

SEDIMENT ASSESSMENT SECOND SEASON

DEVIL'S GATE DAM AND RESERVOIR RESTORATION PROJECT

AUGUST 2020



SEDIMENT ASSESSMENT SECOND SEASON

DEVIL'S GATE DAM AND RESERVOIR RESTORATION PROJECT

Prepared for

Los Angeles County Flood Control District

Prepared by

Los Angeles County Public Works
Geotechnical and Materials Engineering Division

August 10, 2020

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INTRODUCTION

From July 14 through July 20, 2020, Los Angeles County Public Works (Public Works) conducted a subsurface assessment of the Devil's Gate Reservoir located in the City of Pasadena (Figure 1). Public Works operates the reservoir facility for the Los Angeles County Flood Control District. Public Works plans to restore the facility's water storage capacity by removing stormwater-accumulated sediments. The purpose of the sediment assessment is to characterize in-place sediments prior to the project's second season excavation activities.

SCOPE OF WORK

Under the oversight of Public Works' State-licensed professional geologist, Public Works' drill crew utilized their CME-75 truck-mounted hollow-stem auger drill rig to drill sixteen borings (Borings B-1 through B-16) within the reservoir bottom. Near-surface sediment samples were collected at 1-foot depths with the collection of depth-discrete sediment samples continuing at approximately 5-foot intervals to the completion depth of each boring (5 to 20 feet). Sediment samples were collected using the standard of practice and regulatory protocols necessary to ensure sample integrity. See Figures 2 and 3 for boring locations.

Within 24 hours of collection and under chain-of-custody protocol, the sediment samples were submitted to the American Environmental Testing Laboratory, Inc., a State-certified analytical laboratory located in Burbank, California. The collected sediment samples were analyzed by the following tests and methods:

- Title 22 Metals by United States Environmental Protection Agency (EPA) Method 6010B/7471A.
- Volatile and Semi-Volatile Organic Compounds by EPA Methods 8260B and 8270C, respectively.
- Polychlorinated Biphenyls by EPA Method 8082.
- Organochlorine Pesticides by EPA Method 8081A.
- Total Petroleum Hydrocarbons as gasoline, diesel, and heavy hydrocarbons by EPA Method 8015M.
- Perchlorate by EPA Method 314.0.
- Glyphosate by EPA Method 547M.

RESULTS

A summary of the analytical test results is included in the Table, Sediment Assessment Results – Second Season Table. Copies of the analytical laboratory reports and chain-of-custody forms are included in the Appendix.

SIGNATURE

All work was completed by and/or under the direct supervision of the undersigned State-licensed California Professional Geologists.

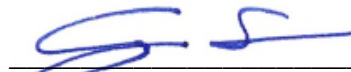
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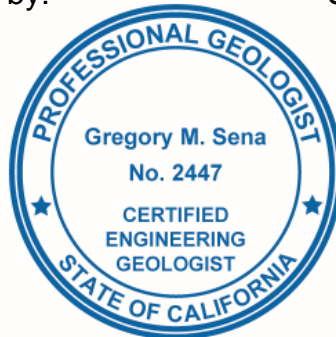
Ricardo Lopez-Maldonado
Senior Engineering Geology Assistant

Prepared and Reviewed by:

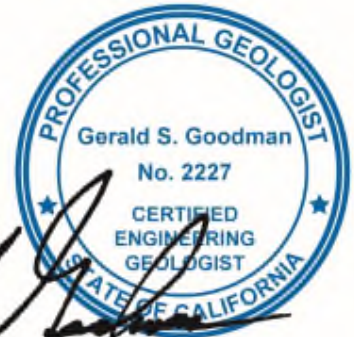
Submitted by:



