
1,2,4-Trimethylbenzene	50.0	53.2		ug/Kg		106	80 - 124
1,2-Dibromo-3-Chloropropane	50.0	56.2		ug/Kg		112	67 - 120
1,2-Dibromoethane	50.0	52.2		ug/Kg		104	80 - 120

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QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 570-494329/1-A

Matrix: Solid

Analysis Batch: 494377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 494329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	50.0	51.3		ug/Kg		103	80 - 120
1,2-Dichloroethane	50.0	52.4		ug/Kg		105	77 - 120
1,2-Dichloropropane	50.0	50.0		ug/Kg		100	80 - 126
1,3,5-Trimethylbenzene	50.0	50.9		ug/Kg		102	80 - 121
1,3-Dichlorobenzene	50.0	50.2		ug/Kg		100	80 - 120
1,3-Dichloropropane	50.0	52.8		ug/Kg		106	80 - 120
1,4-Dichlorobenzene	50.0	49.7		ug/Kg		99	80 - 120
2,2-Dichloropropane	50.0	48.7		ug/Kg		97	73 - 135
2-Butanone	50.0	51.2		ug/Kg		102	67 - 136
2-Chlorotoluene	50.0	48.7		ug/Kg		97	80 - 120
2-Hexanone	50.0	52.1		ug/Kg		104	70 - 137
4-Chlorotoluene	50.0	51.2		ug/Kg		102	80 - 121
4-Methyl-2-pentanone	50.0	50.5		ug/Kg		101	74 - 124
Benzene	50.0	51.8		ug/Kg		104	80 - 120
Bromobenzene	50.0	50.1		ug/Kg		100	80 - 120
Bromochloromethane	50.0	49.0		ug/Kg		98	80 - 120
Bromodichloromethane	50.0	52.0		ug/Kg		104	80 - 125
Bromoform	50.0	53.2		ug/Kg		106	74 - 138
Bromomethane	50.0	53.8		ug/Kg		108	58 - 136
cis-1,2-Dichloroethene	50.0	49.9		ug/Kg		100	80 - 124
cis-1,3-Dichloropropene	50.0	57.8		ug/Kg		116	80 - 123
Carbon disulfide	50.0	44.7		ug/Kg		89	68 - 128
Carbon tetrachloride	50.0	52.5		ug/Kg		105	75 - 140
Chlorobenzene	50.0	50.0		ug/Kg		100	80 - 120
Chloroethane	50.0	52.5		ug/Kg		105	76 - 137
Chloroform	50.0	51.6		ug/Kg		103	80 - 121
Chloromethane	50.0	49.1		ug/Kg		98	74 - 133
Dibromochloromethane	50.0	52.9		ug/Kg		106	80 - 132
Dibromomethane	50.0	50.3		ug/Kg		101	80 - 120
Dichlorodifluoromethane	50.0	50.7		ug/Kg		101	63 - 146
Di-isopropyl ether (DIPE)	50.0	48.9		ug/Kg		98	73 - 132
Ethanol	500	592		ug/Kg		118	46 - 159
Ethylbenzene	50.0	50.5		ug/Kg		101	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	48.2		ug/Kg		96	77 - 129
Isopropylbenzene	50.0	47.3		ug/Kg		95	80 - 122
Methylene Chloride	50.0	44.4		ug/Kg		89	74 - 120
Methyl-t-Butyl Ether (MTBE)	50.0	47.9		ug/Kg		96	79 - 123
Naphthalene	50.0	50.9		ug/Kg		102	79 - 121
n-Butylbenzene	50.0	53.0		ug/Kg		106	79 - 131
N-Propylbenzene	50.0	50.6		ug/Kg		101	80 - 122
o-Xylene	50.0	51.9		ug/Kg		104	80 - 120
m,p-Xylene	100	106		ug/Kg		106	80 - 120
p-Isopropyltoluene	50.0	52.7		ug/Kg		105	80 - 126
sec-Butylbenzene	50.0	52.8		ug/Kg		106	80 - 125
Styrene	50.0	52.0		ug/Kg		104	80 - 120
trans-1,2-Dichloroethene	50.0	48.8		ug/Kg		98	75 - 123
trans-1,3-Dichloropropene	50.0	48.3		ug/Kg		97	80 - 124
Tert-amyl-methyl ether (TAME)	50.0	48.6		ug/Kg		97	80 - 120
tert-Butyl alcohol (TBA)	250	268		ug/Kg		107	74 - 123

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QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 570-494329/1-A

Matrix: Solid

Analysis Batch: 494377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 494329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	50.0	49.3		ug/Kg		99	80 - 122
Toluene	50.0	50.4		ug/Kg		101	80 - 120
Trichloroethene	50.0	50.0		ug/Kg		100	80 - 127
Trichlorofluoromethane	50.0	56.6		ug/Kg		113	70 - 144
Vinyl acetate	50.0	45.9		ug/Kg		92	71 - 125
Vinyl chloride	50.0	54.0		ug/Kg		108	79 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		32 - 179
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	105		58 - 147
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-494329/2-A

Matrix: Solid

Analysis Batch: 494377

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 494329

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	50.6		ug/Kg		101	80 - 125	2	20
1,1,1-Trichloroethane	50.0	51.7		ug/Kg		103	78 - 130	1	20
1,1,2,2-Tetrachloroethane	50.0	52.8		ug/Kg		106	80 - 124	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.7		ug/Kg		95	73 - 130	1	20
1,1,2-Trichloroethane	50.0	53.7		ug/Kg		107	80 - 123	0	20
1,1-Dichloroethane	50.0	49.3		ug/Kg		99	79 - 124	2	20
1,1-Dichloroethene	50.0	49.3		ug/Kg		99	74 - 132	2	20
1,1-Dichloropropene	50.0	51.0		ug/Kg		102	78 - 130	0	20
1,2,3-Trichlorobenzene	50.0	50.9		ug/Kg		102	80 - 123	1	20
1,2,3-Trichloropropane	50.0	47.2		ug/Kg		94	79 - 120	0	20
1,2,4-Trichlorobenzene	50.0	50.0		ug/Kg		100	80 - 125	0	20
1,2,4-Trimethylbenzene	50.0	54.0		ug/Kg		108	80 - 124	2	20
1,2-Dibromo-3-Chloropropane	50.0	55.6		ug/Kg		111	67 - 120	1	20
1,2-Dibromoethane	50.0	52.5		ug/Kg		105	80 - 120	1	20
1,2-Dichlorobenzene	50.0	51.9		ug/Kg		104	80 - 120	1	20
1,2-Dichloroethane	50.0	52.1		ug/Kg		104	77 - 120	1	20
1,2-Dichloropropane	50.0	49.6		ug/Kg		99	80 - 126	1	20
1,3,5-Trimethylbenzene	50.0	51.1		ug/Kg		102	80 - 121	0	20
1,3-Dichlorobenzene	50.0	50.6		ug/Kg		101	80 - 120	1	20
1,3-Dichloropropane	50.0	51.3		ug/Kg		103	80 - 120	3	20
1,4-Dichlorobenzene	50.0	50.7		ug/Kg		101	80 - 120	2	20
2,2-Dichloropropane	50.0	48.3		ug/Kg		97	73 - 135	1	20
2-Butanone	50.0	51.2		ug/Kg		102	67 - 136	0	20
2-Chlorotoluene	50.0	48.9		ug/Kg		98	80 - 120	0	20
2-Hexanone	50.0	51.8		ug/Kg		104	70 - 137	1	20
4-Chlorotoluene	50.0	51.7		ug/Kg		103	80 - 121	1	20
4-Methyl-2-pentanone	50.0	47.4		ug/Kg		95	74 - 124	6	20
Benzene	50.0	51.2		ug/Kg		102	80 - 120	1	20
Bromobenzene	50.0	51.3		ug/Kg		103	80 - 120	2	20
Bromochloromethane	50.0	49.5		ug/Kg		99	80 - 120	1	20

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QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 570-494329/2-A

Matrix: Solid

Analysis Batch: 494377

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 494329

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromodichloromethane	50.0	52.1		ug/Kg		104	80 - 125	0	20
Bromoform	50.0	52.3		ug/Kg		105	74 - 138	2	20
Bromomethane	50.0	52.8		ug/Kg		106	58 - 136	2	20
cis-1,2-Dichloroethene	50.0	50.3		ug/Kg		101	80 - 124	1	20
cis-1,3-Dichloropropene	50.0	58.1		ug/Kg		116	80 - 123	1	20
Carbon disulfide	50.0	45.1		ug/Kg		90	68 - 128	1	20
Carbon tetrachloride	50.0	52.6		ug/Kg		105	75 - 140	0	20
Chlorobenzene	50.0	50.8		ug/Kg		102	80 - 120	2	20
Chloroethane	50.0	51.9		ug/Kg		104	76 - 137	1	20
Chloroform	50.0	51.2		ug/Kg		102	80 - 121	1	20
Chloromethane	50.0	47.8		ug/Kg		96	74 - 133	3	20
Dibromochloromethane	50.0	51.3		ug/Kg		103	80 - 132	3	20
Dibromomethane	50.0	50.2		ug/Kg		100	80 - 120	0	20
Dichlorodifluoromethane	50.0	50.0		ug/Kg		100	63 - 146	1	20
Di-isopropyl ether (DIPE)	50.0	49.9		ug/Kg		100	73 - 132	2	20
Ethanol	500	596		ug/Kg		119	46 - 159	1	30
Ethylbenzene	50.0	50.4		ug/Kg		101	80 - 120	0	20
Ethyl-t-butyl ether (ETBE)	50.0	48.4		ug/Kg		97	77 - 129	0	20
Isopropylbenzene	50.0	47.9		ug/Kg		96	80 - 122	1	20
Methylene Chloride	50.0	45.1		ug/Kg		90	74 - 120	1	20
Methyl-t-Butyl Ether (MTBE)	50.0	48.4		ug/Kg		97	79 - 123	1	20
Naphthalene	50.0	50.9		ug/Kg		102	79 - 121	0	20
n-Butylbenzene	50.0	53.8		ug/Kg		108	79 - 131	2	20
N-Propylbenzene	50.0	50.5		ug/Kg		101	80 - 122	0	20
o-Xylene	50.0	51.9		ug/Kg		104	80 - 120	0	20
m,p-Xylene	100	104		ug/Kg		104	80 - 120	1	20
p-Isopropyltoluene	50.0	53.5		ug/Kg		107	80 - 126	1	20
sec-Butylbenzene	50.0	53.1		ug/Kg		106	80 - 125	1	20
Styrene	50.0	51.9		ug/Kg		104	80 - 120	0	20
trans-1,2-Dichloroethene	50.0	49.0		ug/Kg		98	75 - 123	0	20
trans-1,3-Dichloropropene	50.0	48.3		ug/Kg		97	80 - 124	0	20
Tert-amyl-methyl ether (TAME)	50.0	47.8		ug/Kg		96	80 - 120	2	20
tert-Butyl alcohol (TBA)	250	273		ug/Kg		109	74 - 123	2	20
Tetrachloroethene	50.0	50.4		ug/Kg		101	80 - 122	2	20
Toluene	50.0	50.1		ug/Kg		100	80 - 120	1	20
Trichloroethene	50.0	50.8		ug/Kg		102	80 - 127	2	20
Trichlorofluoromethane	50.0	56.0		ug/Kg		112	70 - 144	1	20
Vinyl acetate	50.0	45.6		ug/Kg		91	71 - 125	1	20
Vinyl chloride	50.0	52.6		ug/Kg		105	79 - 133	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		32 - 179
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	103		58 - 147
Toluene-d8 (Surr)	99		80 - 120

QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 570-494601/1-A

Matrix: Solid

Analysis Batch: 494528

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 494601

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	56.9		ug/Kg		114	61 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		32 - 179
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	100		58 - 147
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-494601/2-A

Matrix: Solid

Analysis Batch: 494528

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 494601

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	50.0	46.6		ug/Kg		93	61 - 142	20	23

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		32 - 179
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	98		58 - 147
Toluene-d8 (Surr)	101		80 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-492890/1-A

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 492890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
1,2-Dichlorobenzene	ND	E8	0.50	0.084	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
1,3-Dichlorobenzene	ND	E8	0.50	0.11	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
1,4-Dichlorobenzene	ND	E8	0.50	0.096	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
1-Methylnaphthalene	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2,4,5-Trichlorophenol	ND	E8	0.50	0.20	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2,4,6-Trichlorophenol	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2,4-Dichlorophenol	ND	E8	0.50	0.13	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2,4-Dimethylphenol	ND	E8	0.50	0.13	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2,4-Dinitrophenol	ND	E8	2.0	0.91	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2,4-Dinitrotoluene	ND	E8	0.50	0.081	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2,6-Dichlorophenol	ND	E8	0.50	0.11	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2,6-Dinitrotoluene	ND	E8	0.50	0.086	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2-Chloronaphthalene	ND	E8	0.50	0.087	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2-Chlorophenol	ND	E8	0.50	0.13	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2-Methylnaphthalene	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2-Methylphenol	ND	E8	0.50	0.097	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2-Nitroaniline	ND	E8	0.50	0.092	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
2-Nitrophenol	ND	E8	0.50	0.14	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
3 & 4 Methylphenol	ND	E8	1.0	0.11	mg/Kg		10/18/24 04:43	10/22/24 20:19	1

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QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-492890/1-A

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 492890

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
3,3'-Dichlorobenzidine	ND	E8	2.5	0.54	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
3-Nitroaniline	ND	E8	0.50	0.084	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
4,6-Dinitro-2-methylphenol	ND	E8	2.5	0.95	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
4-Bromophenyl phenyl ether	ND	E8	0.50	0.073	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
4-Chloro-3-methylphenol	ND	E8	0.50	0.093	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
4-Chloroaniline	ND	E8	0.50	0.082	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
4-Chlorophenyl phenyl ether	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
4-Nitroaniline	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
4-Nitrophenol	ND	E8	0.50	0.32	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Acenaphthene	ND	E8	0.50	0.079	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Acenaphthylene	ND	E8	0.50	0.096	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Aniline	ND	E8	0.50	0.095	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Anthracene	ND	E8	0.50	0.078	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Azobenzene	ND	E8	0.50	0.078	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Benzidine	ND	E8	5.0	0.58	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Benzo[a]anthracene	ND	E8	0.50	0.083	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Benzo[a]pyrene	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Benzo[b]fluoranthene	ND	E8	0.50	0.085	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Benzo[g,h,i]perylene	ND	E8	0.50	0.089	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Benzo[k]fluoranthene	ND	E8	0.50	0.095	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Benzoic acid	ND	E8	2.5	0.67	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Benzyl alcohol	ND	E8	0.50	0.17	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
bis (2-Chloroisopropyl) ether	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Bis(2-chloroethoxy)methane	ND	E8	0.50	0.11	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Bis(2-chloroethyl)ether	ND	E8	2.5	0.11	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Bis(2-ethylhexyl) phthalate	ND	E8	0.50	0.22	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Butyl benzyl phthalate	ND	E8	0.50	0.24	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Chrysene	ND	E8	0.50	0.083	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Dibenz(a,h)anthracene	ND	E8	0.50	0.080	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Dibenzofuran	ND	E8	0.50	0.095	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Diethyl phthalate	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Dimethyl phthalate	ND	E8	0.50	0.098	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Di-n-butyl phthalate	ND	E8	0.50	0.11	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Di-n-octyl phthalate	ND	E8	0.50	0.23	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Fluoranthene	ND	E8	0.50	0.095	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Fluorene	ND	E8	0.50	0.094	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Hexachloro-1,3-butadiene	ND	E8	0.50	0.13	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Hexachlorobenzene	ND	E8	0.50	0.080	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Hexachlorocyclopentadiene	ND	E8	1.5	0.087	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Hexachloroethane	ND	E8	0.50	0.092	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Indeno[1,2,3-cd]pyrene	ND	E8	0.50	0.12	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Isophorone	ND	E8	0.50	0.080	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Naphthalene	ND	E8	0.50	0.14	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Nitrobenzene	ND	E8	2.0	0.14	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
N-Nitrosodimethylamine	ND	E8	0.50	0.089	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
N-Nitrosodi-n-propylamine	ND	E8	0.50	0.086	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
N-Nitrosodiphenylamine	ND	E8	0.50	0.085	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Pentachlorophenol	ND	E8	2.5	1.8	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Phenanthrene	ND	E8	0.50	0.072	mg/Kg		10/18/24 04:43	10/22/24 20:19	1

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QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-492890/1-A

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 492890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND	E8	0.50	0.097	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Pyrene	ND	E8	0.50	0.10	mg/Kg		10/18/24 04:43	10/22/24 20:19	1
Pyridine	ND	E8	0.50	0.24	mg/Kg		10/18/24 04:43	10/22/24 20:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		10 - 134	10/18/24 04:43	10/22/24 20:19	1
2-Fluorobiphenyl (Surr)	112		14 - 142	10/18/24 04:43	10/22/24 20:19	1
2-Fluorophenol (Surr)	115		10 - 123	10/18/24 04:43	10/22/24 20:19	1
Nitrobenzene-d5 (Surr)	122		10 - 129	10/18/24 04:43	10/22/24 20:19	1
Phenol-d6 (Surr)	117		10 - 120	10/18/24 04:43	10/22/24 20:19	1
p-Terphenyl-d14 (Surr)	112		31 - 139	10/18/24 04:43	10/22/24 20:19	1

Lab Sample ID: LCS 570-492890/2-A

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 492890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	5.00	4.53		mg/Kg		91	24 - 137
1,2-Dichlorobenzene	5.00	4.79		mg/Kg		96	24 - 148
1,3-Dichlorobenzene	5.00	4.69		mg/Kg		94	22 - 144
1,4-Dichlorobenzene	5.00	4.50		mg/Kg		90	24 - 143
1-Methylnaphthalene	5.00	4.56		mg/Kg		91	26 - 143
2,4,5-Trichlorophenol	5.00	5.22		mg/Kg		104	24 - 139
2,4,6-Trichlorophenol	5.00	5.13		mg/Kg		103	26 - 140
2,4-Dichlorophenol	5.00	5.21		mg/Kg		104	24 - 139
2,4-Dimethylphenol	5.00	4.76		mg/Kg		95	23 - 136
2,4-Dinitrophenol	5.00	4.26		mg/Kg		85	10 - 174
2,4-Dinitrotoluene	5.00	4.82		mg/Kg		96	28 - 166
2,6-Dichlorophenol	5.00	4.91		mg/Kg		98	23 - 134
2,6-Dinitrotoluene	5.00	5.41		mg/Kg		108	30 - 157
2-Chloronaphthalene	5.00	4.91		mg/Kg		98	30 - 144
2-Chlorophenol	5.00	5.55		mg/Kg		111	26 - 157
2-Methylnaphthalene	5.00	5.10		mg/Kg		102	23 - 134
2-Methylphenol	5.00	5.30		mg/Kg		106	30 - 161
2-Nitroaniline	5.00	5.08		mg/Kg		102	16 - 142
2-Nitrophenol	5.00	4.98		mg/Kg		100	23 - 142
3 & 4 Methylphenol	10.0	10.1		mg/Kg		101	10 - 120
3,3'-Dichlorobenzidine	5.00	4.10		mg/Kg		82	28 - 143
3-Nitroaniline	5.00	4.80		mg/Kg		96	25 - 138
4,6-Dinitro-2-methylphenol	5.00	4.83		mg/Kg		97	10 - 144
4-Bromophenyl phenyl ether	5.00	4.55		mg/Kg		91	33 - 150
4-Chloro-3-methylphenol	5.00	5.39		mg/Kg		108	23 - 142
4-Chloroaniline	5.00	3.93		mg/Kg		79	12 - 120
4-Chlorophenyl phenyl ether	5.00	4.84		mg/Kg		97	29 - 143
4-Nitroaniline	5.00	5.18		mg/Kg		104	26 - 147
4-Nitrophenol	5.00	5.10		mg/Kg		102	10 - 145
Acenaphthene	5.00	4.83		mg/Kg		97	30 - 144
Acenaphthylene	5.00	4.58		mg/Kg		92	28 - 148

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QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-492890/2-A

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 492890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	5.00	3.83		mg/Kg		77	10 - 120
Anthracene	5.00	4.90		mg/Kg		98	30 - 149
Azobenzene	5.00	4.90		mg/Kg		98	14 - 147
Benzidine	5.00	1.16	E4	mg/Kg		23	10 - 120
Benzo[a]anthracene	5.00	4.97		mg/Kg		99	27 - 156
Benzo[a]pyrene	5.00	5.31		mg/Kg		106	36 - 157
Benzo[b]fluoranthene	5.00	5.27		mg/Kg		105	35 - 159
Benzo[g,h,i]perylene	5.00	4.95		mg/Kg		99	30 - 156
Benzo[k]fluoranthene	5.00	4.88		mg/Kg		98	35 - 159
Benzoic acid	5.00	3.45		mg/Kg		69	10 - 136
Benzyl alcohol	5.00	5.37		mg/Kg		107	18 - 154
bis (2-Chloroisopropyl) ether	5.00	5.22		mg/Kg		104	10 - 179
Bis(2-chloroethoxy)methane	5.00	4.84		mg/Kg		97	21 - 140
Bis(2-chloroethyl)ether	5.00	4.70		mg/Kg		94	22 - 151
Bis(2-ethylhexyl) phthalate	5.00	5.08		mg/Kg		102	23 - 166
Butyl benzyl phthalate	5.00	5.30		mg/Kg		106	18 - 170
Chrysene	5.00	4.66		mg/Kg		93	28 - 145
Dibenz(a,h)anthracene	5.00	5.25		mg/Kg		105	32 - 149
Dibenzofuran	5.00	4.79		mg/Kg		96	29 - 143
Diethyl phthalate	5.00	5.17		mg/Kg		103	26 - 151
Dimethyl phthalate	5.00	5.02		mg/Kg		100	27 - 150
Di-n-butyl phthalate	5.00	5.37		mg/Kg		107	27 - 152
Di-n-octyl phthalate	5.00	5.09		mg/Kg		102	40 - 178
Fluoranthene	5.00	4.93		mg/Kg		99	33 - 156
Fluorene	5.00	4.99		mg/Kg		100	27 - 146
Hexachloro-1,3-butadiene	5.00	4.65		mg/Kg		93	22 - 140
Hexachlorobenzene	5.00	4.82		mg/Kg		96	20 - 143
Hexachlorocyclopentadiene	5.00	5.04		mg/Kg		101	10 - 172
Hexachloroethane	5.00	4.48		mg/Kg		90	22 - 144
Indeno[1,2,3-cd]pyrene	5.00	5.14		mg/Kg		103	38 - 157
Isophorone	5.00	4.67		mg/Kg		93	15 - 165
Naphthalene	5.00	4.51		mg/Kg		90	25 - 140
Nitrobenzene	5.00	4.51		mg/Kg		90	17 - 136
N-Nitrosodimethylamine	5.00	4.33		mg/Kg		87	10 - 134
N-Nitrosodi-n-propylamine	5.00	4.71		mg/Kg		94	16 - 158
N-Nitrosodiphenylamine	5.00	5.61		mg/Kg		112	33 - 166
Pentachlorophenol	5.00	4.95		mg/Kg		99	10 - 141
Phenanthrene	5.00	4.80		mg/Kg		96	29 - 144
Phenol	5.00	5.34		mg/Kg		107	19 - 164
Pyrene	5.00	4.77		mg/Kg		95	17 - 156
Pyridine	5.00	3.86		mg/Kg		77	10 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	99		10 - 134
2-Fluorobiphenyl (Surr)	96		14 - 142
2-Fluorophenol (Surr)	107		10 - 123
Nitrobenzene-d5 (Surr)	95		10 - 129
Phenol-d6 (Surr)	109		10 - 120

QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-492890/2-A

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 492890

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
p-Terphenyl-d14 (Surr)	98		31 - 139

Lab Sample ID: LCSD 570-492890/3-A

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 492890

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	5.00	4.80		mg/Kg		96	24 - 137	6	30
1,2-Dichlorobenzene	5.00	4.97		mg/Kg		99	24 - 148	4	30
1,3-Dichlorobenzene	5.00	4.81		mg/Kg		96	22 - 144	2	30
1,4-Dichlorobenzene	5.00	4.64		mg/Kg		93	24 - 143	3	30
1-Methylnaphthalene	5.00	4.82		mg/Kg		96	26 - 143	6	24
2,4,5-Trichlorophenol	5.00	5.32		mg/Kg		106	24 - 139	2	21
2,4,6-Trichlorophenol	5.00	5.41		mg/Kg		108	26 - 140	5	23
2,4-Dichlorophenol	5.00	5.48		mg/Kg		110	24 - 139	5	27
2,4-Dimethylphenol	5.00	4.97		mg/Kg		99	23 - 136	4	27
2,4-Dinitrophenol	5.00	4.69		mg/Kg		94	10 - 174	10	27
2,4-Dinitrotoluene	5.00	5.04		mg/Kg		101	28 - 166	4	27
2,6-Dichlorophenol	5.00	5.12		mg/Kg		102	23 - 134	4	25
2,6-Dinitrotoluene	5.00	5.59		mg/Kg		112	30 - 157	3	25
2-Chloronaphthalene	5.00	5.07		mg/Kg		101	30 - 144	3	22
2-Chlorophenol	5.00	5.71		mg/Kg		114	26 - 157	3	30
2-Methylnaphthalene	5.00	5.35		mg/Kg		107	23 - 134	5	27
2-Methylphenol	5.00	5.50		mg/Kg		110	30 - 161	4	28
2-Nitroaniline	5.00	5.28		mg/Kg		106	16 - 142	4	30
2-Nitrophenol	5.00	5.43		mg/Kg		109	23 - 142	9	30
3 & 4 Methylphenol	10.0	10.6		mg/Kg		106	10 - 120	5	30
3,3'-Dichlorobenzidine	5.00	4.51		mg/Kg		90	28 - 143	10	23
3-Nitroaniline	5.00	4.97		mg/Kg		99	25 - 138	3	27
4,6-Dinitro-2-methylphenol	5.00	5.28		mg/Kg		106	10 - 144	9	23
4-Bromophenyl phenyl ether	5.00	4.89		mg/Kg		98	33 - 150	7	22
4-Chloro-3-methylphenol	5.00	5.55		mg/Kg		111	23 - 142	3	30
4-Chloroaniline	5.00	4.15		mg/Kg		83	12 - 120	5	29
4-Chlorophenyl phenyl ether	5.00	4.99		mg/Kg		100	29 - 143	3	23
4-Nitroaniline	5.00	5.24		mg/Kg		105	26 - 147	1	29
4-Nitrophenol	5.00	5.29		mg/Kg		106	10 - 145	4	30
Acenaphthene	5.00	4.93		mg/Kg		99	30 - 144	2	22
Acenaphthylene	5.00	4.68		mg/Kg		94	28 - 148	2	25
Aniline	5.00	4.12		mg/Kg		82	10 - 120	7	30
Anthracene	5.00	5.07		mg/Kg		101	30 - 149	3	24
Azobenzene	5.00	5.17		mg/Kg		103	14 - 147	5	30
Benzidine	5.00	1.39	E4	mg/Kg		28	10 - 120	18	30
Benzo[a]anthracene	5.00	5.27		mg/Kg		105	27 - 156	6	24
Benzo[a]pyrene	5.00	5.66		mg/Kg		113	36 - 157	7	21
Benzo[b]fluoranthene	5.00	5.63		mg/Kg		113	35 - 159	7	21
Benzo[g,h,i]perylene	5.00	5.30		mg/Kg		106	30 - 156	7	25
Benzo[k]fluoranthene	5.00	5.15		mg/Kg		103	35 - 159	5	22
Benzoic acid	5.00	3.62		mg/Kg		72	10 - 136	5	20

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QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-492890/3-A

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 492890

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzyl alcohol	5.00	5.66		mg/Kg		113	18 - 154	5	30
bis (2-Chloroisopropyl) ether	5.00	5.38		mg/Kg		108	10 - 179	3	30
Bis(2-chloroethoxy)methane	5.00	5.04		mg/Kg		101	21 - 140	4	29
Bis(2-chloroethyl)ether	5.00	4.96		mg/Kg		99	22 - 151	5	30
Bis(2-ethylhexyl) phthalate	5.00	5.41		mg/Kg		108	23 - 166	6	27
Butyl benzyl phthalate	5.00	5.64		mg/Kg		113	18 - 170	6	29
Chrysene	5.00	5.03		mg/Kg		101	28 - 145	8	21
Dibenz(a,h)anthracene	5.00	5.75		mg/Kg		115	32 - 149	9	25
Dibenzofuran	5.00	4.89		mg/Kg		98	29 - 143	2	24
Diethyl phthalate	5.00	5.20		mg/Kg		104	26 - 151	1	26
Dimethyl phthalate	5.00	5.17		mg/Kg		103	27 - 150	3	24
Di-n-butyl phthalate	5.00	5.62		mg/Kg		112	27 - 152	4	27
Di-n-octyl phthalate	5.00	5.45		mg/Kg		109	40 - 178	7	21
Fluoranthene	5.00	5.10		mg/Kg		102	33 - 156	3	26
Fluorene	5.00	5.05		mg/Kg		101	27 - 146	1	26
Hexachloro-1,3-butadiene	5.00	4.89		mg/Kg		98	22 - 140	5	30
Hexachlorobenzene	5.00	5.12		mg/Kg		102	20 - 143	6	25
Hexachlorocyclopentadiene	5.00	5.34		mg/Kg		107	10 - 172	6	27
Hexachloroethane	5.00	4.73		mg/Kg		95	22 - 144	5	30
Indeno[1,2,3-cd]pyrene	5.00	5.48		mg/Kg		110	38 - 157	6	25
Isophorone	5.00	4.92		mg/Kg		98	15 - 165	5	30
Naphthalene	5.00	4.71		mg/Kg		94	25 - 140	4	28
Nitrobenzene	5.00	4.76		mg/Kg		95	17 - 136	5	30
N-Nitrosodimethylamine	5.00	4.56		mg/Kg		91	10 - 134	5	30
N-Nitrosodi-n-propylamine	5.00	4.85		mg/Kg		97	16 - 158	3	30
N-Nitrosodiphenylamine	5.00	5.86		mg/Kg		117	33 - 166	4	23
Pentachlorophenol	5.00	5.25		mg/Kg		105	10 - 141	6	25
Phenanthrene	5.00	4.96		mg/Kg		99	29 - 144	3	23
Phenol	5.00	5.50		mg/Kg		110	19 - 164	3	30
Pyrene	5.00	5.03		mg/Kg		101	17 - 156	5	27
Pyridine	5.00	3.79		mg/Kg		76	10 - 120	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	104		10 - 134
2-Fluorobiphenyl (Surr)	98		14 - 142
2-Fluorophenol (Surr)	111		10 - 123
Nitrobenzene-d5 (Surr)	99		10 - 129
Phenol-d6 (Surr)	112		10 - 120
p-Terphenyl-d14 (Surr)	102		31 - 139

Lab Sample ID: 570-203350-1 MS

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: AOC4-IDW-1

Prep Type: Total/NA

Prep Batch: 492890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	ND	E8	5.00	4.42		mg/Kg		88	50 - 125
1,2-Dichlorobenzene	ND	E8	5.00	4.60		mg/Kg		92	42 - 125
1,3-Dichlorobenzene	ND	E8	5.00	4.51		mg/Kg		90	40 - 125

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QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-203350-1 MS

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: AOC4-IDW-1

Prep Type: Total/NA

Prep Batch: 492890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	ND	E8	5.00	4.31		mg/Kg		86	45 - 125
1-Methylnaphthalene	ND	E8 T5	5.00	4.46		mg/Kg		89	54 - 125
2,4,5-Trichlorophenol	ND	E8	5.00	5.21		mg/Kg		104	35 - 125
2,4,6-Trichlorophenol	ND	E8	5.00	5.24		mg/Kg		105	33 - 126
2,4-Dichlorophenol	ND	E8	5.00	5.10		mg/Kg		102	45 - 125
2,4-Dimethylphenol	ND	E8	5.00	4.62		mg/Kg		92	44 - 125
2,4-Dinitrophenol	ND	E8	5.00	3.70		mg/Kg		74	10 - 125
2,4-Dinitrotoluene	ND	E8	5.00	4.75		mg/Kg		95	47 - 125
2,6-Dichlorophenol	ND	E8	5.00	4.80		mg/Kg		96	38 - 125
2,6-Dinitrotoluene	ND	E8	5.00	5.37		mg/Kg		107	41 - 125
2-Chloronaphthalene	ND	E8	5.00	4.88		mg/Kg		98	47 - 125
2-Chlorophenol	ND	E8	5.00	5.26		mg/Kg		105	49 - 125
2-Methylnaphthalene	ND	E8	5.00	5.02		mg/Kg		101	42 - 125
2-Methylphenol	ND	E8	5.00	5.00		mg/Kg		100	46 - 125
2-Nitroaniline	ND	E8	5.00	5.16		mg/Kg		103	43 - 125
2-Nitrophenol	ND	E8	5.00	5.21		mg/Kg		104	25 - 126
3 & 4 Methylphenol	ND	E8	9.99	9.79		mg/Kg		98	26 - 125
3,3'-Dichlorobenzidine	ND	E8	5.00	3.56		mg/Kg		71	29 - 125
3-Nitroaniline	ND	E8	5.00	4.85		mg/Kg		97	39 - 125
4,6-Dinitro-2-methylphenol	ND	E8	5.00	4.35		mg/Kg		87	10 - 125
4-Bromophenyl phenyl ether	ND	E8	5.00	4.60		mg/Kg		92	47 - 125
4-Chloro-3-methylphenol	ND	E8	5.00	5.34		mg/Kg		107	53 - 125
4-Chloroaniline	ND	E8	5.00	3.98		mg/Kg		80	33 - 125
4-Chlorophenyl phenyl ether	ND	E8	5.00	4.79		mg/Kg		96	49 - 125
4-Nitroaniline	ND	E8	5.00	4.78		mg/Kg		96	35 - 125
4-Nitrophenol	ND	E8	5.00	5.12		mg/Kg		103	22 - 134
Acenaphthene	ND	E8	5.00	4.72		mg/Kg		95	51 - 125
Acenaphthylene	ND	E8	5.00	4.51		mg/Kg		90	54 - 125
Aniline	ND	E8	5.00	3.49		mg/Kg		70	24 - 125
Anthracene	ND	E8	5.00	4.86		mg/Kg		97	50 - 125
Azobenzene	ND	E8 T5	5.00	4.95		mg/Kg		99	48 - 125
Benzidine	ND	E8 M2	5.00	ND	E8 M2	mg/Kg		0	10 - 126
Benzo[a]anthracene	ND	E8	5.00	5.06		mg/Kg		101	62 - 125
Benzo[a]pyrene	ND	E8	5.00	5.46		mg/Kg		109	55 - 131
Benzo[b]fluoranthene	ND	E8	5.00	5.49		mg/Kg		110	49 - 128
Benzo[g,h,i]perylene	ND	E8	5.00	5.05		mg/Kg		101	56 - 125
Benzo[k]fluoranthene	ND	E8	5.00	4.86		mg/Kg		97	48 - 125
Benzoic acid	ND	E8	5.00	2.21	E4	mg/Kg		44	10 - 125
Benzyl alcohol	ND	E8	5.00	5.29		mg/Kg		106	47 - 125
bis (2-Chloroisopropyl) ether	ND	E8	5.00	4.96		mg/Kg		99	46 - 125
Bis(2-chloroethoxy)methane	ND	E8	5.00	4.78		mg/Kg		96	48 - 125
Bis(2-chloroethyl)ether	ND	E8	5.00	4.80		mg/Kg		96	43 - 125
Bis(2-ethylhexyl) phthalate	ND	E8	5.00	5.40		mg/Kg		108	50 - 125
Butyl benzyl phthalate	ND	E8	5.00	5.37		mg/Kg		108	58 - 125
Chrysene	ND	E8	5.00	4.76		mg/Kg		95	53 - 125
Dibenz(a,h)anthracene	ND	E8	5.00	5.46		mg/Kg		109	57 - 125
Dibenzofuran	ND	E8	5.00	4.72		mg/Kg		94	47 - 125
Diethyl phthalate	ND	E8	5.00	5.04		mg/Kg		101	53 - 125
Dimethyl phthalate	ND	E8	5.00	4.94		mg/Kg		99	52 - 125

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QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-203350-1 MS

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: AOC4-IDW-1

Prep Type: Total/NA

Prep Batch: 492890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	ND	E8	5.00	5.27		mg/Kg		106	49 - 125
Di-n-octyl phthalate	ND	E8	5.00	5.55		mg/Kg		111	57 - 125
Fluoranthene	0.14	E4	5.00	4.95		mg/Kg		96	50 - 125
Fluorene	ND	E8	5.00	4.90		mg/Kg		98	54 - 125
Hexachloro-1,3-butadiene	ND	E8	5.00	4.66		mg/Kg		93	43 - 125
Hexachlorobenzene	ND	E8	5.00	4.84		mg/Kg		97	55 - 125
Hexachlorocyclopentadiene	ND	E8	5.00	5.12		mg/Kg		103	10 - 150
Hexachloroethane	ND	E8	5.00	4.40		mg/Kg		88	27 - 125
Indeno[1,2,3-cd]pyrene	ND	E8	5.00	5.45		mg/Kg		109	55 - 125
Isophorone	ND	E8	5.00	4.53		mg/Kg		91	50 - 125
Naphthalene	ND	E8	5.00	4.36		mg/Kg		87	39 - 127
Nitrobenzene	ND	E8	5.00	4.48		mg/Kg		90	43 - 125
N-Nitrosodimethylamine	ND	E8	5.00	4.05		mg/Kg		81	36 - 125
N-Nitrosodi-n-propylamine	ND	E8	5.00	4.45		mg/Kg		89	47 - 125
N-Nitrosodiphenylamine	ND	E8	5.00	5.64		mg/Kg		113	57 - 134
Pentachlorophenol	ND	E8	5.00	4.87		mg/Kg		98	10 - 125
Phenanthrene	ND	E8	5.00	4.75		mg/Kg		95	51 - 125
Phenol	ND	E8	5.00	5.02		mg/Kg		100	45 - 125
Pyrene	0.13	E4	5.00	4.82		mg/Kg		94	56 - 125
Pyridine	ND	E8 T5	5.00	3.02		mg/Kg		60	17 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	101		10 - 134
2-Fluorobiphenyl (Surr)	94		14 - 142
2-Fluorophenol (Surr)	101		10 - 123
Nitrobenzene-d5 (Surr)	93		10 - 129
Phenol-d6 (Surr)	100		10 - 120
p-Terphenyl-d14 (Surr)	98		31 - 139

Lab Sample ID: 570-203350-1 MSD

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: AOC4-IDW-1

Prep Type: Total/NA

Prep Batch: 492890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND	E8	4.99	4.47		mg/Kg		90	50 - 125	1	20
1,2-Dichlorobenzene	ND	E8	4.99	4.68		mg/Kg		94	42 - 125	2	20
1,3-Dichlorobenzene	ND	E8	4.99	4.56		mg/Kg		91	40 - 125	1	21
1,4-Dichlorobenzene	ND	E8	4.99	4.33		mg/Kg		87	45 - 125	0	24
1-Methylnaphthalene	ND	E8 T5	4.99	4.53		mg/Kg		91	54 - 125	2	20
2,4,5-Trichlorophenol	ND	E8	4.99	5.20		mg/Kg		104	35 - 125	0	20
2,4,6-Trichlorophenol	ND	E8	4.99	5.28		mg/Kg		106	33 - 126	1	20
2,4-Dichlorophenol	ND	E8	4.99	5.20		mg/Kg		104	45 - 125	2	20
2,4-Dimethylphenol	ND	E8	4.99	4.76		mg/Kg		95	44 - 125	3	20
2,4-Dinitrophenol	ND	E8	4.99	4.07		mg/Kg		82	10 - 125	10	22
2,4-Dinitrotoluene	ND	E8	4.99	4.79		mg/Kg		96	47 - 125	1	20
2,6-Dichlorophenol	ND	E8	4.99	4.81		mg/Kg		96	38 - 125	0	20
2,6-Dinitrotoluene	ND	E8	4.99	5.30		mg/Kg		106	41 - 125	1	20
2-Chloronaphthalene	ND	E8	4.99	4.82		mg/Kg		97	47 - 125	1	20

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QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-203350-1 MSD

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: AOC4-IDW-1

Prep Type: Total/NA

Prep Batch: 492890

Analyte	Sample		Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier		Result	Qualifier				Limits		RPD	Limit
2-Chlorophenol	ND	E8	4.99	5.36		mg/Kg		107	49 - 125		2	20
2-Methylnaphthalene	ND	E8	4.99	5.04		mg/Kg		101	42 - 125		0	20
2-Methylphenol	ND	E8	4.99	5.13		mg/Kg		103	46 - 125		2	20
2-Nitroaniline	ND	E8	4.99	5.20		mg/Kg		104	43 - 125		1	20
2-Nitrophenol	ND	E8	4.99	5.36		mg/Kg		107	25 - 126		3	21
3 & 4 Methylphenol	ND	E8	9.97	9.95		mg/Kg		100	26 - 125		2	20
3,3'-Dichlorobenzidine	ND	E8	4.99	4.36		mg/Kg		87	29 - 125		20	20
3-Nitroaniline	ND	E8	4.99	4.88		mg/Kg		98	39 - 125		1	20
4,6-Dinitro-2-methylphenol	ND	E8	4.99	4.70		mg/Kg		94	10 - 125		8	24
4-Bromophenyl phenyl ether	ND	E8	4.99	4.56		mg/Kg		91	47 - 125		1	20
4-Chloro-3-methylphenol	ND	E8	4.99	5.39		mg/Kg		108	53 - 125		1	20
4-Chloroaniline	ND	E8	4.99	4.01		mg/Kg		80	33 - 125		1	20
4-Chlorophenyl phenyl ether	ND	E8	4.99	4.76		mg/Kg		95	49 - 125		1	20
4-Nitroaniline	ND	E8	4.99	5.09		mg/Kg		102	35 - 125		6	20
4-Nitrophenol	ND	E8	4.99	5.15		mg/Kg		103	22 - 134		1	21
Acenaphthene	ND	E8	4.99	4.68		mg/Kg		94	51 - 125		1	20
Acenaphthylene	ND	E8	4.99	4.49		mg/Kg		90	54 - 125		0	20
Aniline	ND	E8	4.99	3.68		mg/Kg		74	24 - 125		5	20
Anthracene	ND	E8	4.99	4.75		mg/Kg		95	50 - 125		2	20
Azobenzene	ND	E8 T5	4.99	4.85		mg/Kg		97	48 - 125		2	20
Benzidine	ND	E8 M2	4.99	0.877	E4	mg/Kg		18	10 - 126		NC	30
Benzo[a]anthracene	ND	E8	4.99	4.95		mg/Kg		99	62 - 125		2	20
Benzo[a]pyrene	ND	E8	4.99	5.34		mg/Kg		107	55 - 131		2	20
Benzo[b]fluoranthene	ND	E8	4.99	5.16		mg/Kg		103	49 - 128		6	20
Benzo[g,h,i]perylene	ND	E8	4.99	4.86		mg/Kg		98	56 - 125		4	20
Benzo[k]fluoranthene	ND	E8	4.99	5.07		mg/Kg		102	48 - 125		4	20
Benzoic acid	ND	E8	4.99	2.50		mg/Kg		50	10 - 125		12	35
Benzyl alcohol	ND	E8	4.99	5.30		mg/Kg		106	47 - 125		0	20
bis (2-Chloroisopropyl) ether	ND	E8	4.99	5.09		mg/Kg		102	46 - 125		3	20
Bis(2-chloroethoxy)methane	ND	E8	4.99	4.82		mg/Kg		97	48 - 125		1	20
Bis(2-chloroethyl)ether	ND	E8	4.99	4.69		mg/Kg		94	43 - 125		2	20
Bis(2-ethylhexyl) phthalate	ND	E8	4.99	5.28		mg/Kg		106	50 - 125		2	20
Butyl benzyl phthalate	ND	E8	4.99	5.35		mg/Kg		107	58 - 125		0	20
Chrysene	ND	E8	4.99	4.73		mg/Kg		95	53 - 125		1	20
Dibenz(a,h)anthracene	ND	E8	4.99	5.40		mg/Kg		108	57 - 125		1	20
Dibenzofuran	ND	E8	4.99	4.65		mg/Kg		93	47 - 125		1	20
Diethyl phthalate	ND	E8	4.99	4.99		mg/Kg		100	53 - 125		1	20
Dimethyl phthalate	ND	E8	4.99	4.90		mg/Kg		98	52 - 125		1	20
Di-n-butyl phthalate	ND	E8	4.99	5.26		mg/Kg		105	49 - 125		0	20
Di-n-octyl phthalate	ND	E8	4.99	5.57		mg/Kg		112	57 - 125		0	20
Fluoranthene	0.14	E4	4.99	4.84		mg/Kg		94	50 - 125		2	20
Fluorene	ND	E8	4.99	4.86		mg/Kg		97	54 - 125		1	20
Hexachloro-1,3-butadiene	ND	E8	4.99	4.68		mg/Kg		94	43 - 125		0	20
Hexachlorobenzene	ND	E8	4.99	4.63		mg/Kg		93	55 - 125		5	20
Hexachlorocyclopentadiene	ND	E8	4.99	5.16		mg/Kg		103	10 - 150		1	33
Hexachloroethane	ND	E8	4.99	4.50		mg/Kg		90	27 - 125		2	27
Indeno[1,2,3-cd]pyrene	ND	E8	4.99	5.20		mg/Kg		104	55 - 125		5	20
Isophorone	ND	E8	4.99	4.66		mg/Kg		93	50 - 125		3	20
Naphthalene	ND	E8	4.99	4.42		mg/Kg		89	39 - 127		1	20