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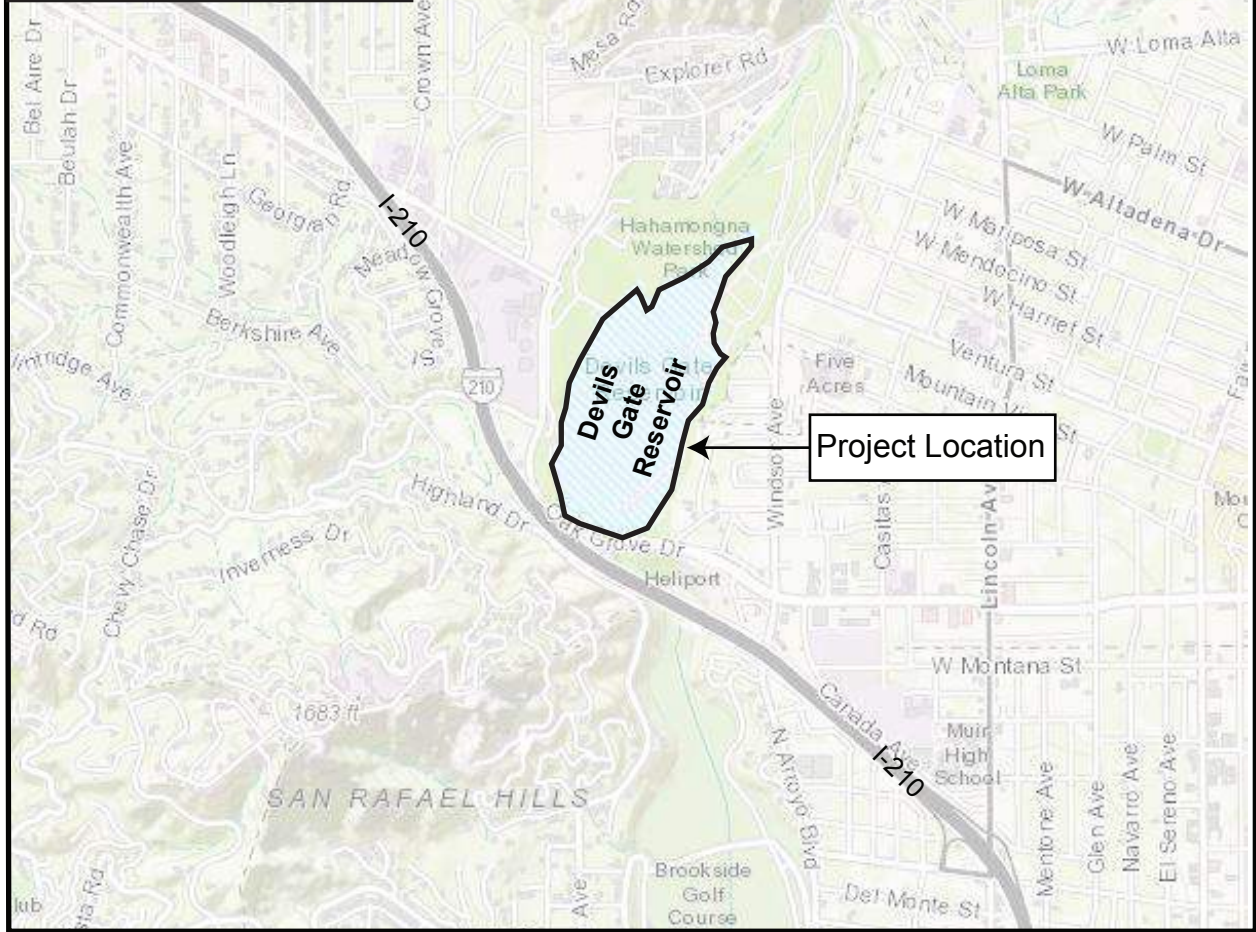
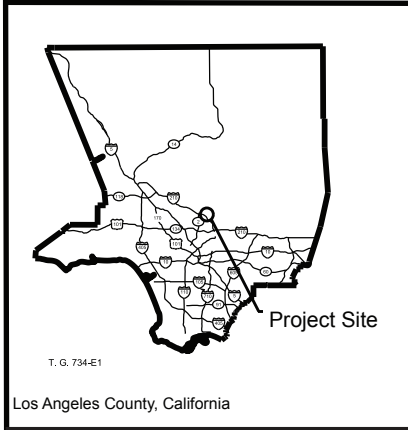


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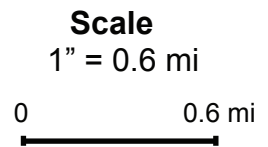
GME-3P:\gmepub\Secretarial\Geolnv\REPORTS\2020\DevilGateResResto 2nd.docx

Attach.

FIGURES



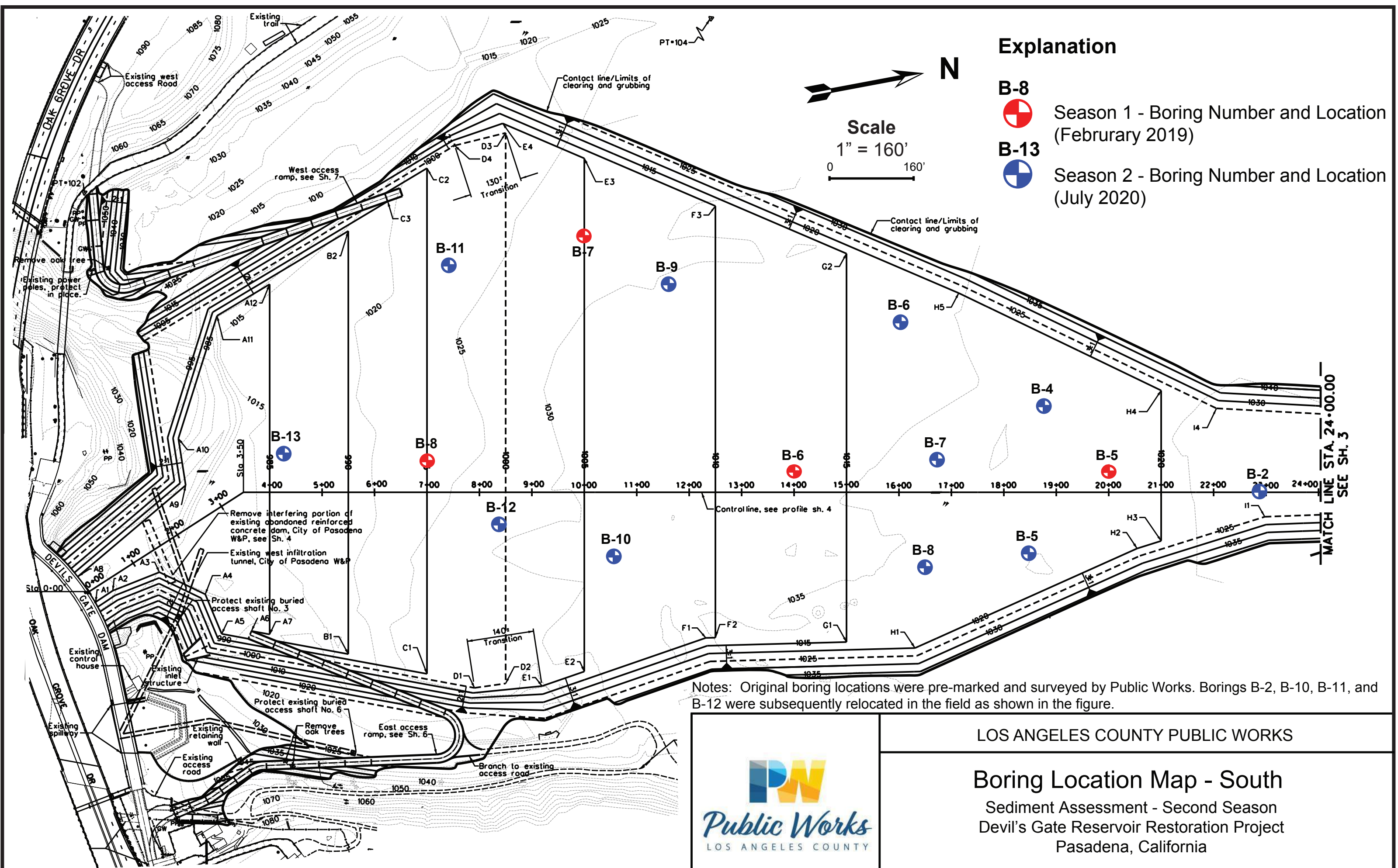
Reference: View LA, ESRI, Topographic Base Map, 2018



LOS ANGELES COUNTY PUBLIC WORKS

Vicinity Map

Sediment Assessment - Second Season
Devil's Gate Reservoir Restoration Project
Pasadena, California



Explanation

- **B-8** Season 1 - Boring Number and Location (February 2019)
- **B-13** Season 2 - Boring Number and Location (July 2020)



Scale
1" = 160'
0 160'

Notes: Original boring locations were pre-marked and surveyed by Public Works. Borings B-2, B-10, B-11, and B-12 were subsequently relocated in the field as shown in the figure.



LOS ANGELES COUNTY PUBLIC WORKS

Boring Location Map - South
Sediment Assessment - Second Season
Devil's Gate Reservoir Restoration Project
Pasadena, California

Explanation

B-2



Season 1 - Boring Number and Location
(February 2019)