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QC Sample Results

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-203350-1 MSD

Matrix: Solid

Analysis Batch: 494267

Client Sample ID: AOC4-IDW-1

Prep Type: Total/NA

Prep Batch: 492890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrobenzene	ND	E8	4.99	4.54		mg/Kg		91	43 - 125	2	20
N-Nitrosodimethylamine	ND	E8	4.99	4.23		mg/Kg		85	36 - 125	4	26
N-Nitrosodi-n-propylamine	ND	E8	4.99	4.57		mg/Kg		92	47 - 125	3	20
N-Nitrosodiphenylamine	ND	E8	4.99	5.61		mg/Kg		113	57 - 134	0	20
Pentachlorophenol	ND	E8	4.99	5.02		mg/Kg		101	10 - 125	3	20
Phenanthrene	ND	E8	4.99	4.63		mg/Kg		93	51 - 125	3	20
Phenol	ND	E8	4.99	5.17		mg/Kg		104	45 - 125	3	20
Pyrene	0.13	E4	4.99	4.75		mg/Kg		93	56 - 125	2	20
Pyridine	ND	E8 T5	4.99	3.25		mg/Kg		65	17 - 125	8	27

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
2,4,6-Tribromophenol (Surr)	100		10 - 134
2-Fluorobiphenyl (Surr)	95		14 - 142
2-Fluorophenol (Surr)	105		10 - 123
Nitrobenzene-d5 (Surr)	95		10 - 129
Phenol-d6 (Surr)	106		10 - 120
p-Terphenyl-d14 (Surr)	97		31 - 139

QC Association Summary

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

GC/MS VOA

Prep Batch: 494329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203350-1	AOC4-IDW-1	Total/NA	Solid	5030C	
570-203350-1 - RA	AOC4-IDW-1	Total/NA	Solid	5030C	
570-203350-2	AOC4-IDW-2	Total/NA	Solid	5030C	
570-203350-2 - RA	AOC4-IDW-2	Total/NA	Solid	5030C	
570-203350-3	MW-20-IDW	Total/NA	Solid	5030C	
570-203350-3 - RA	MW-20-IDW	Total/NA	Solid	5030C	
MB 570-494329/6-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-494329/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-494329/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

Analysis Batch: 494377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203350-1	AOC4-IDW-1	Total/NA	Solid	8260C	494329
570-203350-2	AOC4-IDW-2	Total/NA	Solid	8260C	494329
570-203350-3	MW-20-IDW	Total/NA	Solid	8260C	494329
MB 570-494329/6-A	Method Blank	Total/NA	Solid	8260C	494329
LCS 570-494329/1-A	Lab Control Sample	Total/NA	Solid	8260C	494329
LCSD 570-494329/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	494329

Analysis Batch: 494528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203350-1 - RA	AOC4-IDW-1	Total/NA	Solid	8260C	494329
570-203350-2 - RA	AOC4-IDW-2	Total/NA	Solid	8260C	494329
570-203350-3 - RA	MW-20-IDW	Total/NA	Solid	8260C	494329
LCS 570-494601/1-A	Lab Control Sample	Total/NA	Solid	8260C	494601
LCSD 570-494601/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	494601

Prep Batch: 494601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-494601/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-494601/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

GC/MS Semi VOA

Prep Batch: 492890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203350-1	AOC4-IDW-1	Total/NA	Solid	3546	
570-203350-2	AOC4-IDW-2	Total/NA	Solid	3546	
570-203350-3	MW-20-IDW	Total/NA	Solid	3546	
MB 570-492890/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-492890/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-492890/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-203350-1 MS	AOC4-IDW-1	Total/NA	Solid	3546	
570-203350-1 MSD	AOC4-IDW-1	Total/NA	Solid	3546	

Analysis Batch: 494267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203350-1	AOC4-IDW-1	Total/NA	Solid	8270D	492890
570-203350-2	AOC4-IDW-2	Total/NA	Solid	8270D	492890
570-203350-3	MW-20-IDW	Total/NA	Solid	8270D	492890
MB 570-492890/1-A	Method Blank	Total/NA	Solid	8270D	492890

Eurofins Calscience

QC Association Summary

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

GC/MS Semi VOA (Continued)

Analysis Batch: 494267 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-492890/2-A	Lab Control Sample	Total/NA	Solid	8270D	492890
LCSD 570-492890/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	492890
570-203350-1 MS	AOC4-IDW-1	Total/NA	Solid	8270D	492890
570-203350-1 MSD	AOC4-IDW-1	Total/NA	Solid	8270D	492890

Lab Chronicle

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Client Sample ID: AOC4-IDW-1

Lab Sample ID: 570-203350-1

Date Collected: 10/15/24 12:30

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.02 g	10 mL	494329	10/22/24 14:37	GC3Z	EET CAL 4
Total/NA	Analysis	8260C		50	5 g	5 mL	494377	10/22/24 23:05	GC3Z	EET CAL 4
Instrument ID: GCMSLL										
Total/NA	Prep	5030C	RA		5.02 g	10 mL	494329	10/22/24 14:37	GC3Z	EET CAL 4
Total/NA	Analysis	8260C	RA	50	5 g	5 mL	494528	10/23/24 12:35	AJ4K	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	3546			20.05 g	2 mL	492890	10/18/24 04:44	S4NC	EET CAL 4
Total/NA	Analysis	8270D		1	1 mL	1 mL	494267	10/22/24 22:20	CG	EET CAL 4
Instrument ID: GCMSTT										

Client Sample ID: AOC4-IDW-2

Lab Sample ID: 570-203350-2

Date Collected: 10/15/24 12:50

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.06 g	10 mL	494329	10/22/24 14:37	GC3Z	EET CAL 4
Total/NA	Analysis	8260C		50	5 g	5 mL	494377	10/22/24 23:26	GC3Z	EET CAL 4
Instrument ID: GCMSLL										
Total/NA	Prep	5030C	RA		5.06 g	10 mL	494329	10/22/24 14:37	GC3Z	EET CAL 4
Total/NA	Analysis	8260C	RA	50	5 g	5 mL	494528	10/23/24 12:57	AJ4K	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	3546			20.05 g	2 mL	492890	10/18/24 04:44	S4NC	EET CAL 4
Total/NA	Analysis	8270D		1	1 mL	1 mL	494267	10/22/24 22:44	CG	EET CAL 4
Instrument ID: GCMSTT										

Client Sample ID: MW-20-IDW

Lab Sample ID: 570-203350-3

Date Collected: 10/15/24 13:35

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.08 g	10 mL	494329	10/22/24 14:37	GC3Z	EET CAL 4
Total/NA	Analysis	8260C		50	5 g	5 mL	494377	10/22/24 23:47	GC3Z	EET CAL 4
Instrument ID: GCMSLL										
Total/NA	Prep	5030C	RA		5.08 g	10 mL	494329	10/22/24 14:37	GC3Z	EET CAL 4
Total/NA	Analysis	8260C	RA	50	5 g	5 mL	494528	10/23/24 13:19	AJ4K	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	3546			20.01 g	2 mL	492890	10/18/24 04:44	S4NC	EET CAL 4
Total/NA	Analysis	8270D		5	1 mL	1 mL	494267	10/22/24 23:08	CG	EET CAL 4
Instrument ID: GCMSTT										

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Eurofins Calscience

Accreditation/Certification Summary

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-15-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C	5030C	Solid	1,1,2-Trichloro-1,2,2-trifluoroethane
8270D	3546	Solid	1-Methylnaphthalene
8270D	3546	Solid	Azobenzene
8270D	3546	Solid	Pyridine

Method Summary

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET CAL 4
3546	Microwave Extraction	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

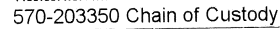
Sample Summary

Client: Jacobs Engineering Group, Inc.
Project/Site: PG&E Topock Compressor Station

Job ID: 570-203350-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-203350-1	AOC4-IDW-1	Solid	10/15/24 12:30	10/17/24 09:40
570-203350-2	AOC4-IDW-2	Solid	10/15/24 12:50	10/17/24 09:40
570-203350-3	MW-20-IDW	Solid	10/15/24 13:35	10/17/24 09:40

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15



Page 1 OF 1

Page 1 OF 1

2012 Jan 17/21 - 24
2012 Dec 1

EUROFINS CALSCIENCE
2841 DOW AVE STE 100

TUSTIN CA 92780

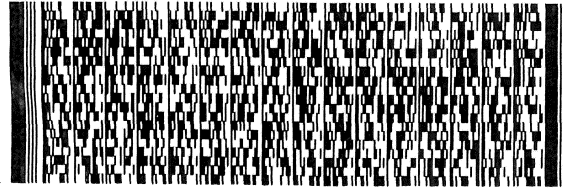
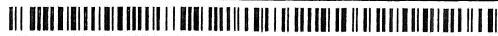


570-203350 Waybill

(626) 297-5292
INV: PKG ID: 207773
PO:

REF:

DEPT:



FedEx
Express



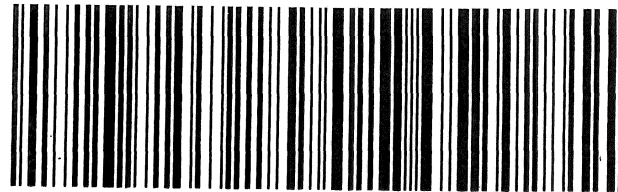
J244024091001UY

TRK# 7792 8258 2609
0201

THU - 17 OCT 5:00P
STANDARD OVERNIGHT

QZ DTHA

AHS
92780
CA-US SNA



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203350

Login Sample Receipt Checklist

Client: Jacobs Engineering Group, Inc.

Job Number: 570-203350-1

Login Number: 203350

List Source: Eurofins Calscience

List Number: 1

Creator: Vitente, Precy

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Report Prepared for:

Sonny Lorenzo
Asset Laboratories
3151-3153 W Post Road
Las Vegas NV 89118

**REPORT OF
LABORATORY
ANALYSIS FOR
PCDD/PCDF**

Report Prepared Date:

November 6, 2024

Report Information:

Pace Project #: 10713474

Sample Receipt Date: 10/28/2024

Client Project #: N069474

Client Sub PO #: N69474B

State Cert #: 2929

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Joanne Richardson, your Pace Project Manager.

This report has been reviewed by:



November 06, 2024

Joanne Richardson,
(612) 607-6453
(612) 607-6444 (fax)



Report of Laboratory Analysis

This report should not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

The results relate only to the samples included in this report.



DISCUSSION

This report presents the results from the analyses performed on two samples submitted by a representative of Asset Laboratories. The samples were analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using a modified version of USEPA Method 8290. The estimated detection limits (EDLs) were based on signal-to-noise measurements. Estimated maximum possible concentration (EMPC) values were treated as positives in the toxic equivalence calculations.

Second column confirmation analyses of 2,3,7,8-TCDF values obtained from the primary (DB5-MS) column are performed only when specifically requested for a project and only when the values are above the concentration of the lowest calibration standard. Typical resolution for this isomer using the DB5-MS column ranges from 25-30%.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts ranged from 48-107%. Except for two values, which were flagged "R" on the results tables, the labeled internal standard recoveries obtained for this project were within the 40-135% target range specified in Method 8290. Also, since the quantification of the native 2,3,7,8-substituted congeners was based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

Values were flagged "I" where incorrect isotope ratios were obtained. Concentrations below the calibration range were flagged "J" and should be regarded as estimates.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank to be free of PCDDs and PCDFs.

A laboratory spike sample was also prepared using clean reference matrix that had been fortified with native standard materials. The results show that the spiked native compounds were recovered at 99-118%. These results were within the target range for the method. Matrix spikes were prepared with the sample batch using sample material from a separate project; results from these analyses will be provided upon request.

The response obtained for the labelled OCDD in calibration standard analysis F241104A_16 was outside of the target range. As specified in our procedures for this method, the average of the daily response factors for this compound were used in the calculations for the samples from this runshift. The affected values were flagged "Y" on the results tables.

REPORT OF LABORATORY ANALYSIS

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Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Missouri	10100
Alabama	40770	Montana	CERT0092
Alaska-DW	MN00064	Nebraska	NE-OS-18-06
Alaska-UST	17-009	Nevada	MN00064
Arizona	AZ0014	New Hampshire	2081
Arkansas - WW	88-0680	New Jersey	MN002
Arkansas-DW	MN00064	New York	11647
California	2929	North Carolina-DW	27700
Colorado	MN00064	North Carolina-WW	530
Connecticut	PH-0256	North Dakota	R-036
Florida	E87605	Ohio-DW	41244
Georgia	959	Ohio-VAP (1700)	CL101
Hawaii	MN00064	Ohio-VAP (1800)	CL110
Idaho	MN00064	Oklahoma	9507
Illinois	200011	Oregon-Primary	MN300001
Indiana	C-MN-01	Oregon-Secondary	MN200001
Iowa	368	Pennsylvania	68-00563
Kansas	E-10167	Puerto Rico	MN00064
Kentucky-DW	90062	South Carolina	74003
Kentucky-WW	90062	Tennessee	TN02818
Louisiana-DEQ	AI-84596	Texas	T104704192
Louisiana-DW	MN00064	Utah	MN00064
Maine	MN00064	Vermont	VT-027053137
Maryland	322	Virginia	460163
Michigan	9909	Washington	C486
Minnesota	027-053-137	West Virginia-DEP	382
Minnesota-Ag	via MN 027-053-137	West Virginia-DW	9952C
Minnesota-Petrofund	1240	Wisconsin	999407970
Mississippi	MN00064	Wyoming-UST	via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

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ASSET Laboratories

3151-3153 W Post Rd., Las Vegas, NV 89118

www.atl-labs.com

TEL: 7023072659

FAX: 7023072691

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

QC Level: Level IV

Subcontractor:

Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414

TEL: (612) 607-1700

FAX: (612) 607-6444

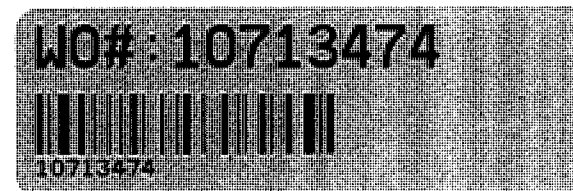
Acct #:

Field Sampler: C. Hong

26-Oct-24

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 8290		
N069474-001D / AOC4-IDW-1	Soil	10/15/2024 12:30:00 PM	4OZG	1		CD1
N069474-002D / AOC4-IDW-2	Soil	10/15/2024 12:50:00 PM	4OZG	1		CD2

Samples from Needles CA.
PG&E Arcadis project
Site: Topock



General Comments: PLEASE EMAIL SAMPLE RECEIPT ACKNOWLEDGEMENT TO THE PM. ALWAYS CC: sonny.lorenzo@assetlaboratories.com

Please use PO#: N69474B Please email Invoices and Account Receivable Statements to elvira@assetlaboratories.com. For questions, call Marlon at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by: RUSH ASAP

Please analyze for Dioxins/Furans by 8290. EDD requirement Labspec7 edata.

Fedex#: 779534939660

Date/Time		Date/Time	
Relinquished by: <u>Efanegof</u>	10/26/2024 11:00	Received by: <u>mmmmmm/Pace</u>	10-28-24 850
Relinquished by: _____	_____	Received by: _____	_____

ENV-FRM-MIN4-0150 v17 Sample Condition Upon Receipt

CLIENT NAME: Asset Labs

PROJECT #:

WO#: **10713474**

COURIER: ☐ Client ☐ Commercial ☒ FedEx ☐ Pace
☐ SpeedDee ☐ UPS ☐ USPS

PM: JMR Due Date: 11/11/24
 CLIENT: Asset Labs

TRACKING NUMBER: 7795 3793 9660 ☐ See Exceptions form ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present: ☐ YES ☒ NO Seals Intact: ☐ YES ☒ NO Biological Tissue Frozen: ☐ YES ☐ NO ☒ N/A
 Packing Material: ☒ Bubble Bags ☐ Bubble Wrap ☐ None ☐ Other Temp Blank: ☐ YES ☒ NO Type of Ice: ☐ Blue ☐ Dry ☒ Wet
 Thermometer: ☒ T1 (0461) ☐ T2 (0436) ☐ T3 (0459) ☐ T4 (0402) ☐ T5 (0178) ☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9 (0727) ☐ 01339252 (1710) ☐ Melted ☐ None

Did Samples Originate in West Virginia: ☐ YES ☒ NO Were All Container Temps taken: ☐ YES ☐ NO ☒ N/A
 Correction Factor: -0.1 Cooler Temp Read w/Temp Blank: _____ °C Average Corrected Temp (no Temp Blank Only): 216 °C
 Cooler Temp Corrected w/Temp Blank: _____ °C
 NOTE: Temp should be above freezing to 6°C. ☐ See Exceptions Form ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: ☐ N/A - Water Sample/Other (describe): _____ Initials & Date of Person Examining Contents: EC 10-28-24
 Did Samples originate from one of the following states (check maps) - AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA: ☒ YES ☐ NO Did samples originate from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☒ NO
 NOTE: If YES to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

LOCATION (check one):	YES	NO	N/A	COMMENT(S)								
☐ DULUTH ☒ MINNEAPOLIS ☐ VIRGINIA												
Chain of Custody Present and Filled Out?	☒	☐	☐	1.								
Chain of Custody Relinquished?	☒	☐	☐	2.								
Sampler Name and/or Signature on COC?	☐	☒	☐	3.								
Samples Arrived within Hold Time?	☒	☐	☐	4. If Fecal: ☐ <8 hrs ☐ >8 hr, <24 hr ☐ No								
Short Hold Time Analysis (<72 hr)?	☐	☒	☐	5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/E. coli ☐ Other: _____								
Rush Turn Around Time Requested?	☐	☒	☐	6.								
Sufficient Sample Volume?	☒	☐	☐	7.								
Correct Containers Used?	☒	☐	☐	8.								
- Pace Containers Used?	☒	☐	☐									
Containers Intact?	☒	☐	☐	9.								
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO								
Is sufficient information available to reconcile the samples to the COC? NOTE: If ID/Date/Time don't match fill out section 11. Matrix: ☐ Oil ☒ Soil ☐ Water ☐ Other	☒	☐	☐	11. If NO, write ID/Date/Time of container below: ☐ See Exceptions form ENV-FRM-MIN4-0142								
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil & Grease, DRO/8015 (water) and Dioxins/PFAS	☐	☐	☒	12. Sample #: ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ Zinc Acetate Positive for Residual Chlorine: ☐ YES ☐ NO pH Paper Lot # <table border="1"> <tr> <th>Residual Chlorine</th> <th>0-6 Roll</th> <th>0-6 Strip</th> <th>0-14 Strip</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> ☐ See Exceptions form ENV-FRM-MIN4-0142	Residual Chlorine	0-6 Roll	0-6 Strip	0-14 Strip				
Residual Chlorine	0-6 Roll	0-6 Strip	0-14 Strip									
NOTE: If adding preservation to the container, verify with the PM first. Clients may require adding preservative to the field and equipment blanks when this occurs.												
Headspace in Methyl Mercury Container?	☐	☐	☒	13.								
Extra labels present on soil VOA or WIDRO containers?	☐	☐	☒	14.								
Headspace in VOA Vials (greater than 6mm)?	☐	☐	☒	☐ See Exceptions form ENV-FRM-MIN4-0140								
Trip Blanks Present?	☐	☐	☒	15.								
Trip Blank Custody Seals Present?	☐	☐	☒	Pace Trip Blank Lot # (if purchased): _____								

CLIENT NOTIFICATION / RESOLUTION

FIELD DATA REQUIRED: ☐ YES ☐ NO

Person Contacted: _____ Date & Time: _____

Comments / Resolution: _____

Project Manager Review: Joanne Richardson Date: 10-28-24

NOTE: When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled By: EC Line: 2

ENV-FRM-MIN4-0142 v03_Sample Condition Upon Receipt - Exceptions

Workorder #: 10713474

No Temp Blank		
Read Temp	Corrected Temp	Average temp
2.7	2.6	2.6
2.7	2.6	

PM Notified of Out of Temp Cooler? ☐ YES ☐ NO If yes, indicate who was contacted, date and time. If no, indicate reason why.
Multiple Cooler Project? ☐ YES ☐ NO

If anything is OVER 6.0°C, you **MUST** document containers in this section **HERE**



Tracking Number	Temperature



Out of Temp Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples										
Sample ID	Type Of Preserve	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance After Addition?		Initials
								YES	NO	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	
								☐	☐	

Comments:

ENV-FRM-MIN4-0154 v03_USDA Regulated Soil Checklist

SECTION TO BE COMPLETED BY SAMPLE RECEIVING:

WO #: 10713474

Date: 10-28-24

Initials: EC

Sample Origin (check one):

☒ DOMESTIC

☐ DOMESTIC REGULATED

☐ QUARANTINED

☐ FOREIGN

NOTE: Soil samples from Guam, Hawaii, Puerto Rico, and the US Virgin Islands are Foreign originated.

If DOMESTIC, circle state of origin: AL AR AZ CA FL GA LA MS NC NM NY OK OR SC TN TX VA

List County: San Bernardino

NOTE: USDA Permit/Compliance Agreement authorizes movement of samples from these domestic regulated zones. Includes IFA, SOD, Golden Nematode, Karnal Bunt, and Witchweed.

If QUARANTINED, circle state of origin: CA ID NY TX

List County: _____

NOTE: Movement is not authorized for Pale Cyst Nematode (ID)—remaining quarantines require additional paperwork.

If FOREIGN, list country of origin: _____

NOTE: Movement from some Canadian Provinces is not allowed. Refer to ENV-GUI-MIN4-0086 Regulated Soil Guide.