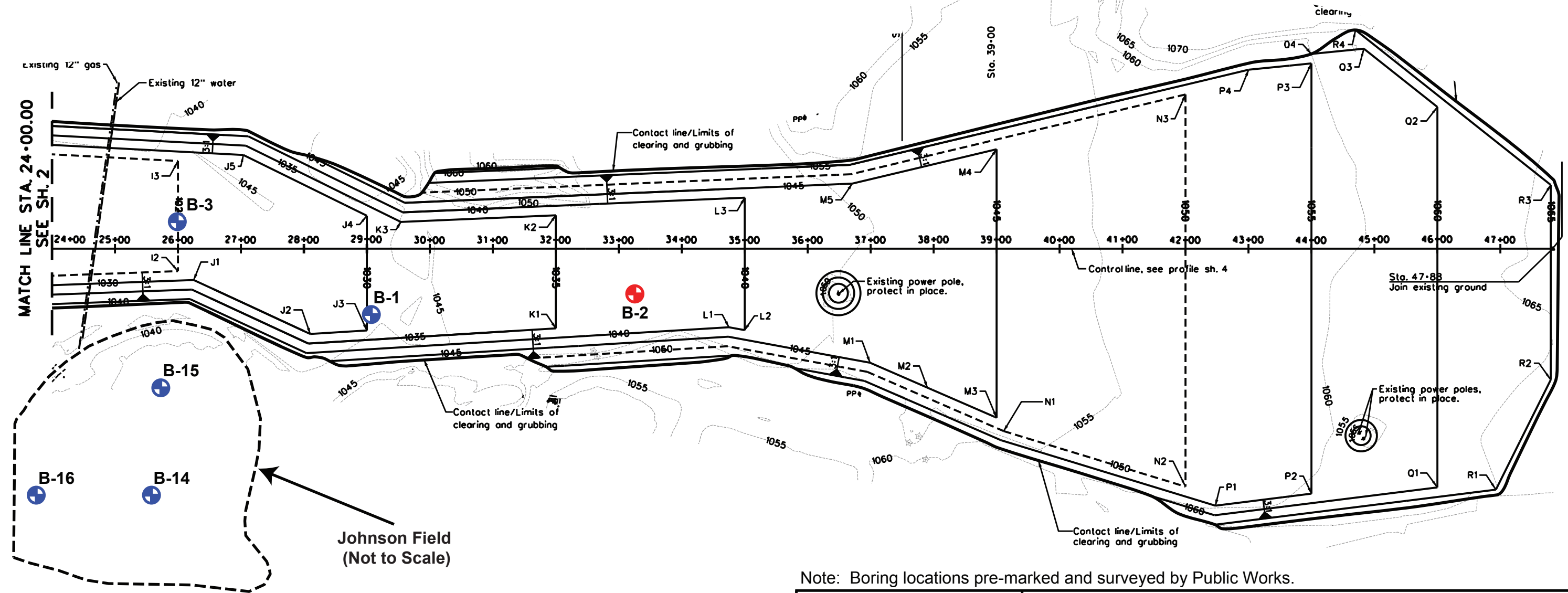
B-16




Season 2 - Boring Number and Location
(July 2020)



Scale
1" = 160'
0 160'



Note: Boring locations pre-marked and surveyed by Public Works.

	LOS ANGELES COUNTY PUBLIC WORKS		
	Boring Location Map - North Sediment Assessment - Second Season Devil's Gate Reservoir Restoration Project Pasadena, California		
Date: August 2020	Drafted by: RLM	PCA: HF00710004	FIGURE 3

TABLE

Table
Sediment Assessment Results - Second Season
Devil's Gate Reservoir Restoration Project



Boring Number			B1-S2				B2-S2				B3-S2				Regulatory		
Sample Identification			B1-S2-1	B1-S2-2	B1-S2-11.5	B1-S2-14	B2-S2-1	B2-S2-5	B2-S2-10	B2-S2-15	B3-S2-1	B3-S2-5	B3-S2-10	B3-S2-15	Guidelines		Limits
Sample Depth in Feet			1	5	11.5	14	1	5	10	15	1	5	10	15	US EPA [^]	Cal-DTSC [^]	CCR
Date Sampled			07/14/20	07/14/20	07/14/20	07/14/20	07/15/20	07/15/20	07/15/20	07/15/20	07/14/20	07/14/20	07/14/20	07/14/20	RSLs	RSLs	TTLc
Analyte / Constituent	MDL (mg/kg)	PQL (mg/kg)															
Perchlorate	0.0092	0.020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55	--	--
Glyphosate	--	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,300	--	--
Volatile Organic Compound - Benzene	0.0010	0.0100	0.00438J	0.00175J	0.00332J	ND	0.00315J	0.00119J	0.00638J	ND	0.00361J	0.00527J	0.00739J	ND	1.2	0.33	--
Volatile Organic Compound - Toluene	0.0010	0.0100	0.00175J	0.00141J	0.00186J	ND	ND	0.00414J	0.00230J	ND	0.00132J	0.00187J	0.00202J	ND	4,900	1,100	--
Volatile Organic Compound - Ethylbenzene	0.0010	0.0100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	--		
Volatile Organic Compound - Total Xylenes	0.0020	0.0300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	580.0	--		
Total Petroleum Hydrocarbons as Gasoline	0.100	1.000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Total Petroleum Hydrocarbons as Diesel	1.0	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Total Petroleum Hydrocarbons as Heavy Hydrocarbons	1.0	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Semi-Volatile Organic Compounds	0.25	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Organochlorine Pesticide - Aldrin	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.039	--	1.4
Organochlorine Pesticide - Chlordane (total)	0.0010	0.0020	ND	0.00191J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	--	2.5
Organochlorine Pesticide - DDD	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	--	1.0*
Organochlorine Pesticide - DDE	0.0010	0.0020	ND	0.00169J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	--	1.0*
Organochlorine Pesticide - DDT	0.0010	0.0020	ND	0.00183J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	--	1.0*
Organochlorine Pesticide - Dieldrin	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.034	--	8.0
Organochlorine Pesticide - Endrine	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	--	0.2
Polychlorinated Biphenyls	0.0200	0.0500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Title 22 Metal - Arsenic	1.0	5.0	1.75J	3.53J	4.92J	5.21	2.34J	2.21J	ND	1.46J	1.25J	2.21J	2.57J	1.21J	0.68	0.11 (12 ^{^^})	500
Title 22 Metal - Barium	2.5	5.0	51.2	112	111	39.1	30.6	49.1	26.2	92.3	39.7	46.1	44.0	121	15,000	--	10,000
Title 22 Metal - Cadmium	1.0	2.5	1.41J	3.06	3.04	1.19J	1.16J	1.62J	ND	2.28J	1.09J	1.34J	1.26J	2.38J	71	910	100
Title 22 Metal - Chromium	2.5	5.0	7.33	17.4	19.7	5.68	5.35	8.54	5.12	13.9	5.21	7.18	6.65	11.3	120,000	--	2,500
Title 22 Metal - Cobalt	2.5	5.0	5.38	12.0	11.8	4.27J	3.60J	6.14	3.18J	9.30	4.24J	5.36	4.82J	7.80	23	--	8,000
Title 22 Metal - Copper	2.5	5.0	7.19	23.1	30.0	5.79	4.74J	7.76	4.99J	18.2	5.16	6.46	6.34	12.9	3,100	--	2,500
Title 22 Metal - Lead	2.5	5.0	4.30J	12.8	23.4	3.35J	3.10J	6.08	2.67J	10.2	3.21J	4.84J	4.98J	ND	400	80	1,000
Title 22 Metal - Mercury	0.1	0.2	ND	0.157J	0.424	0.132J	ND	0.187J	ND	0.112J	0.145J	0.123J	ND	ND	11	1	20
Title 22 Metal - Molybdenum	2.0	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	--	3,500
Title 22 Metal - Nickel	2.5	5.0	4.54J	10.8	11.9	3.14J	ND	4.65J	2.80J	8.68	3.91J	3.91J	3.60J	4.51J	1,500	820	2,000
Title 22 Metal - Silver	2.0	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	--	500
Title 22 Metal - Vanadium	2.5	5.0	24.1	50.6	49.8	23.1	23.1	28.5	14.9	38.5	20.2	24.3	23.2	32.5	390	--	2,400
Title 22 Metal - Zinc	2.5	5.0	39.4	79.9	89.3	27.3	22.8	35.1	21.9	61.3	27.8	32.7	33.3	60.0	23,000	--	5,000