REQUIREMENT	ACTION	COMPLETED		
		YES	NO	N/A
PPQ-530 Paperwork must be included for any samples from counties with a Fruit Fly Quarantine in CA, NY, and TX. <i>Reference ENV-SOP-MIN4-0095.</i>	Scan PPQ-530 to the corresponding project folder on the X:drive. If PPQ-530 is not present, contact the laboratory's designated USDA permit holder. DO NOT continue processing samples.	☐	☐	☒
Samples from ID may not be moved from the quarantined region. <i>Reference ENV-SOP-MIN4-0095.</i>	If samples originated in a quarantined zone, contact the laboratory's designated USDA permit holder. DO NOT continue processing samples.	☐	☐	☒
"Special Handling" stickers are to be placed on all samples.	Did "special handling" stickers get placed on all sample containers?	☐	☐	☒
Samples must be segregated and stored in designated bins, shelves, and coolers.	Were samples placed in a designated cooler, containers, and shelves?	☐	☐	☒
Samples must be double contained to prevent accidental release.	Were there any signs of breakage or leakage (check for broken glass and/or loose soil in the cooler)? NOTE: If NO, ice and melt water can be disposed of by normal process (ex: down the drain).	☐	☒	☐
	If YES, were ice and melt water separated from the cooler and disposed of properly?	☐	☐	☐
	Any broken glass and/or loose soil are to be bagged and placed in a USDA Regulated satellite container or active drum (see Waste Coordinator). Ice and melt water should be baked at a temperature range of 121-154°F for 2 hours and then cooled before going down the drain.			
Equipment and supplies that have come into contact samples must be decontaminated.	Was the cooler(s) and/or countertop(s) decontaminated using either a fresh 10% bleach solution or 70% ethanol? NOTE: Gloves and other lab supplies will be bagged and placed in the USDA Regulated satellite container or active drum.	☐	☒	☐

COMMENT(S):

SECTION TO BE COMPLETED BY PROJECT MANAGEMENT (PM and/or PC):

Sample analysis will be completed by (check all that apply): ☒ MN ☐ SUBCONTRACT LAB

If SUBCONTRACT, list lab(s):

REQUIREMENT	ACTION	COMPLETED		
		YES	NO	N/A
Permission to ship untreated soil must be on file prior to shipping to any subcontract lab, including IR Pace Labs.	Go to: S:\CLIENTSVR\10_Client Services Department Documents\Regulated Soils Permits\Permission to Ship. If permission to ship letter is not there, contact the laboratory's designated USDA permit holder.	☐	☐	☒
Shipment must include a valid copy of the receiving lab's permit as well as permission to ship letter.	Is a copy of all needed paperwork included with the COC? DO NOT ship samples until all necessary paperwork is compiled.	☐	☐	☒

COMMENT(S):

PM Signature: Joanne Richardson

Date: 10-28-24



Pace Analytical Services, LLC
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Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Reporting Flags

- A = Reporting Limit based on signal to noise (EDL)
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- H2 = Extracted outside of holding time
- I = Isotope ratio out of specification
- J = Estimated value
- L = Suppressive interference, analyte may be biased low
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs

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Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Asset Laboratories

Client's Sample ID	N069474-001D/AOC4-IDW-1		
Lab Sample ID	10713474001		
Filename	L241105A_02		
Injected By	SMT		
Total Amount Extracted	11.2 g	Matrix	SOLID
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/15/2024 12:30
ICAL ID	L240918	Received	10/28/2024 08:50
CCal Filename(s)	L241104B_16 & L241105A_17	Extracted	10/29/2024 14:00
Method Blank ID	BLANK-115408	Analyzed	11/05/2024 07:32

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	3.0	—	0.31		2,3,7,8-TCDF-13C	2.00	86
Total TCDF	13	—	0.31		2,3,7,8-TCDD-13C	2.00	73
					1,2,3,7,8-PeCDF-13C	2.00	92
2,3,7,8-TCDD	0.19	—	0.11	J	2,3,4,7,8-PeCDF-13C	2.00	93
Total TCDD	0.52	—	0.11	J	1,2,3,7,8-PeCDD-13C	2.00	107
					1,2,3,4,7,8-HxCDF-13C	2.00	75
1,2,3,7,8-PeCDF	—	0.95	0.093	Jl	1,2,3,6,7,8-HxCDF-13C	2.00	76
2,3,4,7,8-PeCDF	3.1	—	0.065	J	2,3,4,6,7,8-HxCDF-13C	2.00	75
Total PeCDF	21	—	0.065		1,2,3,7,8,9-HxCDF-13C	2.00	75
					1,2,3,4,7,8-HxCDD-13C	2.00	67
1,2,3,7,8-PeCDD	—	0.65	0.056	Jl	1,2,3,6,7,8-HxCDD-13C	2.00	80
Total PeCDD	2.4	—	0.056	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	61
					1,2,3,4,7,8,9-HpCDF-13C	2.00	67
1,2,3,4,7,8-HxCDF	2.1	—	0.14	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	69
1,2,3,6,7,8-HxCDF	1.7	—	0.13	J	OCDD-13C	4.00	48
2,3,4,6,7,8-HxCDF	2.0	—	0.13	J			
1,2,3,7,8,9-HxCDF	0.93	—	0.20	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	27	—	0.13		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	2.0	—	0.090	J	2,3,7,8-TCDD-37Cl4	0.20	80
1,2,3,6,7,8-HxCDD	7.0	—	0.081				
1,2,3,7,8,9-HxCDD	2.9	—	0.087	J			
Total HxCDD	49	—	0.081				
1,2,3,4,6,7,8-HpCDF	23	—	0.42		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	—	1.1	0.59	Jl	Equivalence: 7.9 ng/Kg		
Total HpCDF	79	—	0.42		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	280	—	0.11				
Total HpCDD	570	—	0.11				
OCDF	45	—	0.41				
OCDD	2900	—	0.11				

Conc=Concentration(Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a total weight basis and are valid to no more than 2 significant figures.

J = Estimated value

I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Asset Laboratories

Client's Sample ID	N069474-002D/AOC4-IDW-2		
Lab Sample ID	10713474002		
Filename	L241105A_03		
Injected By	SMT		
Total Amount Extracted	11.9 g	Matrix	SOLID
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/15/2024 12:50
ICAL ID	L240918	Received	10/28/2024 08:50
CCal Filename(s)	L241104B_16 & L241105A_17	Extracted	10/29/2024 14:00
Method Blank ID	BLANK-115408	Analyzed	11/05/2024 08:17

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.13	—	0.13 J		2,3,7,8-TCDF-13C	2.00	64
Total TCDF	0.54	—	0.13 J		2,3,7,8-TCDD-13C	2.00	55
					1,2,3,7,8-PeCDF-13C	2.00	71
2,3,7,8-TCDD	ND	—	0.12		2,3,4,7,8-PeCDF-13C	2.00	75
Total TCDD	ND	—	0.12		1,2,3,7,8-PeCDD-13C	2.00	87
					1,2,3,4,7,8-HxCDF-13C	2.00	57
1,2,3,7,8-PeCDF	ND	—	0.17		1,2,3,6,7,8-HxCDF-13C	2.00	57
2,3,4,7,8-PeCDF	—	0.39	0.12 JI		2,3,4,6,7,8-HxCDF-13C	2.00	59
Total PeCDF	3.3	—	0.12 J		1,2,3,7,8,9-HxCDF-13C	2.00	62
					1,2,3,4,7,8-HxCDD-13C	2.00	55
1,2,3,7,8-PeCDD	—	0.30	0.076 JI		1,2,3,6,7,8-HxCDD-13C	2.00	58
Total PeCDD	1.3	—	0.076 J		1,2,3,4,6,7,8-HpCDF-13C	2.00	55
					1,2,3,4,7,8,9-HpCDF-13C	2.00	65
1,2,3,4,7,8-HxCDF	0.69	—	0.56 J		1,2,3,4,6,7,8-HpCDD-13C	2.00	66
1,2,3,6,7,8-HxCDF	ND	—	0.55		OCDD-13C	4.00	57
2,3,4,6,7,8-HxCDF	0.77	—	0.52 J				
1,2,3,7,8,9-HxCDF	ND	—	0.68		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	9.0	—	0.52		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.0	—	0.12 J		2,3,7,8-TCDD-37Cl4	0.20	60
1,2,3,6,7,8-HxCDD	3.9	—	0.11 J				
1,2,3,7,8,9-HxCDD	1.8	—	0.11 J				
Total HxCDD	28	—	0.11				
1,2,3,4,6,7,8-HpCDF	11	—	0.25		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.59	—	0.31 J		Equivalence: 3.0 ng/Kg		
Total HpCDF	37	—	0.25		(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	130	—	0.15				
Total HpCDD	260	—	0.15				
OCDF	18	—	0.17				
OCDD	1300	—	0.59				

Conc=Concentration(Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

ND = Not Detected

NA = Not Applicable

NC = Not Calculated

Results reported on a total weight basis and are valid to no more than 2 significant figures.

J = Estimated value

I = Isotope ratio out of specification

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Method 8290 Blank Analysis Results

Lab Sample Name	DFBLKQX	Matrix	Solid
Lab Sample ID	BLANK-115408	Dilution	NA
Filename	F241104A_13	Extracted	10/29/2024 14:00
Total Amount Extracted	20.3 g	Analyzed	11/04/2024 11:37
ICAL ID	F241015	Injected By	SMT
CCal Filename(s)	F241103A_20 & F241104A_16		

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	—	0.041	2,3,7,8-TCDF-13C	2.00	62
Total TCDF	ND	—	0.041	2,3,7,8-TCDD-13C	2.00	60
				1,2,3,7,8-PeCDF-13C	2.00	63
2,3,7,8-TCDD	ND	—	0.040	2,3,4,7,8-PeCDF-13C	2.00	65
Total TCDD	ND	—	0.040	1,2,3,7,8-PeCDD-13C	2.00	74
				1,2,3,4,7,8-HxCDF-13C	2.00	69
1,2,3,7,8-PeCDF	ND	—	0.035	1,2,3,6,7,8-HxCDF-13C	2.00	73
2,3,4,7,8-PeCDF	ND	—	0.024	2,3,4,6,7,8-HxCDF-13C	2.00	71
Total PeCDF	ND	—	0.024	1,2,3,7,8,9-HxCDF-13C	2.00	53
				1,2,3,4,7,8-HxCDD-13C	2.00	58
1,2,3,7,8-PeCDD	ND	—	0.044	1,2,3,6,7,8-HxCDD-13C	2.00	78
Total PeCDD	ND	—	0.044	1,2,3,4,6,7,8-HpCDF-13C	2.00	56
				1,2,3,4,7,8,9-HpCDF-13C	2.00	45
1,2,3,4,7,8-HxCDF	ND	—	0.039	1,2,3,4,6,7,8-HpCDD-13C	2.00	54
1,2,3,6,7,8-HxCDF	ND	—	0.039	OCDD-13C	4.00	37 RY
2,3,4,6,7,8-HxCDF	ND	—	0.041			
1,2,3,7,8,9-HxCDF	ND	—	0.094	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	—	0.039	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	—	0.15	2,3,7,8-TCDD-37Cl4	0.20	64
1,2,3,6,7,8-HxCDD	ND	—	0.15			
1,2,3,7,8,9-HxCDD	ND	—	0.15			
Total HxCDD	ND	—	0.15			
1,2,3,4,6,7,8-HpCDF	ND	—	0.11	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	—	0.15	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	—	0.11	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	—	0.16			
Total HpCDD	ND	—	0.16			
OCDF	ND	—	0.31			
OCDD	ND	—	0.45			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

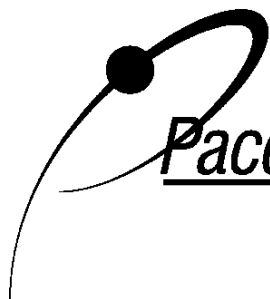
Results reported on a total weight basis and are valid to no more than 2 significant figures.

R = Recovery outside target range

Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

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Method 8290 Laboratory Control Spike Results

Lab Sample ID	LCS-115409	Matrix	Solid
Filename	F241104A_14	Dilution	NA
Total Amount Extracted	20.1 g	Extracted	10/29/2024 14:00
ICAL ID	F241015	Analyzed	11/04/2024 12:22
CCal Filename(s)	F241103A_20 & F241104A_16	Injected By	SMT
Method Blank ID	BLANK-115408		

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.22	109	2,3,7,8-TCDF-13C	2.0	65
Total TCDF				2,3,7,8-TCDD-13C	2.0	61
				1,2,3,7,8-PeCDF-13C	2.0	77
2,3,7,8-TCDD	0.20	0.23	113	2,3,4,7,8-PeCDF-13C	2.0	83
Total TCDD				1,2,3,7,8-PeCDD-13C	2.0	92
				1,2,3,4,7,8-HxCDF-13C	2.0	72
1,2,3,7,8-PeCDF	1.0	1.2	118	1,2,3,6,7,8-HxCDF-13C	2.0	74
2,3,4,7,8-PeCDF	1.0	1.1	107	2,3,4,6,7,8-HxCDF-13C	2.0	73
Total PeCDF				1,2,3,7,8,9-HxCDF-13C	2.0	57
				1,2,3,4,7,8-HxCDD-13C	2.0	60
1,2,3,7,8-PeCDD	1.0	1.0	100	1,2,3,6,7,8-HxCDD-13C	2.0	78
Total PeCDD				1,2,3,4,6,7,8-HpCDF-13C	2.0	57
				1,2,3,4,7,8,9-HpCDF-13C	2.0	49
1,2,3,4,7,8-HxCDF	1.0	1.1	109	1,2,3,4,6,7,8-HpCDD-13C	2.0	57
1,2,3,6,7,8-HxCDF	1.0	1.1	113	OCDD-13C	4.0	38 RY
2,3,4,6,7,8-HxCDF	1.0	1.1	110			
1,2,3,7,8,9-HxCDF	1.0	1.1	112	1,2,3,4-TCDD-13C	2.0	NA
Total HxCDF				1,2,3,7,8,9-HxCDD-13C	2.0	NA
1,2,3,4,7,8-HxCDD	1.0	1.2	116	2,3,7,8-TCDD-37Cl4	0.20	66
1,2,3,6,7,8-HxCDD	1.0	1.1	105			
1,2,3,7,8,9-HxCDD	1.0	1.1	111			
Total HxCDD						
1,2,3,4,6,7,8-HpCDF	1.0	1.1	115			
1,2,3,4,7,8,9-HpCDF	1.0	1.0	103			
Total HpCDF						
1,2,3,4,6,7,8-HpCDD	1.0	1.0	104			
Total HpCDD						
OCDF	2.0	2.0	99			
OCDD	2.0	2.4	118			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
R = Recovery outside of target range

Y = RF averaging used in calculations
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

REPORT OF LABORATORY ANALYSIS

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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

October 29, 2024

AETL Job No: BFJ0313

Received Date: 10/28/2024

Project Number: N069474

ASSET Laboratories
3151-3153 W. Post Rd.
Las Vegas, NV 89118
Telephone: (702) 307-2659

Attention: Sonny Lorenzo

Project Name: N069474

Site:

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Hailley Coleman
Project Manager

Approved By:

Crystal Dalton
Project Manager

Table of Contents

Client Project Name: General Testing Project Number: N069474
Work Order Number: BFJ0313

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ASSET Laboratories
3151-3153 W. Post Rd.
Las Vegas, NV 89118

AETL Job Number: BFJ0313
Project Number: N069474
Attention: Sonny Lorenzo
Project Name: N069474

Reported: 10/29/2024 16:44

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 5.2 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y

**ASSET Laboratories**

3151-3153 W Post Rd., Las Vegas, NV 89118

www.atl-labs.com

TEL: 7023072659

FAX: 7023072691

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

QC Level: Level IV**Subcontractor:**AETL
2834 North Naomi Street
Burbank, CA 91504TEL: (818) 845-8200
FAX: (818) 845-8840
Acct #:

Field Sampler: Signed

BTJ0313

26-Oct-24

BTJ0313
↓

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 1030	EPA 9014, Ch 7 Reactive CN	EPA 9030B, Ch 7 Reactive S2
N069474-001C / AOC4-IDW-1	Soil	10/15/2024 12:30:00 PM	4OZG	1	1	1
N069474-002C / AOC4-IDW-2	Soil	10/15/2024 12:50:00 PM	4OZG	1	1	1
N069474-003C / MW-20-IDW	Soil	10/15/2024 1:35:00 PM	4OZG	1	1	1

Cancelled

YRodriguez
10/28/2024**General Comments:**

PLEASE EMAIL SAMPLE RECEIPT ACKNOWLEDGEMENT TO THE PM. ALWAYS CC: sonny.lorenzo@assetlaboratories.com

Please use PO#:N69474A Please email Invoices and Account Receivable Statements to elvira@assetlaboratories.com. For questions, call Marlon at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by: RUSH 1 day TAT

Please analyze for Reactivity and Ignitability. EDD requirement Labspec7 edata.

Fedex#: 779537876206

Date/Time

Date/Time

Relinquished by: E Fanegof 10/26/2024 11:00

Received by:

Relinquished by:

Received by:

AETL Cosetale Archa 10-28-24
Aringosian
Fedex
14:15
PM

ORIGIN ID1ASA (702) 307-2659
MARLON CARTIN
ASSET LABORATORIES
3151 W POST RD
LAS VEGAS, NV 89118
UNITED STATES US

SHIP DATE: 26OCT24
ACTWGT: 10.00 LB
CAD: 102391801/INET/4535

BILL SENDER

TO **SAMPLE RECEIVING**

AETL

2834 NORTH NAOMI ST

BURBANK CA 91504

(818) 845-8200

REF:

PO:

DEPT:



J244024091001uw

1 of 1

TRK# 7795 3787 6206
[0201] # MASTER #

MON - 28 OCT 5:00P
STANDARD OVERNIGHT

XP BURA

91504

CA-US BUR



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AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

COOLER RECEIPT FORM

Client Name: Asset Laboratories				
Project Name: General Testing			Project No.: N069474	
AETL Job Number: BFJ0313				
Date Received: 10/28/2024			Received by: Greta Giragoosian	
Carrier: ☐ AETL Courier ☐ Client ☐ GSL ☒ FedEx ☐ UPS				
☐ Others:				
Samples were received in: ☒ Cooler (1) ☐ Other (Specify):				
Sample Container Temperature: 5.2 °C IR Gun S/N: 51941911MV				
Type of sample containers: ☐ VOA, ☐ Glass bottles, ☒ Wide mouth jars, ☐ HDPE bottles, ☐ Metal sleeves, ☐ Acetate sleeves, ☐ 5035 Kit: ☐ AETL or ☐ Client, ☐ Tedlar Bags, Summa Canister: ☐ 6L, ☐ 3L, ☐ 1L, Others (Specify):				
How are samples preserved: ☐ None, ☒ Ice, ☐ Blue Ice, ☐ Dry Ice				
☒ None, ☐ HNO ₃ , ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ Na ₂ S ₂ O ₃ , ☐ MeOH, ☐ NaHSO ₄				
☐ Other (Specify):				
	Yes	No*	N/A	Note or Comment
1. Are the COCs Correct?	✓			
2. Are Sample labels legible & indelible ink?	✓			
3. Do samples match the COC?	✓			
4. Are the required analyses clear?	✓			
5. Is there enough samples for required analysis?	✓			
6. Does cooler or samples have custody seal(s)?	✓			
7. Are sample containers intact and in good condition?	✓			
8. Are samples preserved?	✓			
9. Are samples preserved properly for the intended analysis?	✓			
10. Are the VOAs free of headspace? See footnote.			✓	
11. Are the jars free of headspace?			✓	
12. Are there any samples with short hold times?		✓		
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

○ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.



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ASSET Laboratories
3151-3153 W. Post Rd.
Las Vegas, NV 89118

AETL Job Number: BfJ0313
Project Number: N069474
Attention: Sonny Lorenzo
Project Name: N069474

Reported: 10/29/2024 16:44

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

No analytical non-conformances were encountered.



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AETL Job Number: BFJ0313
Project Number: N069474
Attention: Sonny Lorenzo
Project Name: N069474

Reported: 10/29/2024 16:44

Samples Received

AETL received the following samples on 10/28/2024 with the following specifications

Client ID		Sample Date	
N069474-001C / AOC4-IDW-1		10/15/2024 12:30	
Lab ID	Matrix	Quantity of Containers	
BFJ0313-01	Soil	1	
Analysis	Units	TAT	
EPA 1030	mm/sec	1	
Client ID		Sample Date	
N069474-002C / AOC4-IDW-2		10/15/2024 12:50	
Lab ID	Matrix	Quantity of Containers	
BFJ0313-02	Soil	1	
Analysis	Units	TAT	
EPA 1030	mm/sec	1	
Client ID		Sample Date	
N069474-003C / MW-20-IDW		10/15/2024 13:35	
Lab ID	Matrix	Quantity of Containers	
BFJ0313-03	Soil	1	
Analysis	Units	TAT	
EPA 1030	mm/sec	1	
Total Number of Samples received:			3



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AETL Job Number: BFJ0313
Project Number: N069474
Attention: Sonny Lorenzo
Project Name: N069474

Reported: 10/29/2024 16:44

Positive Hits Summary

Lab ID	Client ID					Sampled
Method	Analyte	Result	Qualifier	Unit		Analyzed

No positive results reported



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AETL Job Number: BFJ0313
Project Number: N069474
Attention: Sonny Lorenzo
Project Name: N069474

Reported: 10/29/2024 16:44

Analytical Results

Client ID: N069474-001C / AOC4-IDW-1

Lab ID: BFJ0313-01 (Soil)

Sampled: 10/15/24 12:30

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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Wet Chemistry Analysis

Method: EPA 1030

Burn Rate	<1.00		1	1.00	mm/sec	10/29/24 12:00	10/29/24 12:00	B4J0418	CPI	1030
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Las Vegas, NV 89118

AETL Job Number: BFJ0313
Project Number: N069474
Attention: Sonny Lorenzo
Project Name: N069474

Reported: 10/29/2024 16:44

Analytical Results

Client ID: N069474-002C / AOC4-IDW-2

Lab ID: BFJ0313-02 (Soil)

Sampled: 10/15/24 12:50

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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Wet Chemistry Analysis

Method: EPA 1030

Burn Rate	<1.00		1	1.00	mm/sec	10/29/24 12:00	10/29/24 12:00	B4J0418	CPi	1030
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AETL Job Number: BFJ0313
Project Number: N069474
Attention: Sonny Lorenzo
Project Name: N069474

Reported: 10/29/2024 16:44

Analytical Results

Client ID: N069474-003C / MW-20-IDW

Lab ID: BFJ0313-03 (Soil)

Sampled: 10/15/24 13:35

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
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Wet Chemistry Analysis

Method: EPA 1030

Burn Rate	<1.00		1	1.00	mm/sec	10/29/24 12:00	10/29/24 12:00	B4J0418	CPI	1030
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Project Number: N069474
Attention: Sonny Lorenzo
Project Name: N069474

Reported: 10/29/2024 16:44

Quality Control Results

Wet Chemistry Analysis (EPA 1030)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B4J0418 - 1030				Prepared: 10/29/2024 12:00						
Duplicate (B4J0418-DUP1)				Analyzed: 10/29/2024 12:00						
Burn Rate	<1.00	1.00	mm/sec		ND				15	



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AETL Job Number: BFJ0313
Project Number: N069474
Attention: Sonny Lorenzo
Project Name: N069474

Reported: 10/29/2024 16:44

Qualifiers and Definitions

ITEM	Definitions
% wt	Percent Weight
%REC	Percent Recovery
*	Value outside of control limits.
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
Cresols	3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol.
CRM	Certified Reference Material
DI	Deionized Water
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No



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ASSET Laboratories
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AETL Job Number: BFJ0313
Project Number: N069474
Attention: Sonny Lorenzo
Project Name: N069474

Reported: 10/29/2024 16:44

ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
ppb v	Parts per billion by volume
ppmC	Parts per million Carbon
PSU	Practical Salinity Unit
Q	Qualifier Column
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction

October 31, 2024

Christina Hong
JACOBS
155 Grand Avenue, Suite 1000
Oakland, CA 94612
TEL: (626) 297-5292
FAX:

Workorder No.: N069474

RE: PG&E Topock Compressor Station

Attention: Christina Hong

Enclosed are the results for sample(s) received on October 25, 2024 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

The reported results relate only to the samples as received and parameters tested by the laboratory.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "Nancy Sibucan", followed by the word "for" in a small font.