Footnote: Acronyms and abbreviations on Page 6 of Table.

**Table
Sediment Assessment Results - Second Season
Devil's Gate Reservoir Restoration Project**



Boring Number			B4-S2					B5-S2				B6-S2			Regulatory		
Sample Identification			B4-S2-1	B4-S2-5	B4-S2-10	B4-S2-15	B4-S2-20	B5-S2-1	B5-S2-5	B5-S2-10	B5-S2-15	B6-S2-1	B6-S2-5	B6-S2-10	Guidelines		Limits
Sample Depth in Feet			1	5	10	15	20	1	5	10	15	1	5	10	US EPA [^]	Cal-DTSC [^]	CCR
Date Sampled			07/17/20	07/17/20	07/17/20	07/17/20	07/17/20	07/15/20	07/15/20	07/15/20	07/14/20	07/16/20	07/16/20	07/16/20	RSLs	RSLs	TTLc
Analyte / Constituent	MDL (mg/kg)	PQL (mg/kg)															
Perchlorate	0.0092	0.020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55	--	--
Glyphosate	--	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,300	--	--
Volatile Organic Compound - Benzene	0.0010	0.0100	0.00499J	0.00244J	0.00181J	ND	ND	0.00254J	0.00215J	ND	ND	0.0108	0.00144J	0.00138J	1.2	0.33	--
Volatile Organic Compound - Toluene	0.0010	0.0100	0.00456J	ND	ND	ND	ND	0.00165J	ND	ND	ND	0.00944J	0.00221J	ND	4,900	1,100	--
Volatile Organic Compound - Ethylbenzene	0.0010	0.0100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	--	
Volatile Organic Compound - Total Xylenes	0.0020	0.0300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	580.0	--	
Total Petroleum Hydrocarbons as Gasoline	0.100	1.000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Total Petroleum Hydrocarbons as Diesel	1.0	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Total Petroleum Hydrocarbons as Heavy Hydrocarbons	1.0	5.0	10.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Semi-Volatile Organic Compounds	0.25	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Organochlorine Pesticide - Aldrin	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.039	--	1.4
Organochlorine Pesticide - Chlordane (total)	0.0010	0.0020	ND	ND	ND	ND	ND	ND	0.00154J	ND	ND	ND	ND	ND	1.7	--	2.5
Organochlorine Pesticide - DDD	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	--	1.0*
Organochlorine Pesticide - DDE	0.0010	0.0020	ND	ND	ND	ND	ND	0.00198J	ND	ND	ND	ND	ND	ND	2.0	--	1.0*
Organochlorine Pesticide - DDT	0.0010	0.0020	ND	ND	ND	ND	ND	0.00202	0.00144J	ND	ND	ND	ND	ND	1.9	--	1.0*
Organochlorine Pesticide - Dieldrin	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.034	--	8.0
Organochlorine Pesticide - Endrine	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	--	0.2
Polychlorinated Biphenyls	0.0200	0.0500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Title 22 Metal - Arsenic	1.0	5.0	2.49J	2.96J	ND	ND	ND	3.16J	4.14J	3.19J	1.14J	3.01J	2.87J	3.76J	0.68	0.11 (12 ^{^^})	500
Title 22 Metal - Barium	2.5	5.0	99.7	102	54.1	51.4	34.7	108	117	86.9	40.7	108	85.2	111	15,000	--	10,000
Title 22 Metal - Cadmium	1.0	2.5	2.79	2.92	1.67J	1.42J	ND	2.83	2.81	2.50	1.37J	ND	ND	ND	71	910	100
Title 22 Metal - Chromium	2.5	5.0	16.4	18.5	9.14	5.57	4.11J	16.4	21.7	11.1	7.02	20.1	10.8	19.9	120,000	--	2,500
Title 22 Metal - Cobalt	2.5	5.0	11.1	11.6	6.55	5.83	4.03J	11.2	11.0	10.0	4.27J	11.6	8.14	12.8	23	--	8,000
Title 22 Metal - Copper	2.5	5.0	17.5	24.4	7.29	6.24	6.14	26.0	22.1	13.9	6.91	23.6	15.1	26.6	3,100	--	2,500
Title 22 Metal - Lead	2.5	5.0	15.5	11.6	3.34J	4.08J	ND	13.3	16.5	5.46	2.95J	15.3	6.65	7.74	400	80	1,000
Title 22 Metal - Mercury	0.1	0.2	0.830	0.233	0.102J	0.113J	0.162J	0.203	0.166J	0.139J	ND	0.233	0.161J	0.232	11	1	20
Title 22 Metal - Molybdenum	2.0	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	--	3,500
Title 22 Metal - Nickel	2.5	5.0	9.76	11.4	5.43	3.38J	3.08J	10.3	12.4	6.75	3.44J	11.9	5.94	11.7	1,500	820	2,000
Title 22 Metal - Silver	2.0	5.0	ND	ND	ND	ND	3.16J	ND	ND	ND	ND	ND	ND	ND	390	--	500
Title 22 Metal - Vanadium	2.5	5.0	45.9	46.2	26.0	24.8	17.7	47.3	42.6	41.3	25.2	47.6	38.7	54.9	390	--	2,400
Title 22 Metal - Zinc	2.5	5.0	75.9	78.7	40.6	33.6	25.8	74.8	75.0	66.2	27.4	80.2	54.4	81.1	23,000	--	5,000

Footnote: Acronyms and abbreviations on Page 6 of Table.

Table
Sediment Assessment Results - Second Season
Devil's Gate Reservoir Restoration Project



Boring Number			B6-S2		B7-S2					B8-S2-1					Regulatory		
Sample Identification			B6-S2-15	B6-S2-20	B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15	B7-S2-20	B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15	B8-S2-20	Guidelines		Limits
Sample Depth in Feet			15	20	1	5	10	15	20	1	5	10	15	20	US EPA [^]	Cal-DTSC [^]	CCR
Date Sampled			07/16/20	07/16/20	07/16/20	07/16/20	07/16/20	07/16/20	07/16/20	07/16/20	07/16/20	07/16/20	07/16/20	07/16/20	RSLs	RSLs	TTLc
Analyte / Constituent	MDL (mg/kg)	PQL (mg/kg)															
Perchlorate	0.0092	0.020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55	--	--
Glyphosate	--	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,300	--	--
Volatile Organic Compound - Benzene	0.0010	0.0100	0.00289J	ND	0.00486J	0.00389J	ND	0.00217J	0.00246J	0.00632J	ND	ND	0.00322J	ND	1.2	0.33	--
Volatile Organic Compound - Toluene	0.0010	0.0100	ND	ND	0.00164J	0.00176J	ND	ND	ND	0.00236J	ND	ND	ND	ND	4,900	1,100	--
Volatile Organic Compound - Ethylbenzene	0.0010	0.0100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	--	
Volatile Organic Compound - Total Xylenes	0.0020	0.0300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	580.0	--	
Total Petroleum Hydrocarbons as Gasoline	0.100	1.000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Total Petroleum Hydrocarbons as Diesel	1.0	5.0	ND	ND	1.54J	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Total Petroleum Hydrocarbons as Heavy Hydrocarbons	1.0	5.0	ND	ND	12.7	ND	12.2	5.01	ND	15.0	ND	ND	ND	ND	--	--	--
Semi-Volatile Organic Compounds	0.25	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Organochlorine Pesticide - Aldrin	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.039	--	1.4
Organochlorine Pesticide - Chlordane (total)	0.0010	0.0020	ND	ND	ND	0.00464	0.00319	ND	ND	ND	ND	ND	ND	ND	1.7	--	2.5
Organochlorine Pesticide - DDD	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	--	1.0*
Organochlorine Pesticide - DDE	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	--	1.0*
Organochlorine Pesticide - DDT	0.0010	0.0020	ND	ND	ND	0.00369	0.00102J	ND	ND	ND	ND	ND	ND	ND	1.9	--	1.0*
Organochlorine Pesticide - Dieldrin	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.034	--	8.0
Organochlorine Pesticide - Endrine	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	--	0.2
Polychlorinated Biphenyls	0.0200	0.0500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Title 22 Metal - Arsenic	1.0	5.0	3.27J	3.75J	3.23J	3.38J	3.09J	3.84J	1.72J	2.80J	1.17J	1.73J	5.62	1.12J	0.68	0.11 (12 ^{^^})	500
Title 22 Metal - Barium	2.5	5.0	103	83.9	115	79.2	80.7	84.2	46.0	103	41.2	40.4	74.9	46.0	15,000	--	10,000
Title 22 Metal - Cadmium	1.0	2.5	ND	ND	ND	ND	ND	ND	ND	ND	1.38J	ND	ND	ND	71	910	100
Title 22 Metal - Chromium	2.5	5.0	18.9	12.2	22.0	12.6	13.9	22.9	7.96	18.1	5.45	8.29	11.9	8.71	120,000	--	2,500
Title 22 Metal - Cobalt	2.5	5.0	12.1	10.9	12.6	9.14	8.34	10.5	6.15	11.5	4.66J	5.05	9.15	4.89J	23	--	8,000
Title 22 Metal - Copper	2.5	5.0	16.0	15.4	20.2	15.4	65.2	19.1	9.91	19.7	5.72	6.94	24.4	6.10	3,100	--	2,500
Title 22 Metal - Lead	2.5	5.0	5.14	5.76	16.1	12.9	13.1	10.3	2.91J	18.3	2.90J	4.68J	11.6	ND	400	80	1,000
Title 22 Metal - Mercury	0.1	0.2	0.189J	0.170J	0.653	0.224	0.153J	0.270	0.219	0.214	0.222	0.138J	0.356	0.155J	11	1	20
Title 22 Metal - Molybdenum	2.0	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	--	3,500
Title 22 Metal - Nickel	2.5	5.0	10.2	7.31	12.0	7.14	7.40	9.12	4.21J	10.9	3.06J	3.49J	7.39	4.72J	1,500	820	2,000
Title 22 Metal - Silver	2.0	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	--	500
Title 22 Metal - Vanadium	2.5	5.0	51.5	45.5	51.7	41.3	37.9	41.4	29.7	46.1	25.4	38.9	43.2	28.3	390	--	2,400
Title 22 Metal - Zinc	2.5	5.0	74.8	66.4	91.8	63.1	94.2	68.0	34.5	84.2	25.7	34.7	68.4	25.6	23,000	--	5,000