Nancy Sibucan
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - Las Vegas.



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ORELAP Cert 4046

CLIENT: JACOBS
Project: PG&E Topock Compressor Station
Lab Order: N069474

CASE NARRATIVE**SAMPLE RECEIVING/GENERAL COMMENTS:**

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Samples for reactivity analysis were cancelled because the samples for reactive sulfide were received past holding time.

Subcontracted Analyses:

Ignitability was subcontracted to AETL - Burbank, CA.

Dioxins and Furans was subcontracted to Pace Analytical Services, Inc - Minneapolis, MN.

Analytical Comments for EPA 6010B:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for Antimony and Barium in QC samples N069474-001A-MS and N069474-001A-MSD possibly due to matrix interference. Post Spike passed acceptance criteria. The associated Laboratory Control Sample (LCS) recovery was acceptable.

Analytical Comments for EPA 8082:

Surrogate, Tetrachloro-m-xylene, recovery biased high possibly due to matrix interferences. Sample results were non-detect (ND) for analytes of interest. The other surrogate was recovered within control limits.

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Date: 31-Oct-24

CLIENT: JACOBS
Project: PG&E Topock Compressor Station
Lab Order: N069474
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N069474-001A	AOC4-IDW-1	Soil	10/15/2024 12:30:00 PM	10/25/2024	10/31/2024
N069474-001B	AOC4-IDW-1	Soil	10/15/2024 12:30:00 PM	10/25/2024	10/31/2024
N069474-001C	AOC4-IDW-1	Soil	10/15/2024 12:30:00 PM	10/25/2024	10/31/2024
N069474-001D	AOC4-IDW-1	Soil	10/15/2024 12:30:00 PM	10/25/2024	10/31/2024
N069474-001E	AOC4-IDW-1	Soil	10/15/2024 12:30:00 PM	10/25/2024	10/31/2024
N069474-001F	AOC4-IDW-1	Soil	10/15/2024 12:30:00 PM	10/25/2024	10/31/2024
N069474-001G	AOC4-IDW-1	Soil	10/15/2024 12:30:00 PM	10/25/2024	10/31/2024
N069474-001H	AOC4-IDW-1	Soil	10/15/2024 12:30:00 PM	10/25/2024	10/31/2024
N069474-002A	AOC4-IDW-2	Soil	10/15/2024 12:50:00 PM	10/25/2024	10/31/2024
N069474-002B	AOC4-IDW-2	Soil	10/15/2024 12:50:00 PM	10/25/2024	10/31/2024
N069474-002C	AOC4-IDW-2	Soil	10/15/2024 12:50:00 PM	10/25/2024	10/31/2024
N069474-002D	AOC4-IDW-2	Soil	10/15/2024 12:50:00 PM	10/25/2024	10/31/2024
N069474-002E	AOC4-IDW-2	Soil	10/15/2024 12:50:00 PM	10/25/2024	10/31/2024
N069474-002F	AOC4-IDW-2	Soil	10/15/2024 12:50:00 PM	10/25/2024	10/31/2024
N069474-002G	AOC4-IDW-2	Soil	10/15/2024 12:50:00 PM	10/25/2024	10/31/2024
N069474-002H	AOC4-IDW-2	Soil	10/15/2024 12:50:00 PM	10/25/2024	10/31/2024
N069474-003A	MW-20-IDW	Soil	10/15/2024 1:35:00 PM	10/25/2024	10/31/2024
N069474-003B	MW-20-IDW	Soil	10/15/2024 1:35:00 PM	10/25/2024	10/31/2024
N069474-003C	MW-20-IDW	Soil	10/15/2024 1:35:00 PM	10/25/2024	10/31/2024
N069474-003D	MW-20-IDW	Soil	10/15/2024 1:35:00 PM	10/25/2024	10/31/2024
N069474-003E	MW-20-IDW	Soil	10/15/2024 1:35:00 PM	10/25/2024	10/31/2024
N069474-003F	MW-20-IDW	Soil	10/15/2024 1:35:00 PM	10/25/2024	10/31/2024

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ANALYTICAL RESULTS

Print Date: 31-Oct-24

CLIENT: JACOBS Client Sample ID: AOC4-IDW-1
 Lab Order: N069474
 Project: PG&E Topock Compressor Station Collection Date: 10/15/2024 12:30:00 PM
 Lab ID: N069474-001 Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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TOTAL METALS BY ICP

EPA 3050B

EPA 6010B

RunID: NV00922-ICP4_241027D	QC Batch: 113616	PrepDate: 10/26/2024	Analyst: DJ			
Antimony	ND	0.33	2.0	mg/Kg	1	10/28/2024 12:36 AM
Arsenic	3.4	0.30	0.50	mg/Kg	1	10/28/2024 12:36 AM
Barium	200	0.21	1.0	mg/Kg	1	10/28/2024 12:36 AM
Beryllium	ND	0.085	1.0	mg/Kg	1	10/28/2024 12:36 AM
Cadmium	ND	0.12	1.0	mg/Kg	1	10/28/2024 12:36 AM
Chromium	56	0.27	1.0	mg/Kg	1	10/28/2024 12:36 AM
Cobalt	16	0.23	1.0	mg/Kg	1	10/28/2024 12:36 AM
Copper	27	0.12	2.0	mg/Kg	1	10/28/2024 12:36 AM
Lead	7.0	0.19	1.0	mg/Kg	1	10/28/2024 12:36 AM
Molybdenum	ND	0.13	1.0	mg/Kg	1	10/28/2024 12:36 AM
Nickel	44	0.29	1.0	mg/Kg	1	10/28/2024 12:36 AM
Selenium	ND	0.55	1.0	mg/Kg	1	10/28/2024 12:36 AM
Silver	ND	0.18	1.0	mg/Kg	1	10/28/2024 12:36 AM
Thallium	ND	0.25	2.0	mg/Kg	1	10/28/2024 12:36 AM
Vanadium	55	0.15	1.0	mg/Kg	1	10/28/2024 12:36 AM
Zinc	53	0.80	1.0	mg/Kg	1	10/28/2024 12:36 AM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out (M) Test is modified



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ANALYTICAL RESULTS

Print Date: 31-Oct-24

CLIENT:	JACOBS	Client Sample ID:	AOC4-IDW-2
Lab Order:	N069474		
Project:	PG&E Topock Compressor Station	Collection Date:	10/15/2024 12:50:00 PM
Lab ID:	N069474-002	Matrix:	SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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TOTAL METALS BY ICP

EPA 3050B

EPA 6010B

RunID: NV00922-ICP4_241027D	QC Batch: 113616	PrepDate: 10/26/2024	Analyst: DJ			
Antimony	ND	0.33	2.0	mg/Kg	1	10/28/2024 12:52 AM
Arsenic	6.5	0.30	0.50	mg/Kg	1	10/28/2024 12:52 AM
Barium	160	0.21	1.0	mg/Kg	1	10/28/2024 12:52 AM
Beryllium	ND	0.085	1.0	mg/Kg	1	10/28/2024 12:52 AM
Cadmium	ND	0.12	1.0	mg/Kg	1	10/28/2024 12:52 AM
Chromium	61	0.27	1.0	mg/Kg	1	10/28/2024 12:52 AM
Cobalt	15	0.23	1.0	mg/Kg	1	10/28/2024 12:52 AM
Copper	25	0.12	2.0	mg/Kg	1	10/28/2024 12:52 AM
Lead	5.1	0.19	1.0	mg/Kg	1	10/28/2024 12:52 AM
Molybdenum	ND	0.13	1.0	mg/Kg	1	10/28/2024 12:52 AM
Nickel	43	0.29	1.0	mg/Kg	1	10/28/2024 12:52 AM
Selenium	ND	0.55	1.0	mg/Kg	1	10/28/2024 12:52 AM
Silver	ND	0.18	1.0	mg/Kg	1	10/28/2024 12:52 AM
Thallium	ND	0.25	2.0	mg/Kg	1	10/28/2024 12:52 AM
Vanadium	59	0.16	1.0	mg/Kg	1	10/28/2024 12:52 AM
Zinc	51	0.80	1.0	mg/Kg	1	10/28/2024 12:52 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out	(M)	Test is modified



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ORELAP Cert 4046

“Serving Clients with Passion and Professionalism”

CLIENT: JACOBS
 Work Order: N069474
 Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPGE_TPK

Sample ID	MB-113616	SampType:	MBLK	TestCode:	6010_SPGE_	Units:	mg/Kg	Prep Date:	10/26/2024	RunNo:	194840		
Client ID:	PBS	Batch ID:	113616	TestNo:	EPA 6010B	EPA 3050B		Analysis Date:	10/27/2024	SeqNo:	6266035		
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val			Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.33	2.0										
Arsenic	ND	0.30	0.50										
Barium	ND	0.21	1.0										
Beryllium	ND	0.085	1.0										
Cadmium	ND	0.12	1.0										
Chromium	ND	0.27	1.0										
Cobalt	ND	0.23	1.0										
Copper	ND	0.12	2.0										
Lead	ND	0.19	1.0										
Molybdenum	ND	0.13	1.0										
Nickel	ND	0.29	1.0										
Selenium	ND	0.55	1.0										
Silver	ND	0.18	1.0										
Thallium	ND	0.25	2.0										
Vanadium	ND	0.16	1.0										
Zinc	ND	0.80	1.0										

Sample ID	LCS-113616	SampType:	LCS	TestCode:	6010_SPGE_	Units:	mg/Kg	Prep Date:	10/26/2024	RunNo:	194840	
Client ID:	LCSS	Batch ID:	113616	TestNo:	EPA 6010B	EPA 3050B		Analysis Date:	10/28/2024	SeqNo:	6266036	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	24.563	0.33	2.0	25.00	0	98.2	85	115				
Arsenic	24.139	0.30	0.50	25.00	0	96.6	85	115				
Barium	24.961	0.21	1.0	25.00	0	99.8	85	115				
Beryllium	24.388	0.085	1.0	25.00	0	97.6	85	115				
Cadmium	24.052	0.12	1.0	25.00	0	96.2	85	115				
Chromium	24.652	0.27	1.0	25.00	0	98.6	85	115				
Cobalt	24.394	0.23	1.0	25.00	0	97.6	85	115				

Qualifiers:

B Analyte detected in the associated Method Blank
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 (M) Test is modified

Calculations are based on raw values



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"Serving Clients with Passion and Professionalism"

CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPGE_TPK

Sample ID	LCS-113616	SampType:	LCS	TestCode:	6010_SPGE_	Units:	mg/Kg	Prep Date:	10/26/2024	RunNo:	194840	
Client ID:	LCSS	Batch ID:	113616	TestNo:	EPA 6010B	EPA 3050B		Analysis Date:	10/28/2024	SeqNo:	6266036	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	24.510	0.12	2.0	25.00	0	98.0	85	115				
Lead	24.500	0.19	1.0	25.00	0	98.0	85	115				
Molybdenum	24.593	0.13	1.0	25.00	0	98.4	85	115				
Nickel	24.351	0.29	1.0	25.00	0	97.4	85	115				
Selenium	24.474	0.55	1.0	25.00	0	97.9	85	115				
Silver	26.662	0.18	1.0	25.00	0	107	85	115				
Thallium	24.665	0.25	2.0	25.00	0	98.7	85	115				
Vanadium	24.602	0.16	1.0	25.00	0	98.4	85	115				
Zinc	24.103	0.80	1.0	25.00	0	96.4	85	115				

Sample ID	N069474-001A-MS	SampType:	MS	TestCode:	6010_SPGE_	Units:	mg/Kg	Prep Date:	10/26/2024	RunNo:	194840	
Client ID:	ZZZZZZ	Batch ID:	113616	TestNo:	EPA 6010B	EPA 3050B		Analysis Date:	10/28/2024	SeqNo:	6266055	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	17.724	0.33	2.0	24.99	0.8080	67.7	75	125				S
Arsenic	25.725	0.30	0.50	24.99	3.381	89.4	75	125				
Barium	210.386	0.21	1.0	24.99	195.0	61.5	75	125				S
Beryllium	23.000	0.085	1.0	24.99	0.3322	90.7	75	125				
Cadmium	21.179	0.12	1.0	24.99	0.1476	84.2	75	125				
Chromium	78.703	0.27	1.0	24.99	56.18	90.1	75	125				
Cobalt	35.013	0.23	1.0	24.99	15.96	76.2	75	125				
Copper	56.475	0.12	2.0	24.99	26.71	119	75	125				
Lead	28.797	0.19	1.0	24.99	7.012	87.2	75	125				
Molybdenum	23.755	0.13	1.0	24.99	0.3277	93.8	75	125				
Nickel	63.559	0.29	1.0	24.99	43.54	80.1	75	125				
Selenium	20.998	0.55	1.0	24.99	0.9521	80.2	75	125				
Silver	28.872	0.18	1.0	24.99	0	116	75	125				
Thallium	21.303	0.25	2.0	24.99	0	85.3	75	125				
Vanadium	79.686	0.15	1.0	24.99	55.09	98.4	75	125				
Zinc	76.178	0.80	1.0	24.99	53.21	91.9	75	125				

Qualifiers:

- | | | | | | |
|----|---|--------------------------------------|--------------------------------------|-----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | Calculations are based on raw values | | (M) | Test is modified |



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CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

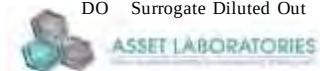
ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPGE_TPK

Sample ID	N069474-001A-MSD	SampType: MSD	TestCode: 6010_SPGE_		Units: mg/Kg		Prep Date: 10/26/2024			RunNo: 194840			
Client ID:	ZZZZZZ	Batch ID: 113616	TestNo: EPA 6010B		EPA 3050B		Analysis Date: 10/28/2024			SeqNo: 6266056			
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD	Ref Val	%RPD	RPDLimit	Qual
Antimony	17.491	0.33	2.0	24.96	0.8080	66.8	75	125		17.72	1.33	20	S
Arsenic	26.103	0.30	0.50	24.96	3.381	91.0	75	125		25.72	1.46	20	
Barium	211.630	0.21	1.0	24.96	195.0	66.5	75	125		210.4	0.590	20	S
Beryllium	23.368	0.085	1.0	24.96	0.3322	92.3	75	125		23.00	1.59	20	
Cadmium	21.478	0.12	1.0	24.96	0.1476	85.4	75	125		21.18	1.40	20	
Chromium	80.177	0.27	1.0	24.96	56.18	96.1	75	125		78.70	1.86	20	
Cobalt	35.969	0.23	1.0	24.96	15.96	80.1	75	125		35.01	2.69	20	
Copper	56.725	0.12	2.0	24.96	26.71	120	75	125		56.47	0.442	20	
Lead	29.059	0.19	1.0	24.96	7.012	88.3	75	125		28.80	0.907	20	
Molybdenum	24.044	0.13	1.0	24.96	0.3277	95.0	75	125		23.75	1.21	20	
Nickel	64.572	0.29	1.0	24.96	43.54	84.3	75	125		63.56	1.58	20	
Selenium	21.380	0.55	1.0	24.96	0.9521	81.8	75	125		21.00	1.81	20	
Silver	29.446	0.18	1.0	24.96	0	118	75	125		28.87	1.97	20	
Thallium	21.524	0.25	2.0	24.96	0	86.2	75	125		21.30	1.03	20	
Vanadium	78.737	0.15	1.0	24.96	55.09	94.7	75	125		79.69	1.20	20	
Zinc	74.288	0.80	1.0	24.96	53.21	84.4	75	125		76.18	2.51	20	

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|-----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | (M) | Test is modified |



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CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPGE_TPK

Sample ID	N069474-001A-PS	SampType:	PS	TestCode:	6010_SPGE_	Units:	mg/Kg	Prep Date:		RunNo:	194840	
Client ID:	ZZZZZZ	Batch ID:	113616	TestNo:	EPA 6010B	EPA 3050B		Analysis Date:	10/28/2024	SeqNo:	6266054	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	26.392	0.33	2.0	24.94	0.8080	103	75	125				
Arsenic	28.295	0.30	0.50	24.94	3.381	99.9	75	125				
Barium	220.547	0.21	1.0	24.94	195.0	102	75	125				
Beryllium	25.012	0.085	1.0	24.94	0.3322	99.0	75	125				
Cadmium	23.023	0.12	1.0	24.94	0.1476	91.7	75	125				
Chromium	80.887	0.27	1.0	24.94	56.18	99.1	75	125				
Cobalt	39.698	0.23	1.0	24.94	15.96	95.2	75	125				
Copper	57.729	0.12	2.0	24.94	26.71	124	75	125				
Lead	31.236	0.19	1.0	24.94	7.012	97.1	75	125				
Molybdenum	26.296	0.13	1.0	24.94	0.3277	104	75	125				
Nickel	67.617	0.29	1.0	24.94	43.54	96.6	75	125				
Selenium	23.556	0.55	1.0	24.94	0.9521	90.6	75	125				
Silver	26.722	0.18	1.0	24.94	0	107	75	125				
Thallium	23.368	0.25	2.0	24.94	0	93.7	75	125				
Vanadium	80.873	0.15	1.0	24.94	55.09	103	75	125				
Zinc	79.235	0.80	1.0	24.94	53.21	104	75	125				

Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

E Value above quantitation range

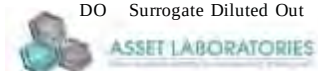
R RPD outside accepted recovery limits

Calculations are based on raw values

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

(M) Test is modified



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ANALYTICAL RESULTS

Print Date: 31-Oct-24

CLIENT: JACOBS

Client Sample ID: AOC4-IDW-1

Lab Order: N069474

Project: PG&E Topock Compressor Station

Collection Date: 10/15/2024 12:30:00 PM

Lab ID: N069474-001

Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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TOTAL MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: NV00922-AA2_241027A

QC Batch: 113618

PrepDate: 10/26/2024

Analyst: DJ

Mercury

ND

0.034

0.10

mg/Kg

1

10/28/2024 03:26 AM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified
(M) Test is modified



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ASSET Laboratories

ANALYTICAL RESULTS

Print Date: 31-Oct-24

CLIENT: JACOBS Client Sample ID: AOC4-IDW-2
Lab Order: N069474
Project: PG&E Topock Compressor Station Collection Date: 10/15/2024 12:50:00 PM
Lab ID: N069474-002 Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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TOTAL MERCURY BY COLD VAPOR TECHNIQUE

EPA 7471A

RunID: NV00922-AA2_241027A QC Batch: 113618 PrepDate: 10/26/2024 Analyst: DJ
Mercury ND 0.034 0.099 mg/Kg 1 10/28/2024 03:29 AM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out (M) Test is modified



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CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S_PGE

Sample ID	MB-113618	SampType:	MBLK	TestCode:	7471_S_PGE	Units:	mg/Kg	Prep Date:	10/26/2024	RunNo:	194847		
Client ID:	PBS	Batch ID:	113618	TestNo:	EPA 7471A			Analysis Date:	10/28/2024	SeqNo:	6266209		
Analyte		Result	MDL	PQL	SPK value	SPK Ref Val		Low %REC Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND	0.034	0.10									

Sample ID	LCS-113618	SampType:	LCS	TestCode:	7471_S_PGE	Units:	mg/Kg	Prep Date:	10/26/2024	RunNo:	194847		
Client ID:	LCSS	Batch ID:	113618	TestNo:	EPA 7471A			Analysis Date:	10/28/2024	SeqNo:	6266210		
Analyte		Result	MDL	PQL	SPK value	SPK Ref Val		Low %REC Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.427	0.034	0.10	0.4167	0		102	75	125			

Sample ID	N069474-002A-MS	SampType:	MS	TestCode:	7471_S_PGE	Units:	mg/Kg	Prep Date:	10/26/2024	RunNo:	194847		
Client ID:	ZZZZZZ	Batch ID:	113618	TestNo:	EPA 7471A			Analysis Date:	10/28/2024	SeqNo:	6266232		
Analyte		Result	MDL	PQL	SPK value	SPK Ref Val		Low %REC Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.417	0.034	0.099	0.4139	0		101	75	125			

Sample ID	N069474-002A-MSD	SampType:	MSD	TestCode:	7471_S_PGE	Units:	mg/Kg	Prep Date:	10/26/2024	RunNo:	194847		
Client ID:	ZZZZZZ	Batch ID:	113618	TestNo:	EPA 7471A			Analysis Date:	10/28/2024	SeqNo:	6266233		
Analyte		Result	MDL	PQL	SPK value	SPK Ref Val		Low %REC Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.421	0.034	0.10	0.4160	0		101	75	125	0.4170	1.03	20

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values	(M)	Test is modified



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CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S_PGE

Sample ID	MB-113644	SampType:	MBLK	TestCode:	7471_S_PGE	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194865			
Client ID:	PBS	Batch ID:	113644	TestNo:	EPA 7471A			Analysis Date:	10/28/2024	SeqNo:	6267450			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.034 0.10

Sample ID	LCS-113644	SampType:	LCS	TestCode:	7471_S_PGE	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194865		
Client ID:	LCSS	Batch ID:	113644	TestNo:	EPA 7471A			Analysis Date:	10/28/2024	SeqNo:	6267451		
Analyte		Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.466 0.034 0.10 0.4167 0 112 75 125

Sample ID	N069442-001A-DUP	SampType:	DUP	TestCode:	7471_S_PGE	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194865			
Client ID:	ZZZZZZ	Batch ID:	113644	TestNo:	EPA 7471A			Analysis Date:	10/28/2024	SeqNo:	6267453			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.963 0.034 0.099 0.9435 2.03 20

Sample ID	N069468-001A-DUP	SampType:	DUP	TestCode:	7471_S_PGE	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194865			
Client ID:	ZZZZZZ	Batch ID:	113644	TestNo:	EPA 7471A			Analysis Date:	10/28/2024	SeqNo:	6267455			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

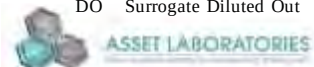
Mercury 1.251 0.034 0.10 1.252 0.0596 20

Sample ID	N069474-003A-DUP	SampType:	DUP	TestCode:	7471_S_PGE	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194865			
Client ID:	ZZZZZZ	Batch ID:	113644	TestNo:	EPA 7471A			Analysis Date:	10/28/2024	SeqNo:	6267464			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.396 0.034 0.10 0.3726 6.10 20

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|-----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | (M) | Test is modified |



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CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S_PGE

Sample ID	N069468-002A-MS	SampType:	MS	TestCode:	7471_S_PGE	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194865			
Client ID:	ZZZZZZ	Batch ID:	113644	TestNo:	EPA 7471A			Analysis Date:	10/28/2024	SeqNo:	6267465			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	1.392	0.034	0.10	0.4146	1.053	81.6	75	125						
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Sample ID	N069468-002A-MSD	SampType:	MSD	TestCode:	7471_S_PGE	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194865			
Client ID:	ZZZZZZ	Batch ID:	113644	TestNo:	EPA 7471A			Analysis Date:	10/28/2024	SeqNo:	6267466			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	1.459	0.034	0.10	0.4146	1.053	98.0	75	125	1.392	4.75	20			
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Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|-----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | (M) | Test is modified |



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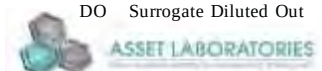
CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT**TestCode:** 7471_S_PGE

Sample ID	N069474-002A-PS	SampType:	PS	TestCode:	7471_S_PGE	Units:	mg/Kg	Prep Date:		RunNo:	194847			
Client ID:	ZZZZZZ	Batch ID:	113618	TestNo:	EPA 7471A			Analysis Date:	10/28/2024	SeqNo:	6266231			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.432		0.034	0.099	0.4139	0	104	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values	(M)	Test is modified

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CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S_PGE

Sample ID	N069468-002A-PS	SampType:	PS	TestCode:	7471_S_PGE	Units:	mg/Kg	Prep Date:		RunNo:	194865			
Client ID:	ZZZZZZ	Batch ID:	113644	TestNo:	EPA 7471A			Analysis Date:	10/28/2024	SeqNo:	6267458			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		1.435		0.034	0.099	0.4126	1.053	92.5	85	115				

Qualifiers:

- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- R

RPD outside accepted recovery limits
- S

Spike/Surrogate outside of limits due to matrix interference
- DO

Surrogate Diluted Out
- Calculations are based on raw values
- (M)

Test is modified

ASSET Laboratories

ANALYTICAL RESULTS

Print Date: 31-Oct-24

CLIENT: JACOBS Client Sample ID: AOC4-IDW-1
Lab Order: N069474
Project: PG&E Topock Compressor Station Collection Date: 10/15/2024 12:30:00 PM
Lab ID: N069474-001 Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID							
EPA 3550B				EPA 8015B			
RunID: NV00922-GC1_241028A	QC Batch: 113633		PrepDate: 10/28/2024		Analyst: MP		
TPH-Diesel (C9-C25)	14	6.6	10		mg/Kg	1	10/29/2024 11:21 PM
TPH-Oil (C24-C40)	ND	6.6	10		mg/Kg	1	10/29/2024 11:21 PM
Surr: Octacosane	94.8	0	25-162		%REC	1	10/29/2024 11:21 PM
Surr: p-Terphenyl	103	0	47-142		%REC	1	10/29/2024 11:21 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out (M) Test is modified



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ANALYTICAL RESULTS

Print Date: 31-Oct-24

CLIENT: JACOBS

Client Sample ID: AOC4-IDW-2

Lab Order: N069474

Project: PG&E Topock Compressor Station

Collection Date: 10/15/2024 12:50:00 PM

Lab ID: N069474-002

Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B

RunID: NV00922-GC1_241028A

QC Batch: 113633

PrepDate: 10/28/2024

Analyst: MP

TPH-Diesel (C9-C25)

ND 6.6

10

mg/Kg

1

10/29/2024 12:46 AM

TPH-Oil (C24-C40)

ND 6.6

10

mg/Kg

1

10/29/2024 12:46 AM

Surr: Octacosane

91.7 0

25-162

%REC

1

10/29/2024 12:46 AM

Surr: p-Terphenyl

100 0

47-142

%REC

1

10/29/2024 12:46 AM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified
(M) Test is modified



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CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT**TestCode: 8015DM_SPGE**

Sample ID	MB-113633	SampType:	MBLK	TestCode:	8015DM_SPG	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194889	
Client ID:	PBS	Batch ID:	113633	TestNo:	EPA 8015B	EPA 3550B		Analysis Date:	10/28/2024	SeqNo:	6268792	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH-Diesel (C9-C25)	ND	6.6	10									
TPH-Oil (C24-C40)	ND	6.6	10									
Surr: Octacosane	26.000	0		26.67		97.5	25	162				
Surr: p-Terphenyl	28.196	0		26.67		106	47	142				

Sample ID	LCS-113633	SampType:	LCS	TestCode:	8015DM_SPG	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194889			
Client ID:	LCSS	Batch ID:	113633	TestNo:	EPA 8015B	EPA 3550B		Analysis Date:	10/28/2024	SeqNo:	6268793			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH-Diesel (C9-C25)	299.428	6.6	10	333.3	0	89.8	51	153				
Surr: Octacosane	26.483	0		26.67		99.3	25	162				
Surr: p-Terphenyl	28.339	0		26.67		106	47	142				

Sample ID	LCS-113633_ORO	SampType:	LCS	TestCode:	8015DM_SPG	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194889			
Client ID:	LCSS	Batch ID:	113633	TestNo:	EPA 8015B	EPA 3550B		Analysis Date:	10/28/2024	SeqNo:	6268794			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH-Oil (C24-C40)	292.255	6.6	10	333.3	0	87.7	60	120				
Surr: Octacosane	26.404	0		26.67		99.0	25	162				
Surr: p-Terphenyl	28.222	0		26.67		106	47	142				

Sample ID	N069474-001B-MS	SampType:	MS	TestCode:	8015DM_SPG	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194889	
Client ID:	ZZZZZZ	Batch ID:	113633	TestNo:	EPA 8015B	EPA 3550B		Analysis Date:	10/29/2024	SeqNo:	6268810	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH-Diesel (C9-C25)	272.772	6.7	10	333.8	14.11	77.5	51	153				
Surr: Octacosane	25.840	0		26.71		96.8	25	162				
Surr: p-Terphenyl	27.390	0		26.71		103	47	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values	(M)	Test is modified



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CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015DM_SPGE

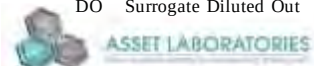
Sample ID	N069474-001B-MSD	SampType: MSD	TestCode: 8015DM_SPG	Units: mg/Kg	Prep Date: 10/28/2024	RunNo: 194889
Client ID:	ZZZZZZ	Batch ID: 113633	TestNo: EPA 8015B EPA 3550B	Analysis Date: 10/29/2024	SeqNo: 6268811	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC Low Limit High Limit RPD Ref Val %RPD RPDLimit Qual
TPH-Diesel (C9-C25)	298.031	6.6	10	332.9	14.11	85.3 51 153 272.8 8.85 50
Surr: Octacosane	26.424	0		26.63		99.2 25 162 0
Surr: p-Terphenyl	27.964	0		26.63		105 47 142 0

Sample ID	N069474-002B-MS	SampType: MS	TestCode: 8015DM_SPG	Units: mg/Kg	Prep Date: 10/28/2024	RunNo: 194889
Client ID:	ZZZZZZ	Batch ID: 113633	TestNo: EPA 8015B EPA 3550B	Analysis Date: 10/29/2024	SeqNo: 6268813	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC Low Limit High Limit RPD Ref Val %RPD RPDLimit Qual
TPH-Oil (C24-C40)	293.046	6.6	10	333.2	0	87.9 60 120
Surr: Octacosane	25.763	0		26.66		96.6 25 162
Surr: p-Terphenyl	27.724	0		26.66		104 47 142

Sample ID	N069474-002B-MSD	SampType: MSD	TestCode: 8015DM_SPG	Units: mg/Kg	Prep Date: 10/28/2024	RunNo: 194889
Client ID:	ZZZZZZ	Batch ID: 113633	TestNo: EPA 8015B EPA 3550B	Analysis Date: 10/29/2024	SeqNo: 6268814	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC Low Limit High Limit RPD Ref Val %RPD RPDLimit Qual
TPH-Oil (C24-C40)	274.591	6.6	10	333.7	0	82.3 60 120 293.0 6.50 50
Surr: Octacosane	25.614	0		26.70		95.9 25 162 0
Surr: p-Terphenyl	27.442	0		26.70		103 47 142 0

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|-----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | (M) | Test is modified |



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ANALYTICAL RESULTS

Print Date: 31-Oct-24

CLIENT: JACOBS Client Sample ID: AOC4-IDW-1
Lab Order: N069474
Project: PG&E Topock Compressor Station Collection Date: 10/15/2024 12:30:00 PM
Lab ID: N069474-001 Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B

RunID: NV00922-GC4_241026A	QC Batch: E24VS147	PrepDate:	Analyst: LB
TPH-Gasoline (C6-C12)	ND 510 1000	ug/Kg	1 10/26/2024 10:54 PM
Surr: Chlorobenzene - d5	64.9 0 64-148	%REC	1 10/26/2024 10:54 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out (M) Test is modified



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ANALYTICAL RESULTS

Print Date: 31-Oct-24

CLIENT: JACOBS

Client Sample ID: AOC4-IDW-2

Lab Order: N069474

Project: PG&E Topock Compressor Station

Collection Date: 10/15/2024 12:50:00 PM

Lab ID: N069474-002

Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B

RunID: NV00922-GC4_241026A

QC Batch: E24VS147

PrepDate:

Analyst: LB

TPH-Gasoline (C6-C12)

ND

510

1000

ug/Kg

1

10/26/2024 11:26 PM

Surr: Chlorobenzene - d5

80.5

0

64-148

%REC

1

10/26/2024 11:26 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified
(M) Test is modified



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CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_SPGE

Sample ID	E241026LCS	SampType:	LCS	TestCode:	8015GAS_SP	Units:	ug/Kg	Prep Date:		RunNo:	194825	
Client ID:	LCSS	Batch ID:	E24VS147	TestNo:	EPA 8015B			Analysis Date:	10/26/2024	SeqNo:	6265030	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C6-C12)	4717.000	510	1000	5000	0	94.3	57	146				
Surr: Chlorobenzene - d5	90147.000	0		100000		90.1	64	148				

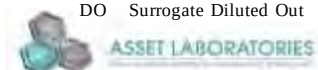
Sample ID	E241026MB	SampType:	MBLK	TestCode:	8015GAS_SP	Units:	ug/Kg	Prep Date:		RunNo:	194825	
Client ID:	PBS	Batch ID:	E24VS147	TestNo:	EPA 8015B			Analysis Date:	10/26/2024	SeqNo:	6265031	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C6-C12)	ND	510	1000									
Surr: Chlorobenzene - d5	90345.000	0		100000		90.3	64	148				

Sample ID	N069462-002BMS	SampType:	MS	TestCode:	8015GAS_SP	Units:	ug/Kg	Prep Date:		RunNo:	194825	
Client ID:	ZZZZZZ	Batch ID:	E24VS147	TestNo:	EPA 8015B			Analysis Date:	10/26/2024	SeqNo:	6265034	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C6-C12)	4305.000	510	1000	5000	0	86.1	57	146				
Surr: Chlorobenzene - d5	87725.000	0		100000		87.7	64	148				

Sample ID	N069462-002BMSD	SampType: MSD	TestCode: 8015GAS_SP	Units: ug/Kg	Prep Date:	RunNo: 194825					
Client ID: ZZZZZZ	Batch ID: E24VS147	TestNo: EPA 8015B	Analysis Date: 10/26/2024	SeqNo: 6265035							
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C6-C12)	4442.000	510	1000	5000	0	88.8	57	146	4305	3.13	50
Surr: Chlorobenzene - d5	89797.000	0		100000		89.8	64	148		0	0

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values	(M)	Test is modified



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ANALYTICAL RESULTS

Print Date: 31-Oct-24

CLIENT: JACOBS

Client Sample ID: AOC4-IDW-1

Lab Order: N069474

Project: PG&E Topock Compressor Station

Collection Date: 10/15/2024 12:30:00 PM

Lab ID: N069474-001

Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3546

EPA 8082

RunID: NV00922-GC14_241028B	QC Batch: 113605	PrepDate: 10/28/2024	Analyst: HG			
Aroclor 1016	ND	8.2	17	ug/Kg	1	10/28/2024 03:51 PM
Aroclor 1221	ND	10	33	ug/Kg	1	10/28/2024 03:51 PM
Aroclor 1232	ND	10	33	ug/Kg	1	10/28/2024 03:51 PM
Aroclor 1242	ND	8.3	17	ug/Kg	1	10/28/2024 03:51 PM
Aroclor 1248	ND	9.0	17	ug/Kg	1	10/28/2024 03:51 PM
Aroclor 1254	19	9.3	17	ug/Kg	1	10/28/2024 03:51 PM
Aroclor 1260	ND	8.4	17	ug/Kg	1	10/28/2024 03:51 PM
Aroclor 1262	ND	7.6	17	ug/Kg	1	10/28/2024 03:51 PM
Aroclor 1268	ND	7.0	17	ug/Kg	1	10/28/2024 03:51 PM
Surr: Decachlorobiphenyl	57.5	0	34-120	%REC	1	10/28/2024 03:51 PM
Surr: Tetrachloro-m-xylene	55.1	0	33-120	%REC	1	10/28/2024 03:51 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out	(M)	Test is modified



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ASSET Laboratories

ANALYTICAL RESULTS

Print Date: 31-Oct-24

CLIENT:	JACOBS	Client Sample ID:	AOC4-IDW-2
Lab Order:	N069474		
Project:	PG&E Topock Compressor Station	Collection Date:	10/15/2024 12:50:00 PM
Lab ID:	N069474-002	Matrix:	SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PCBS BY GC/ECD

EPA 3546

EPA 8082

RunID: NV00922-GC14_241028B	QC Batch: 113605	PrepDate: 10/28/2024	Analyst: HG			
Aroclor 1016	ND	8.1	16	ug/Kg	1	10/28/2024 04:13 PM
Aroclor 1221	ND	10	33	ug/Kg	1	10/28/2024 04:13 PM
Aroclor 1232	ND	10	33	ug/Kg	1	10/28/2024 04:13 PM
Aroclor 1242	ND	8.3	16	ug/Kg	1	10/28/2024 04:13 PM
Aroclor 1248	ND	8.9	16	ug/Kg	1	10/28/2024 04:13 PM
Aroclor 1254	ND	9.2	16	ug/Kg	1	10/28/2024 04:13 PM
Aroclor 1260	ND	8.3	16	ug/Kg	1	10/28/2024 04:13 PM
Aroclor 1262	ND	7.5	16	ug/Kg	1	10/28/2024 04:13 PM
Aroclor 1268	ND	7.0	16	ug/Kg	1	10/28/2024 04:13 PM
Surr: Decachlorobiphenyl	73.1	0	34-120	%REC	1	10/28/2024 04:13 PM
Surr: Tetrachloro-m-xylene	67.3	0	33-120	%REC	1	10/28/2024 04:13 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out	(M)	Test is modified



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CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT**TestCode: 8082SOILPGE_M**

Sample ID	LCS-113605	SampType:	LCS	TestCode:	8082SOILPG	Units:	ug/Kg	Prep Date:	10/28/2024	RunNo:	194901	
Client ID:	LCSS	Batch ID:	113605	TestNo:	EPA 8082	EPA 3546		Analysis Date:	10/28/2024	SeqNo:	6269420	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	154.545	8.2	16	166.7	0	92.7	47	120				
Aroclor 1260	155.635	8.4	16	166.7	0	93.4	50	120				
Surr: Decachlorobiphenyl	14.305	0		16.67		85.8	34	120				
Surr: Tetrachloro-m-xylene	14.060	0		16.67		84.3	33	120				

Sample ID	MB-113605	SampType:	MBLK	TestCode:	8082SOILPG	Units:	ug/Kg	Prep Date:	10/28/2024	RunNo:	194901	
Client ID:	PBS	Batch ID:	113605	TestNo:	EPA 8082	EPA 3546		Analysis Date:	10/28/2024	SeqNo:	6269421	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

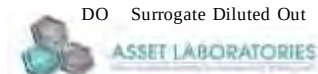
Aroclor 1016	ND	8.2	16									
Aroclor 1221	ND	10	33									
Aroclor 1232	ND	10	33									
Aroclor 1242	ND	8.3	16									
Aroclor 1248	ND	8.9	16									
Aroclor 1254	ND	9.2	16									
Aroclor 1260	ND	8.4	16									
Aroclor 1262	ND	7.6	16									
Aroclor 1268	ND	7.0	16									
Surr: Decachlorobiphenyl	12.470	0		16.67		74.8	34	120				
Surr: Tetrachloro-m-xylene	12.343	0		16.67		74.0	33	120				

Sample ID	N069273-001A-MS	SampType:	MS	TestCode:	8082SOILPG	Units:	ug/Kg	Prep Date:	10/28/2024	RunNo:	194901	
Client ID:	ZZZZZZ	Batch ID:	113605	TestNo:	EPA 8082	EPA 3546		Analysis Date:	10/28/2024	SeqNo:	6269426	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	138.156	8.1	16	165.7	0	83.4	24	125				
Aroclor 1260	129.550	8.3	16	165.7	54.99	45.0	25	121				
Surr: Decachlorobiphenyl	10.104	0		16.57		61.0	34	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values	(M)	Test is modified

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CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT

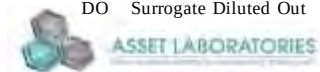
TestCode: 8082SOILPGE_M

Sample ID	N069273-001A-MS	SampType:	MS	TestCode:	8082SOILPG	Units:	ug/Kg	Prep Date:	10/28/2024	RunNo:	194901	
Client ID:	ZZZZZZ	Batch ID:	113605	TestNo:	EPA 8082	EPA 3546		Analysis Date:	10/28/2024	SeqNo:	6269426	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	11.632	0		16.57		70.2	33	120				

Sample ID	N069273-001A-MSD	SampType:	MSD	TestCode:	8082SOILPG	Units:	ug/Kg	Prep Date:	10/28/2024	RunNo:	194901	
Client ID:	ZZZZZZ	Batch ID:	113605	TestNo:	EPA 8082	EPA 3546		Analysis Date:	10/28/2024	SeqNo:	6269427	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	137.210	8.2	17	167.8	0	81.8	24	125	138.2	0.687	20	
Aroclor 1260	129.245	8.4	17	167.8	54.99	44.3	25	121	129.6	0.236	20	
Surr: Decachlorobiphenyl	9.742	0		16.78		58.1	34	120		0		
Surr: Tetrachloro-m-xylene	11.433	0		16.78		68.1	33	120		0		

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|-----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | (M) | Test is modified |



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ANALYTICAL RESULTS

Print Date: 31-Oct-24

CLIENT: JACOBS Client Sample ID: AOC4-IDW-1
Lab Order: N069474
Project: PG&E Topock Compressor Station Collection Date: 10/15/2024 12:30:00 PM
Lab ID: N069474-001 Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
HEXAVALENT CHROMIUM BY IC							
EPA 3060A				EPA 7199			
RunID: CA01638-IC01_241028A	QC Batch: 113626			PrepDate: 10/28/2024	Analyst: PL		
Hexavalent Chromium	ND	0.086	0.20		mg/Kg	1	10/28/2024 02:08 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out (M) Test is modified



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ANALYTICAL RESULTS

Print Date: 31-Oct-24

CLIENT: JACOBS

Client Sample ID: AOC4-IDW-2

Lab Order: N069474

Project: PG&E Topock Compressor Station

Collection Date: 10/15/2024 12:50:00 PM

Lab ID: N069474-002

Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HEXAVALENT CHROMIUM BY IC

EPA 3060A

EPA 7199

RunID: CA01638-IC01_241028A

QC Batch: 113626

PrepDate: 10/28/2024

Analyst: PL

Hexavalent Chromium

ND

0.086

0.20

mg/Kg

1

10/28/2024 02:54 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified
(M) Test is modified



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“Serving Clients with Passion and Professionalism”

CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT**TestCode: CA_7199_S_PGE**

Sample ID	LCS-113626	SampType:	LCS	TestCode:	CA_7199_S_	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194875			
Client ID:	LCSS	Batch ID:	113626	TestNo:	EPA 7199	EPA 3060A		Analysis Date:	10/28/2024	SeqNo:	6268021			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium		4.031		0.086	0.20	4.000	0	101	80	120				

Sample ID	MB-113626	SampType:	MBLK	TestCode:	CA_7199_S_	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194875			
Client ID:	PBS	Batch ID:	113626	TestNo:	EPA 7199	EPA 3060A		Analysis Date:	10/28/2024	SeqNo:	6268022			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium		ND		0.086	0.20									

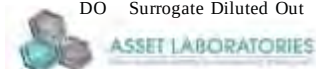
Sample ID	N069474-001H-REP	SampType:	DUP	TestCode:	CA_7199_S_	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194875			
Client ID:	ZZZZZZ	Batch ID:	113626	TestNo:	EPA 7199	EPA 3060A		Analysis Date:	10/28/2024	SeqNo:	6268024			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium		0.190		0.086	0.20						0.1921	0	20	

Sample ID	N069474-001H-MS	SampType:	MS	TestCode:	CA_7199_S_	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194875			
Client ID:	ZZZZZZ	Batch ID:	113626	TestNo:	EPA 7199	EPA 3060A		Analysis Date:	10/28/2024	SeqNo:	6268025			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium		3.382		0.086	0.20	3.999	0.1921	79.8	75	125				

Sample ID	N069474-001H-MSD	SampType:	MSD	TestCode:	CA_7199_S_	Units:	mg/Kg	Prep Date:	10/28/2024	RunNo:	194875			
Client ID:	ZZZZZZ	Batch ID:	113626	TestNo:	EPA 7199	EPA 3060A		Analysis Date:	10/28/2024	SeqNo:	6268026			
Analyte		Result		MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium		3.317		0.086	0.20	3.992	0.1921	78.3	75	125	3.382	1.93	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out	Calculations are based on raw values		(M)	Test is modified