Footnote: Acronyms and abbreviations on Page 6 of Table.

Table
Sediment Assessment Results - Second Season
Devil's Gate Reservoir Restoration Project



Boring Number			B9-S2			B10-S2		B11-S2				B12-S2			Regulatory		
Sample Identification			B9-S2-1	B9-S2-5	B9-S2-10	B10-S2-1	B10-S2-5	B11-S2-1	B11-S2-5	B11-S2-10	B11-S2-15	B12-S2-1	B12-S2-5	B12-S2-10	Guidelines		Limits
Sample Depth in Feet			1	5	10	1	5	1	5	10	15	1	5	10	US EPA [^]	Cal-DTSC [^]	CCR
Date Sampled			07/20/20	07/20/20	07/20/20	07/20/20	07/20/20	07/17/20	07/17/20	07/17/20	07/17/20	07/20/20	07/20/20	07/20/20	RSLs	RSLs	TTLc
Analyte / Constituent	MDL (mg/kg)	PQL (mg/kg)															
Perchlorate	0.0092	0.020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55	--	--
Glyphosate	--	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,300	--	--
Volatile Organic Compound - Benzene	0.0010	0.0100	ND	ND	ND	0.00624J	0.00110J	0.00243J	0.00479J	0.00914J	0.00277J	ND	0.00392J	ND	1.2	0.33	--
Volatile Organic Compound - Toluene	0.0010	0.0100	ND	ND	ND	0.00214J	ND	0.00171J	0.00112J	0.00261J	ND	ND	0.00204J	ND	4,900	1,100	--
Volatile Organic Compound - Ethylbenzene	0.0010	0.0100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00160J	ND	5.8	--	
Volatile Organic Compound - Total Xylenes	0.0020	0.0300	ND	0.00211J	ND	ND	ND	ND	ND	ND	ND	ND	0.01076J	ND	580.0	--	
Total Petroleum Hydrocarbons as Gasoline	0.100	1.000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Total Petroleum Hydrocarbons as Diesel	1.0	5.0	ND	ND	ND	ND	1.22J	ND	ND	ND	ND	1.78J	ND	ND	--	--	--
Total Petroleum Hydrocarbons as Heavy Hydrocarbons	1.0	5.0	ND	17.0	ND	9.76	6.62	14.8	ND	16.2	1.36J	ND	ND	ND	--	--	--
Semi-Volatile Organic Compounds	0.25	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Organochlorine Pesticide - Aldrin	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.039	--	1.4
Organochlorine Pesticide - Chlordane (total)	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	0.00150J	ND	ND	ND	ND	1.7	--	2.5
Organochlorine Pesticide - DDD	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	--	1.0*
Organochlorine Pesticide - DDE	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	--	1.0*
Organochlorine Pesticide - DDT	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	--	1.0*
Organochlorine Pesticide - Dieldrin	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.034	--	8.0
Organochlorine Pesticide - Endrine	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	--	0.2
Polychlorinated Biphenyls	0.0200	0.0500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Title 22 Metal - Arsenic	1.0	5.0	1.57J	2.06J	1.58J	4.92J	2.48J	2.24J	2.72J	3.21J	3.72J	1.20J	ND	ND	0.68	0.11 (12 ^{^^})	500
Title 22 Metal - Barium	2.5	5.0	58.0	79.6	24.8	89.8	100	107	93.4	76.2	91.8	38.1	40.1	36.5	15,000	--	10,000
Title 22 Metal - Cadmium	1.0	2.5	1.47J	2.54	ND	2.69	2.49J	2.76	2.20J	1.48J	2.53	1.13J	1.28J	1.13J	71	910	100
Title 22 Metal - Chromium	2.5	5.0	7.68	15.9	3.28J	18.8	11.3	18.1	14.9	11.3	11.8	4.96J	11.2	5.99	120,000	--	2,500
Title 22 Metal - Cobalt	2.5	5.0	6.20	9.40	3.12J	10.6	10.9	11.4	9.05	6.05	11.2	4.75J	4.98J	6.07	23	--	8,000
Title 22 Metal - Copper	2.5	5.0	8.67	14.5	4.66J	21.8	14.4	20.9	22.9	17.5	19.5	6.98	9.00	6.60	3,100	--	2,500
Title 22 Metal - Lead	2.5	5.0	3.01J	4.67J	ND	7.75	4.56J	15.0	21.9	36.2	6.39	2.92J	2.69J	ND	400	80	1,000
Title 22 Metal - Mercury	0.1	0.2	0.127J	0.339	0.133J	0.298	0.119J	0.181J	0.210	0.302	0.170J	0.237	0.497	ND	11	1	20
Title 22 Metal - Molybdenum	2.0	5.0	2.63J	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.38J	2.16J	390	--	3,500
Title 22 Metal - Nickel	2.5	5.0	5.97	9.25	ND	11.3	7.10	10.8	10.1	8.10	7.58	3.45J	3.93J	3.13J	1,500	820	2,000
Title 22 Metal - Silver	2.0	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	--	500
Title 22 Metal - Vanadium	2.5	5.0	26.4	40.0	17.3	44.0	44.1	44.6	36.0	23.9	48.0	22.5	23.3	23.2	390	--	2,400
Title 22 Metal - Zinc	2.5	5.0	37.3	60.7	20.9	71.9	64.2	76.5	67.4	63.3	74.9	32.6	29.3	25.3	23,000	--	5,000