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CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: CA_7199_S_PGE

Sample ID	N069474-002H-REP	SampType: DUP	TestCode: CA_7199_S_	Units: mg/Kg	Prep Date: 10/28/2024	RunNo: 194875
Client ID:	ZZZZZZ	Batch ID: 113626	TestNo: EPA 7199	EPA 3060A	Analysis Date: 10/28/2024	SeqNo: 6268028
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC Low Limit High Limit RPD Ref Val %RPD RPDLimit Qual
Hexavalent Chromium	ND	0.086	0.20			0 0 20

Sample ID	N069474-003B-REP	SampType: DUP	TestCode: CA_7199_S_	Units: mg/Kg	Prep Date: 10/28/2024	RunNo: 194875
Client ID:	ZZZZZZ	Batch ID: 113626	TestNo: EPA 7199	EPA 3060A	Analysis Date: 10/28/2024	SeqNo: 6268030
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC Low Limit High Limit RPD Ref Val %RPD RPDLimit Qual
Hexavalent Chromium	1.214	0.086	0.20			1.175 3.33 20

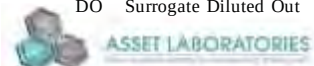
Sample ID	N069429-001B-DUP	SampType: DUP	TestCode: CA_7199_S_	Units: mg/Kg	Prep Date: 10/28/2024	RunNo: 194875
Client ID:	ZZZZZZ	Batch ID: 113626	TestNo: EPA 7199	EPA 3060A	Analysis Date: 10/28/2024	SeqNo: 6268133
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC Low Limit High Limit RPD Ref Val %RPD RPDLimit Qual
Hexavalent Chromium	0.116	0.086	0.20			0.1173 0 20

Sample ID	N069429-001B-MS	SampType: MS	TestCode: CA_7199_S_	Units: mg/Kg	Prep Date: 10/28/2024	RunNo: 194875
Client ID:	ZZZZZZ	Batch ID: 113626	TestNo: EPA 7199	EPA 3060A	Analysis Date: 10/28/2024	SeqNo: 6268135
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC Low Limit High Limit RPD Ref Val %RPD RPDLimit Qual
Hexavalent Chromium	4.011	0.086	0.20	3.998	0.1173	97.4 75 125

Sample ID	N069429-001B-MSD	SampType: MSD	TestCode: CA_7199_S_	Units: mg/Kg	Prep Date: 10/28/2024	RunNo: 194875
Client ID:	ZZZZZZ	Batch ID: 113626	TestNo: EPA 7199	EPA 3060A	Analysis Date: 10/28/2024	SeqNo: 6268136
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC Low Limit High Limit RPD Ref Val %RPD RPDLimit Qual
Hexavalent Chromium	4.049	0.086	0.20	3.999	0.1173	98.3 75 125 4.011 0.938 20

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|-----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | (M) | Test is modified |



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CLIENT: JACOBS
Work Order: N069474
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: CA_7199_S_PGE

Sample ID N069429-001B-MSB-		SampType: MS	TestCode: CA_7199_S_		Units: mg/Kg	Prep Date: 10/28/2024			RunNo: 194875				
Client ID: ZZZZZZ		Batch ID: 113626	TestNo: EPA 7199		EPA 3060A		Analysis Date: 10/28/2024			SeqNo: 6268137			
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual	
Hexavalent Chromium	569.675	4.3	10	649.2	0.1173	87.7	75	125					

Qualifiers:

- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- R

RPD outside accepted recovery limits
- S

Spike/Surrogate outside of limits due to matrix interference
- DO

Surrogate Diluted Out
- Calculations are based on raw values
- (M)

Test is modified



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[illegible]

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 10/25/2024

Workorder: N069474

Rep sample Temp (Deg C): 3.1

IR Gun ID: 4

Temp Blank: ☒ Yes ☐ No

Carrier name: ASSET

Last 4 digits of Tracking No.: NA

Packing Material Used: None

Cooling process: ☒ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None

Sample Receipt Checklist

- | | | | |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition? | Yes ☒ | No ☐ | Not Present ☐ |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes ☐ | No ☐ | Not Present ☒ |
| 3. Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☒ |
| 4. Chain of custody present? | Yes ☒ | No ☐ | |
| 5. Sampler's name present in COC? | Yes ☒ | No ☐ | |
| 6. Chain of custody signed when relinquished and received? | Yes ☒ | No ☐ | |
| 7. Chain of custody agrees with sample labels? | Yes ☒ | No ☐ | |
| 8. Samples in proper container/bottle? | Yes ☒ | No ☐ | |
| 9. Sample containers intact? | Yes ☒ | No ☐ | |
| 10. Sufficient sample volume for indicated test? | Yes ☒ | No ☐ | |
| 11. All samples received within holding time? | Yes ☒ | No ☐ | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes ☒ | No ☐ | NA ☐ |
| 13. Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | NA ☒ |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes ☐ | No ☐ | NA ☒ |
| 15. Did the bottle labels indicate correct preservatives used? | Yes ☐ | No ☐ | NA ☒ |
| 16. Were there Non-Conformance issues at login? | Yes ☐ | No ☐ | NA ☒ |
| Was Client notified? | Yes ☐ | No ☐ | NA ☒ |

Comments:

Checklist Completed By: EF *E Fanegof* 10/28/2024

Reviewed By:

for: *for: [signature]*
YR 10/29/2024

ASSET Laboratories

WORK ORDER Summary

29-Oct-24

WorkOrder: N069474

Client ID: JACOB01

Project: PG&E Topock Compressor Station

QC Level: Level IV

Date Received: 10/25/2024 7:38 PM

Comments: Report Copy to

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N069474-001A	AOC4-IDW-1	10/15/2024 12:30:00 PM	10/29/2024	Soil	EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	VS
			10/29/2024		EPA 3060A	Prep for Hexavalend Chromium	☐	☐	☐	VS
			10/29/2024		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	VS
			10/29/2024		EPA 7199	Hexavalent Chromium by IC	☒	☐	☐	VS
			10/29/2024			MERCURY PREP	☐	☐	☐	VS
			10/29/2024		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	VS
N069474-001B			10/29/2024		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			10/29/2024		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			10/29/2024		EPA 3550B	ULTRASONIC EXTRACTION: EXTRACTABLE FUELS	☐	☐	☐	WS
			10/29/2024		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
N069474-001C			10/29/2024		EPA 8082	PCBs BY GC/ECD	☐	☐	☐	WS
			10/29/2024		EPA 1030	IGNITABILITY OF SOLIDS	☐	☐	☒	SUB
			10/29/2024		EPA 9014, Ch 7	CYANIDE, REACTIVE	☒	☐	☒	SUB
N069474-001D			10/29/2024		EPA 9030B, Ch 7	SULFIDE, REACTIVE	☒	☐	☒	SUB
			10/29/2024		EPA 8290	Dioxins and Dibenzofurans	☐	☐	☒	SUB
N069474-001E							☐	☐	☐	FRZ1-LV
N069474-001F							☐	☐	☐	FRZ1-LV
N069474-001G							☐	☐	☐	FRZ1-LV
N069474-001H			10/29/2024		EPA 3060A	Prep for Hexavalent Chromium	☐	☐	☐	WS-CA
			10/29/2024		EPA 7199	Hexavalent Chromium by IC	☐	☐	☐	WS-CA
N069474-002A	AOC4-IDW-2	10/15/2024 12:50:00 PM	10/29/2024		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	VS

ASSET Laboratories

WORK ORDER Summary

29-Oct-24

WorkOrder: N069474

Client ID: JACOB01

Project: PG&E Topock Compressor Station

QC Level: Level IV

Date Received: 10/25/2024 7:38 PM

Comments: Report Copy to

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N069474-002A	AOC4-IDW-2	10/15/2024 12:50:00 PM	10/29/2024	Soil	EPA 3060A	Prep for Hexavalend Chromium	☐	☐	☐	VS
			10/29/2024		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	VS
			10/29/2024		EPA 7199	Hexavalent Chromium by IC	☒	☐	☐	VS
			10/29/2024			MERCURY PREP	☐	☐	☐	VS
			10/29/2024		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	VS
N069474-002B			10/29/2024		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			10/29/2024		EPA 3546	Microwave Extraction	☐	☐	☐	WS
			10/29/2024		EPA 3550B	ULTRASONIC EXTRACTION: EXTRACTABLE FUELS	☐	☐	☐	WS
			10/29/2024		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	WS
N069474-002C			10/29/2024		EPA 8082	PCBs BY GC/ECD	☐	☐	☐	WS
			10/29/2024		EPA 1030	IGNITABILITY OF SOLIDS	☐	☐	☒	SUB
			10/29/2024		EPA 9014, Ch 7	CYANIDE, REACTIVE	☒	☐	☒	SUB
N069474-002D			10/29/2024		EPA 9030B, Ch 7	SULFIDE, REACTIVE	☒	☐	☒	SUB
			10/29/2024		EPA 8290	Dioxins and Dibenzofurans	☐	☐	☒	SUB
N069474-002E							☐	☐	☐	FRZ1-LV
N069474-002F							☐	☐	☐	FRZ1-LV
N069474-002G							☐	☐	☐	FRZ1-LV
N069474-002H			10/29/2024		EPA 3060A	Prep for Hexavalent Chromium	☐	☐	☐	WS-CA
			10/29/2024		EPA 7199	Hexavalent Chromium by IC	☐	☐	☐	WS-CA
N069474-003A	MW-20-IDW	10/15/2024 1:35:00 PM	10/29/2024		EPA 3050B	SOPREP TOTAL METALS	☐	☐	☐	VS
			10/29/2024		EPA 3060A	Prep for Hexavalend Chromium	☐	☐	☐	VS

ASSET Laboratories

WORK ORDER Summary

29-Oct-24

WorkOrder: N069474

Client ID: JACOB01

Project: PG&E Topock Compressor Station

QC Level: Level IV

Date Received: 10/25/2024 7:38 PM

Comments: Report Copy to

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N069474-003A	MW-20-IDW	10/15/2024 1:35:00 PM	10/29/2024	Soil	EPA 3546	Microwave Extraction	☐	☐	☐	VS
			10/29/2024		EPA 3550B	ULTRASONIC EXTRACTION: EXTRACTABLE FUELS	☐	☐	☐	VS
			10/29/2024		EPA 6010B	TOTAL METALS BY ICP	☐	☐	☐	VS
			10/29/2024		EPA 7199	Hexavalent Chromium by IC	☒	☐	☐	VS
			10/29/2024			MERCURY PREP	☐	☐	☐	VS
			10/29/2024		EPA 7471A	TOTAL MERCURY BY COLD VAPOR TECHNIQUE	☐	☐	☐	VS
			10/29/2024		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			10/29/2024		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	☐	☐	☐	VS
			10/29/2024		EPA 8082	PCBs BY GC/ECD	☐	☐	☐	VS
N069474-003B			10/29/2024		EPA 3060A	Prep for Hexavalent Chromium	☐	☐	☐	WS-CA
			10/29/2024		EPA 7199	Hexavalent Chromium by IC	☐	☐	☐	WS-CA
N069474-003C			10/29/2024		EPA 1030	IGNITABILITY OF SOLIDS	☐	☐	☒	SUB
			10/29/2024		EPA 9014, Ch 7	CYANIDE, REACTIVE	☒	☐	☒	SUB
			10/29/2024		EPA 9030B, Ch 7	SULFIDE, REACTIVE	☒	☐	☒	SUB
N069474-003D							☐	☐	☐	FRZ1-LV
N069474-003E							☐	☐	☐	FRZ1-LV
N069474-003F							☐	☐	☐	FRZ1-LV
N069474-004A	FOLDER	10/29/2024	10/29/2024		Folder	Folder	☐	☐	☐	LAB
			10/29/2024		Folder	Level IV Report	☐	☐	☐	LAB
			10/29/2024		Folder	Folder	☐	☐	☐	LAB

**ASSET Laboratories**

3151-3153 W Post Rd., Las Vegas, NV 89118

www.atl-labs.com

TEL: 7023072659

FAX: 7023072691

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

QC Level: Level IV**Subcontractor:**AETL
2834 North Naomi Street
Burbank, CA 91504TEL: (818) 845-8200
FAX: (818) 845-8840
Acct #:Field Sampler: **Signed****26-Oct-24**

Sample ID	Matrix	Date Collected	Bottle Type	EPA 1030	Requested Tests	
					EPA 9014, Ch 7 Reactive CN	EPA 9030B, Ch 7 Reactive S2
N069474-001C / AOC4-IDW-1	Soil	10/15/2024 12:30:00 PM	4OZG	1	1	1
N069474-002C / AOC4-IDW-2	Soil	10/15/2024 12:50:00 PM	4OZG	1	1	1
N069474-003C / MW-20-IDW	Soil	10/15/2024 1:35:00 PM	4OZG	1	1	1

Cancelled

yRodriguez
10/28/2024

General Comments: PLEASE EMAIL SAMPLE RECEIPT ACKNOWLEDGEMENT TO THE PM. ALWAYS CC: sonny.lorenzo@assetlaboratories.com

Please use PO#:N69474A Please email Invoices and Account Receivable Statements to elvira@assetlaboratories.com. For questions, call Marlon at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by: RUSH 1 day TAT

Please analyze for Reactivity and Ignitability. EDD requirement Labspec7 edata.

Fedex#: 779537876206

Date/Time		Date/Time	
Relinquished by: <i>E Fanegof</i>	10/26/2024 11:00	Received by: _____	_____
Relinquished by: _____	_____	Received by: _____	_____



ASSET Laboratories

3151-3153 W Post Rd., Las Vegas, NV 89118

www.atl-labs.com

TEL: 7023072659

FAX: 7023072691

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

QC Level: Level IV

Subcontractor:

Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414

TEL: (612) 607-1700
FAX: (612) 607-6444
Acct #:

Field Sampler: C. Hong

26-Oct-24

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 8290		
N069474-001D / AOC4-IDW-1	Soil	10/15/2024 12:30:00 PM	4OZG	1		
N069474-002D / AOC4-IDW-2	Soil	10/15/2024 12:50:00 PM	4OZG	1		

Samples from Needles CA.
PG&E Arcadis project
Site: Topock

General Comments: PLEASE EMAIL SAMPLE RECEIPT ACKNOWLEDGEMENT TO THE PM. ALWAYS CC: sonny.lorenzo@assetlaboratories.com

Please use PO#:N69474B Please email Invoices and Account Receivable Statements to elvira@assetlaboratories.com. For questions, call Marlon at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by: RUSH ASAP

Please analyze for Dioxins/Furans by 8290. EDD requirement Labspec7 edata.

Fedex#: 779534939660

Date/Time	Date/Time
Relinquished by: <u>EFanagotf</u> 10/26/2024 11:00	Received by: _____
Relinquished by: _____	Received by: _____



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

November 01, 2024

AETL Job No: BFJ0361

Received Date: 10/31/2024

Project Number: N069523

ASSET Laboratories
3151-3153 W. Post Rd.
Las Vegas, NV 89118
Telephone: (702) 307-2659

Attention: Sonny Lorenzo

Project Name: N069523

Site:

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By:

Hailley Coleman
Project Manager

Approved By:

Crystal Dalton
Project Manager

Table of Contents

Client Project Name: General Testing-RL Project Number: N069523
Work Order Number: BFJ0361

1 Cover Letter 1

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10 Qualifiers and Definitions 16



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ASSET Laboratories
3151-3153 W. Post Rd.
Las Vegas, NV 89118

AETL Job Number: BFJ0361
Project Number: N069523
Attention: Sonny Lorenzo
Project Name: N069523

Reported: 11/01/2024 15:36

Sample Condition on Receipt

Cooler ID: Default Cooler

Temperature: 4.3 °C

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y



ASSET Laboratories

3151-3153 W Post Rd., Las Vegas, NV 89118

www.atl-labs.com

TEL: 7023072659

FAX: 7023072691

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

QC Level: Level IV

Subcontractor:

AETL

2834 North Naomi Street

Burbank, CA 91504

TEL: (818) 845-8200

FAX: (818) 845-8840

Acct #:

Field Sampler: C. Hong

29-Oct-24

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests	
				EPA 9014, Ch 7 Reactive CN	EPA 9030B, Ch 7 Reactive S2
N069523-001A / AOC4-IDW-1A	Soil	10/29/2024 7:45:00 AM	8OZG	1	1
N069523-002A / AOC4-IDW-2A	Soil	10/29/2024 7:45:00 AM	8OZG	1	1
N069523-003A / MW-20-IDWA	Soil	10/29/2024 8:45:00 AM	8OZG	1	1

General Comments:

PLEASE EMAIL SAMPLE RECEIPT ACKNOWLEDGEMENT TO THE PM. ALWAYS CC: sonny.lorenzo@assetlaboratories.com

Please use PO#: N69523A Please email Invoices and Account Receivable Statements to elvira@assetlaboratories.com. For questions, call Marlon at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by: RUSH 1 day TAT

Please analyze for Reactivity. EDD requirement Labspec7 edata.

GLS#: 562189810

Date/Time	Date/Time
Relinquished by: <u>Efanegof</u> 10/29/2024 1600	Received by: <u>AETL - [Signature]</u> 10-31-24
Relinquished by: _____	Received by: <u>Cerritos [Signature]</u> (Certs) 10:00



800-322-5555
www.gls-us.com

Ship From

ADVANCED TECHNOLOGY
LABORATORIES, INC.
MARLON CARTIN
3151 W. POST RD.
LAS VEGAS, NV 89118

Tracking #: 562194265**PDS****Ship To**

AETL
SAMPLE RECEIVING
2834 NORTH NAOMI ST.
BURBANK, CA 91504

BURBANK**S02112F****COD: \$0.00****Weight: 0 lb(s)****Reference:**

18743770

Delivery Instructions:**Signature Type: STANDARD****BUR CA913-BF0**

Print Date: 10/30/2024 11:04 AM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.

Step 2: Fold this page in half.

Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.



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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

COOLER RECEIPT FORM

Client Name: Asset Laboratories				
Project Name: General Testing			Project No.: N069523	
AETL Job Number: BFJ0361				
Date Received: 10/31/2024		Received by: Greta Giragoosian		
Carrier: ☐ AETL Courier ☐ Client ☒ GSL ☐ FedEx ☐ UPS				
☐ Others:				
Samples were received in: ☒ Cooler (1) ☐ Other (Specify):				
Sample Container Temperature: 4.3 °C IR Gun S/N: 51941911MV				
Type of sample containers: ☐ VOA, ☐ Glass bottles, ☒ Wide mouth jars, ☐ HDPE bottles, ☐ Metal sleeves, ☐ Acetate sleeves, ☐ 5035 Kit: ☐ AETL or ☐ Client, ☐ Tedlar Bags, Summa Canister: ☐ 6L, ☐ 3L, ☐ 1L, Others (Specify):				
How are samples preserved: ☐ None, ☒ Ice, ☐ Blue Ice, ☐ Dry Ice				
☒ None, ☐ HNO ₃ , ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ Na ₂ S ₂ O ₃ , ☐ MeOH, ☐ NaHSO ₄				
☐ Other (Specify):				
	Yes	No*	N/A	Note or Comment
1. Are the COCs Correct?	✓			
2. Are Sample labels legible & indelible ink?	✓			
3. Do samples match the COC?	✓			
4. Are the required analyses clear?	✓			
5. Is there enough samples for required analysis?	✓			
6. Does cooler or samples have custody seal(s)?			✓	
7. Are sample containers intact and in good condition?	✓			
8. Are samples preserved?	✓			
9. Are samples preserved properly for the intended analysis?	✓			
10. Are the VOAs free of headspace? See footnote.			✓	
11. Are the jars free of headspace?			✓	
12. Are there any samples with short hold times?		✓		

* = see note below. N/A = Not Applicable

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

○ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.



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ASSET Laboratories
3151-3153 W. Post Rd.
Las Vegas, NV 89118

AETL Job Number: BFJ0361
Project Number: N069523
Attention: Sonny Lorenzo
Project Name: N069523

Reported: 11/01/2024 15:36

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

No analytical non-conformances were encountered.



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ASSET Laboratories
3151-3153 W. Post Rd.
Las Vegas, NV 89118

AETL Job Number: BFJ0361
Project Number: N069523
Attention: Sonny Lorenzo
Project Name: N069523

Reported: 11/01/2024 15:36

Samples Received

AETL received the following samples on 10/31/2024 with the following specifications

Client ID		Sample Date	
N069523-001A / AOC4-IDW-1A		10/29/2024 7:45	
Lab ID	Matrix	Quantity of Containers	
BFJ0361-01	Soil	1	
Analysis	Units	TAT	
Section 7.3 SW-846	mg/kg	1	
Section 7.3 SW-846	mg/kg	1	
Client ID		Sample Date	
N069523-002A / AOC4-IDW-2A		10/29/2024 7:45	
Lab ID	Matrix	Quantity of Containers	
BFJ0361-02	Soil	1	
Analysis	Units	TAT	
Section 7.3 SW-846	mg/kg	1	
Section 7.3 SW-846	mg/kg	1	
Client ID		Sample Date	
N069523-003A / MW-20-IDWA		10/29/2024 8:45	
Lab ID	Matrix	Quantity of Containers	
BFJ0361-03	Sludge	1	
Analysis	Units	TAT	
Section 7.3 SW-846	mg/kg	1	
Section 7.3 SW-846	mg/kg	1	

Total Number of Samples received: 3



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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

ASSET Laboratories
3151-3153 W. Post Rd.
Las Vegas, NV 89118

AETL Job Number: BFJ0361
Project Number: N069523
Attention: Sonny Lorenzo
Project Name: N069523

Reported: 11/01/2024 15:36

Positive Hits Summary

Lab ID	Client ID					Sampled
Method	Analyte	Result	Qualifier	Unit		Analyzed

No positive results reported



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

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ASSET Laboratories
3151-3153 W. Post Rd.
Las Vegas, NV 89118

AETL Job Number: BFJ0361
Project Number: N069523
Attention: Sonny Lorenzo
Project Name: N069523

Reported: 11/01/2024 15:36

Analytical Results

Client ID: N069523-001A / AOC4-IDW-1A

Lab ID: BFJ0361-01 (Soil)

Sampled: 10/29/24 7:45

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
---------	--------	-----------	----------	----	-------	-----------------------	-----------------------	-------	---------------------	-----------------

Wet Chemistry Analysis

Method: Section 7.3 SW-846

Cyanide (Reactive)	ND		1	0.496	mg/kg	11/01/24 09:00	11/01/24 14:00	B4K0002	CPi	9014
Sulfide (Reactive)	ND		1	0.996	mg/kg	11/01/24 08:15	11/01/24 14:30	B4K0001	CPi	9030B



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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

ASSET Laboratories
3151-3153 W. Post Rd.
Las Vegas, NV 89118

AETL Job Number: BFJ0361
Project Number: N069523
Attention: Sonny Lorenzo
Project Name: N069523

Reported: 11/01/2024 15:36

Analytical Results

Client ID: N069523-002A / AOC4-IDW-2A

Lab ID: BFJ0361-02 (Soil)

Sampled: 10/29/24 7:45

Analyte	Result	Qualifier	Dilution	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
---------	--------	-----------	----------	----	-------	-----------------------	-----------------------	-------	---------------------	-----------------

Wet Chemistry Analysis

Method: Section 7.3 SW-846

Cyanide (Reactive)	ND		1	0.498	mg/kg	11/01/24 09:00	11/01/24 14:00	B4K0002	CPi	9014
Sulfide (Reactive)	ND		1	0.996	mg/kg	11/01/24 08:15	11/01/24 14:30	B4K0001	CPi	9030B



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

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ASSET Laboratories
3151-3153 W. Post Rd.
Las Vegas, NV 89118

AETL Job Number: BFJ0361
Project Number: N069523
Attention: Sonny Lorenzo
Project Name: N069523

Reported: 11/01/2024 15:36

Quality Control Results

Wet Chemistry Analysis (Section 7.3 SW-846)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B4K0001 - 9030B				Prepared: 11/01/2024 08:15						
Method Blank (B4K0001-BLK1)				Analyzed: 11/01/2024 14:30						
Sulfide (Reactive)	ND	1.00	mg/kg							



AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC

2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181

Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

ASSET Laboratories
3151-3153 W. Post Rd.
Las Vegas, NV 89118

AETL Job Number: BFJ0361
Project Number: N069523
Attention: Sonny Lorenzo
Project Name: N069523

Reported: 11/01/2024 15:36

Quality Control Results

Wet Chemistry Analysis (Section 7.3 SW-846)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B4K0001 - 9030B (Continued)				Prepared: 11/01/2024 08:15						
LCS (B4K0001-BS1)				Analyzed: 11/01/2024 14:30						
Sulfide (Reactive)	3.92	1.00	mg/kg	4.00		98.0	75-125			
LCSD (B4K0001-BSD1)				Analyzed: 11/01/2024 14:30						
Sulfide (Reactive)	4.20	1.00	mg/kg	4.00		105	75-125	6.90	25	
Duplicate (B4K0001-DUP1)				Analyzed: 11/01/2024 14:30						
Sulfide (Reactive)	ND	0.992	mg/kg		ND			<1.00	25	
Batch: B4K0002 - 9014				Prepared: 11/01/2024 09:00						
Method Blank (B4K0002-BLK1)				Analyzed: 11/01/2024 14:00						
Cyanide (Reactive)	ND	0.500	mg/kg							



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ASSET Laboratories
3151-3153 W. Post Rd.
Las Vegas, NV 89118

AETL Job Number: BFJ0361
Project Number: N069523
Attention: Sonny Lorenzo
Project Name: N069523

Reported: 11/01/2024 15:36

Quality Control Results

Wet Chemistry Analysis (Section 7.3 SW-846)

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B4K0002 - 9014 (Continued)				Prepared: 11/01/2024 09:00						
LCS (B4K0002-BS1)				Analyzed: 11/01/2024 14:00						
Cyanide (Reactive)	3.92	0.500	mg/kg	4.00		98.0	80-120			
LCSD (B4K0002-BSD1)				Analyzed: 11/01/2024 14:00						
Cyanide (Reactive)	3.86	0.500	mg/kg	4.00		96.5	80-120	1.54	20	
Duplicate (B4K0002-DUP1)				Analyzed: 11/01/2024 14:00						
Cyanide (Reactive)	ND	0.498	mg/kg		ND			<1.00	15	



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Project Number: N069523
Attention: Sonny Lorenzo
Project Name: N069523

Reported: 11/01/2024 15:36

Qualifiers and Definitions

ITEM	Definitions
% wt	Percent Weight
%REC	Percent Recovery
*	Value outside of control limits.
°F	Degrees Fahrenheit
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
Cresols	3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol.
CRM	Certified Reference Material
DI	Deionized Water
DPD	Department of Planning and Development
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GC/FID	Gas Chromatography Flame Ionization Detection
GRO	Gasoline Range Organics
HC	Hydrocarbon
HEM	Hexane Extractable Material
HMU	Hazardous Material Unit
ICP/MS	Inductively Coupled Plasma Mass Spectrometry
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
ml/L/hr	Milliliter per Liter per Hour
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No



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AETL Job Number: BFJ0361
Project Number: N069523
Attention: Sonny Lorenzo
Project Name: N069523

Reported: 11/01/2024 15:36

ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
ORO	Oil Range Organics
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
ppb v	Parts per billion by volume
ppmC	Parts per million Carbon
PSU	Practical Salinity Unit
Q	Qualifier Column
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalent to LOQ.
RPD	Relative Percent Difference
SIM	Selective Ion Monitoring
SM	Standard Method
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction

November 11, 2024

Christina Hong
JACOBS
155 Grand Avenue, Suite 1000
Oakland, CA 94612
TEL: (626) 297-5292
FAX:

Workorder No.: N069831

RE: PG&E Topock Compressor Station

Attention: Christina Hong

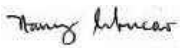
Enclosed are the results for sample(s) received on November 08, 2024 by ASSET Laboratories.
The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in
accordance with the applicable laboratory certifications.

The reported results relate only to the samples as received and parameters tested by the laboratory.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,



Nancy Sibucan
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in
its entirety without written permission from the client and ASSET Laboratories - Las Vegas.



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ORELAP Cert 4046

CLIENT: JACOBS
Project: PG&E Topock Compressor Station
Lab Order: N069831

CASE NARRATIVE**SAMPLE RECEIVING/GENERAL COMMENTS:**

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

This is an addendum for N069474.

Analytical Comments for WET/EPA 6010B:

Dilution was necessary due to matrix.

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ASSET Laboratories

Date: 11-Nov-24

CLIENT: JACOBS
Project: PG&E Topock Compressor Station
Lab Order: N069831
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N069831-001A	AOC4-IDW-1	Soil	10/15/2024 12:30:00 PM	11/8/2024	11/11/2024
N069831-002A	AOC4-IDW-2	Soil	10/15/2024 12:50:00 PM	11/8/2024	11/11/2024
N069831-003A	MW-20-IDW	Soil	10/15/2024 1:35:00 PM	11/8/2024	11/11/2024



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ANALYTICAL RESULTS

Print Date: 11-Nov-24

CLIENT:	JACOBS	Client Sample ID:	AOC4-IDW-1
Lab Order:	N069831		
Project:	PG&E Topock Compressor Station	Collection Date:	10/15/2024 12:30:00 PM
Lab ID:	N069831-001	Matrix:	SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS BY STLC							
	EPA 3010A		WET/ EPA 6010B				
RunID: NV00922-ICP4_241110E	QC Batch: 114023		PrepDate: 11/10/2024		Analyst: DJ		
Chromium	ND	0.0010	0.25		mg/L	5	11/11/2024 03:46 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out	(M)	Test is modified



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ANALYTICAL RESULTS

Print Date: 11-Nov-24

CLIENT: JACOBS Client Sample ID: AOC4-IDW-2
Lab Order: N069831
Project: PG&E Topock Compressor Station Collection Date: 10/15/2024 12:50:00 PM
Lab ID: N069831-002 Matrix: SOIL

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP METALS BY STLC							
EPA 3010A				WET/ EPA 6010B			
RunID: NV00922-ICP4_241110E	QC Batch: 114023			PrepDate:	11/10/2024	Analyst: DJ	
Chromium	ND	0.0010	0.25		mg/L	5	11/11/2024 03:53 AM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out (M) Test is modified



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CLIENT: JACOBS
Work Order: N069831
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT**TestCode: 6010_ST**

Sample ID: MB-114023	SampType: MBLK	TestCode: 6010_ST	Units: mg/L	Prep Date: 11/10/2024	RunNo: 195470							
Client ID: PBS	Batch ID: 114023	TestNo: WET/ EPA 60 EPA 3010A		Analysis Date: 11/11/2024	SeqNo: 6304719							
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium ND 0.00020 0.050

Sample ID: MB-113986 STLC		SampType: MBLK		TestCode: 6010_ST		Units: mg/L		Prep Date: 11/10/2024		RunNo: 195470		
Client ID: PBS		Batch ID: 114023		TestNo: WET/ EPA 60 EPA 3010A				Analysis Date: 11/11/2024		SeqNo: 6304720		
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium ND 0.0010 0.25

Sample ID: MB-113997 STLC	SampType: MBLK	TestCode: 6010_ST	Units: mg/L	Prep Date: 11/10/2024	RunNo: 195470							
Client ID: PBS	Batch ID: 114023	TestNo: WET/ EPA 60 EPA 3010A	Analysis Date: 11/11/2024	SeqNo: 6304721								
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium ND 0.0010 0.25

Sample ID: LCS-114023		SampType: LCS		TestCode: 6010_ST		Units: mg/L		Prep Date: 11/10/2024		RunNo: 195470		
Client ID: LCSS		Batch ID: 114023		TestNo: WET/ EPA 60 EPA 3010A				Analysis Date: 11/11/2024		SeqNo: 6304722		
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

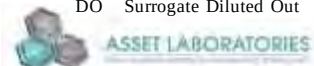
Chromium 0.474 0.00020 0.050 0.5000 0 94.8 85 115

Sample ID: N069814-001A-MS		SampType: MS		TestCode: 6010_ST		Units: mg/L		Prep Date: 11/10/2024		RunNo: 195470		
Client ID: ZZZZZZ		Batch ID: 114023		TestNo: WET/ EPA 60 EPA 3010A				Analysis Date: 11/11/2024		SeqNo: 6304731		
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium 0.570 0.0010 0.25 0.5000 0.1232 89.3 75 125

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|-----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | (M) | Test is modified |

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CLIENT: JACOBS
Work Order: N069831
Project: PG&E Topock Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_ST

Sample ID: N069814-001A-MSD		SampType: MSD		TestCode: 6010_ST		Units: mg/L		Prep Date: 11/10/2024			RunNo: 195470		
Client ID: ZZZZZZ		Batch ID: 114023		TestNo: WET/ EPA 60 EPA 3010A				Analysis Date: 11/11/2024			SeqNo: 6304732		
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPDLimit	Qual	
Chromium	0.555	0.0010	0.25	0.5000	0.1232	86.4	75	125	0.5698	2.64	20		

Qualifiers:

- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- R

RPD outside accepted recovery limits
- S

Spike/Surrogate outside of limits due to matrix interference
- DO

Surrogate Diluted Out
- Calculations are based on raw values
- (M)

Test is modified

ASSET Laboratories

Please review the checklist below. Any NO and/or NA signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Change Order Checklist

Client Name: **JACOB01**

Date / Time Created: **11/11/2024 3:14:28 PM**

Work Order Number: **N069831**

Created by: **EF**

Checklist completed by:

E. Fanegof

Signature

11/11/2024

Date

Reviewed by:

J. Mayhew

Initials

11/11/2024

Date

1. All samples within holding time?

Yes ☒

No ☐

2. Refrigerator temperature in compliance?

Yes ☒

No ☐

3. Change Order documents present?

Yes ☒

No ☐

Comments:

WORK ORDER Summary

11-Nov-24

WorkOrder: N069831

Client ID: JACOB01

Project: PG&E Topock Compressor Station

Comments: Addendum for N069474.

QC Level: Level IV

Date Received: 11/8/2024 10:26 AM

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N069831-001A	AOC4-IDW-1	10/15/2024 12:30:00 PM	11/13/2024	Soil	EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA for STL	☐	☐	☐	WS
			11/13/2024		WET/ EPA 6010B	ICP METALS by STL	☐	☐	☐	WS
			11/13/2024		WET	STLC Sample Prep (Metals)	☐	☐	☐	WS
N069831-002A	AOC4-IDW-2	10/15/2024 12:50:00 PM	11/13/2024		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA for STL	☐	☐	☐	WS
			11/13/2024		WET/ EPA 6010B	ICP METALS by STL	☐	☐	☐	WS
			11/13/2024		WET	STLC Sample Prep (Metals)	☐	☐	☐	WS
N069831-003A	MW-20-IDW	10/15/2024 1:35:00 PM	11/13/2024		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA for STL	☐	☐	☐	WS
			11/13/2024		WET/ EPA 6010B	ICP METALS by STL	☐	☐	☐	WS
			11/13/2024		WET	STLC Sample Prep (Metals)	☐	☐	☐	WS
N069831-004A	Folder	11/13/2024	11/13/2024		Folder	Folder	☐	☐	☐	LAB

Appendix C

Off-site Soil Transportation and Disposal Manifests

For additional help with the information provided in the transportation and disposal manifests, please contact Daniel Talbot, Arcadis Report Lead, at 315-671-9483.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

Phillips #15

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number		b. Manifest Document Number 2		c. Page 1 of 1	
d. Generator's Name and Location: PG&E 145453 National Trails Highway Needles, CA 92363			e. Generator's Mailing Address: PG&E Manifests PO Box 28150 Oakland, CA 94604		
f. Phone: 916-626-0541			g. Phone: 916-626-0541		
If owner of the generating facility differs from the generator, provide:					
h. Owner's Name:			i. Owner's Phone No.:		
j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description		m. Containers No.	n. Total Quantity
51242417727	12/03/2025	AOC-4 Sediment Impacted Soil (Industrial Process) Material Code - VG-SW-CONT SOIL		1	1.4 Ton/CY
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
p. Generator Authorized Agent Name (Print) Benjamin Garrard on behalf of PG&E				r. Date 1/14/2025	
q. Signature <i>[Signature]</i>					

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: Phillips Excavating 805 E. Broadway Street Needles, CA 92363		
b. Phone: 760-221-8683		
c. Driver Name (Print) Derrick Sirekics	d. Signature <i>[Signature]</i>	e. Date 1-14-25

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: La Paz County Landfill, Inc (Company 5124) 26999 HWY 95 Mile Post 128 Parker, AZ 85344		c. US EPA Number AZR000520882	d. Discrepancy Indication Space:
b. Phone: 928.916.1253			
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>[Signature]</i>		f. Signature <i>[Signature]</i>	g. Date 1/14/25

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:		c. Responsible Agency Name and Address:	
b. Phone:		d. Phone:	
e. Special Handling Instructions and Additional Information:			
f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable			
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.			
g. Operator's Name and Title (Print)		i. Date	
h. Signature			
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both			

SITE
LAPAZ CO LANDFILL --
26999 HWY 95, MILE POST 128 PARKER, AZ 85344

CUSTOMER
001724
ARCADIS U.S. INC
ATTN: ACCOUNTS PAYABLE
HIGHLANDS RANCH, CO 80129

Contract:51242417727 PO:PO US3460021175
Generator:PG&E

SITE
66
TICKET #
913527
CELL

WEIGHMASTER
Dan J.

DATE/TIME IN
1/14/25 11:46 am
DATE/TIME OUT
1/14/25 12:00 pm

VEHICLE
GENERAL
CONTAINER

REFERENCE
PG&E..PHILLIPS 15

BILL OF LADING
2

SCALE IN GROSS WEIGHT	60,820	NET TONS	16.67	INBOUND
SCALE OUT TARE WEIGHT	27,480	NET WEIGHT	33,340	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
16.67	tn	SW-CONT SOIL Origin:SAN BERNARDINO 100%				
Signature _____						

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19) SIGNATURE _____

SITE
LAPAZ CO LANDFILL --
26999 HWY 95, MILE POST 128 -PARKER, AZ 85344

CUSTOMER
001724
ARCADIS U.S. INC
ATTN: ACCOUNTS PAYABLE
HIGHLANDS RANCH, CO 80129

Contract:51242417727 PO:PO US3460021175
Generator:PG&E

SITE
66
TICKET #
913527
CELL

WEIGHMASTER
Dan J.

DATE/TIME IN
1/14/25 11:46 am
DATE/TIME OUT
1/14/25 12:00 pm

VEHICLE
GENERAL
CONTAINER

REFERENCE
PG&E..PHILLIPS 15

BILL OF LADING
2

SCALE IN GROSS WEIGHT	60,820	NET TONS	16.67	INBOUND
SCALE OUT TARE WEIGHT	27,480	NET WEIGHT	33,340	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
16.67	tn	SW-CONT SOIL Origin:SAN BERNARDINO 100%				
Signature _____						

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19) SIGNATURE _____



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

Phillips # 22

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number		b. Manifest Document Number 1		c. Page 1 of 1	
d. Generator's Name and Location: PG&E 145453 National Trails Highway Needles, CA 92363			e. Generator's Mailing Address: PG&E Manifests PO Box 28150 Oakland, CA 94604		
f. Phone: 916-626-0541			g. Phone: 916-626-0541		
If owner of the generating facility differs from the generator, provide:					
h. Owner's Name:			i. Owner's Phone No.:		
j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	n. Total Quantity	o. Unit Wt/Vol
51242417727	12/03/2025	AOC-4 Sediment Impacted Soil (Industrial Process) Material Code - VG-SW-CONT SOIL	1	Dump Truck	1.4 Ton/CY
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
p. Generator Authorized Agent Name (Print) Benjamin Garrard on behalf of PG&E			q. Signature 	r. Date 1/14/2025	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: Phillips Excavating 805 E. Broadway Street Needles, CA 92363		
b. Phone: 760-221-8683		
c. Driver Name (Print) ASCENSION ESPINOZA	d. Signature 	e. Date 1-14-25

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: La Paz County Landfill, Inc (Company 5124) 26999 HWY 95 Mile Post 128 Parker, AZ 85344		b. Phone: 928.916.1253	c. US EPA Number AZR000520882	d. Discrepancy Indication Space:
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.				
e. Name of Authorized Agent (Print) Mark Johnson		f. Signature 		g. Date 1/14/25

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:		c. Responsible Agency Name and Address:	
b. Phone:		d. Phone:	
e. Special Handling Instructions and Additional Information:			
f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable			
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.			
g. Operator's Name and Title (Print)		h. Signature	
i. Date			
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both			

SITE
LAPAZ CO LANDFILL --
26999 HWY 95, MILE POST 128 PARKER, AZ 85344

CUSTOMER
001724
ARCADIS U.S. INC
ATTN: ACCOUNTS PAYABLE
HIGHLANDS RANCH, CO 80129

Contract:51242417727 PO:PO US3460021175
Generator:PG&E

SITE	TICKET #	CELL
66	913528	
WEIGHMASTER Dan J.		
DATE/TIME IN 1/14/25 11:52 am		DATE/TIME OUT 1/14/25 12:03 pm
VEHICLE GENERAL		CONTAINER
REFERENCE PG&E..PHILLIPS #22		
BILL OF LADING 1		

SCALE IN GROSS WEIGHT 64,320 NET TONS 18.75
SCALE OUT TARE WEIGHT 26,820 NET WEIGHT 37,500

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
18.75	tn	SW-CONT SOIL Origin:SAN BERNARDINO 100%				
Signature <u>Asconmu Egreu</u>						

NET AMOUNT

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RS-F042UPR (04/19)

SIGNATURE

TENDERED

CHANGE

CHECK#

SITE
LAPAZ CO LANDFILL --
26999 HWY 95, MILE POST 128 -PARKER, AZ 85344

CUSTOMER
001724
ARCADIS U.S. INC
ATTN: ACCOUNTS PAYABLE
HIGHLANDS RANCH, CO 80129

Contract:51242417727 PO:PO US3460021175
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SIGNATURE



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

1729

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number		b. Manifest Document Number 3		c. Page 1 of 1	
d. Generator's Name and Location: PG&E 145453 National Trails Highway Needles, CA 92363			e. Generator's Mailing Address: PG&E Manifests PO Box 28150 Oakland, CA 94604		
f. Phone: 916-626-0541			g. Phone: 916-626-0541		
If owner of the generating facility differs from the generator, provide:					
h. Owner's Name:			i. Owner's Phone No.:		
j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	n. Total Quantity	o. Unit Wt/Vol
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GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
p. Generator Authorized Agent Name (Print) DAVID DIAZ		q. Signature <i>David Diaz for PG&E</i>		r. Date 1-15-25	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: Phillips Excavating 805 E. Broadway Street Needles, CA 92363 b. Phone: 760-221-8683		
c. Driver Name (Print) Dominic Sireles	d. Signature <i>[Signature]</i>	e. Date 1-15-25

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: La Paz County Landfill, Inc (Company 5124) 26999 HWY 95 Mile Post 128 Parker, AZ 85344 b. Phone: 928.916.1253		c. US EPA Number AZR000520882	d. Discrepancy Indication Space:
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>[Signature]</i>	f. Signature <i>[Signature]</i>	g. Date 1/15/25	

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:		c. Responsible Agency Name and Address:	
b. Phone:		d. Phone:	
e. Special Handling Instructions and Additional Information:			
f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable			
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i. Date			
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both			

SITE LAPAZ CO LANDFILL --
26999 HWY 95, MILE POST 128 PARKER, AZ 85344

CUSTOMER001724

ARCADIS U.S. INC
ATTN: ACCOUNTS PAYABLE
HIGHLANDS RANCH, CO 80129

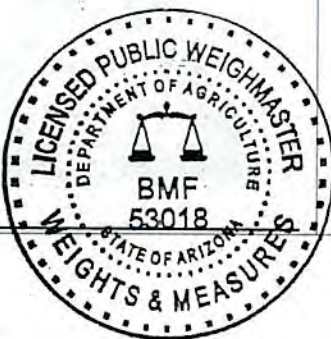
Contract:51242417727 PO:PO US3460021175
Generator:PG&E

SITE 66	TICKET # 913582	CELL
WEIGHMASTER Dan J.		
DATE/TIME IN 1/15/25 10:42 am	DATE/TIME OUT 1/15/25 10:42 am	
VEHICLE PHILLIPS #15	CONTAINER	
REFERENCE PG&E		
BILL OF LADING 3		

SCALE IN GROSS WEIGHT 64,360 NET TONS 18.44
TARE OUT TARE WEIGHT 27,480 NET WEIGHT 36,880

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
18.44	tn	SW-CONT SOIL Origin:SAN BERNARDINO 100%				
Signature						



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SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK#

SITE LAPAZ CO LANDFILL --
26999 HWY 95, MILE POST 128 -PARKER, AZ 85344

CUSTOMER001724

ARCADIS U.S. INC
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HIGHLANDS RANCH, CO 80129

Contract:51242417727 PO:PO US3460021175
Generator:PG&E

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BILL OF LADING 3		

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INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
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