Footnote: Acronyms and abbreviations on Page 6 of Table.

Table
Sediment Assessment Results - Second Season
Devil's Gate Reservoir Restoration Project



Boring Number			B13-S2			B14-S2			B15-S2			B16-S2		Regulatory		
Sample Identification			B13-S2-1	B13-S2-5	B13-S2-10	B14-S2-1	B14-S2-5	B14-S2-10	B15-S2-1	B15-S2-5	B15-S2-10	B16-S2-1	B16-S2-5	Guidelines		Limits
Sample Depth in Feet			1	5	10	1	5	10	1	5	10	1	5	US EPA [^]	Cal-DTSC [^]	CCR
Date Sampled			07/20/20	07/20/20	07/20/20	07/17/20	07/17/20	07/17/20	07/17/20	07/17/20	07/17/20	07/17/20	07/17/20	RSLs	RSLs	TTLc
Analyte / Constituent	MDL (mg/kg)	PQL (mg/kg)														
Perchlorate	0.0092	0.020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55	--	--
Glyphosate	--	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,300	--	--
Volatile Organic Compound - Benzene	0.0010	0.0100	0.00937J	0.00129J	0.00116J	0.00466J	0.00656J	ND	0.00349J	0.00418J	0.00372J	0.00118J	0.00224J	1.2	0.33	--
Volatile Organic Compound - Toluene	0.0010	0.0100	0.00329J	ND	ND	0.00482J	0.00216J	ND	0.00253J	0.00221J	ND	0.00116J	0.00109J	4,900	1,100	--
Volatile Organic Compound - Ethylbenzene	0.0010	0.0100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	--	
Volatile Organic Compound - Total Xylenes	0.0020	0.0300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	580.0	--	
Total Petroleum Hydrocarbons as Gasoline	0.100	1.000	ND	ND	ND	0.103J	ND	ND	ND	0.124J	ND	ND	ND	--	--	--
Total Petroleum Hydrocarbons as Diesel	1.0	5.0	ND	ND	ND	1.89J	ND	ND	1.85J	ND	ND	ND	ND	--	--	--
Total Petroleum Hydrocarbons as Heavy Hydrocarbons	1.0	5.0	ND	ND	ND	9.81	5.67	ND	10.2	ND	ND	ND	ND	--	--	--
Semi-Volatile Organic Compounds	0.25	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Organochlorine Pesticide - Aldrin	0.0010	0.0020	ND	ND	ND	ND	ND	ND	0.00298	ND	ND	ND	ND	0.039	--	1.4
Organochlorine Pesticide - Chlordane (total)	0.0010	0.0020	ND	ND	ND	0.00254	0.00127J	ND	0.00258	0.00160J	ND	ND	ND	1.7	--	2.5
Organochlorine Pesticide - DDD	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	--	1.0*
Organochlorine Pesticide - DDE	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	--	1.0*
Organochlorine Pesticide - DDT	0.0010	0.0020	ND	ND	ND	0.00444	ND	ND	ND	ND	ND	ND	ND	1.9	--	1.0*
Organochlorine Pesticide - Dieldrin	0.0010	0.0020	ND	ND	ND	ND	ND	ND	0.00110J	ND	ND	ND	ND	0.034	--	8.0
Organochlorine Pesticide - Endrine	0.0010	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	--	0.2
Polychlorinated Biphenyls	0.0200	0.0500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Title 22 Metal - Arsenic	1.0	5.0	1.92J	2.70J	ND	2.18J	1.60J	1.13J	2.29J	2.37J	ND	2.58J	2.24J	0.68	0.11 (12 ^{^^})	500
Title 22 Metal - Barium	2.5	5.0	54.2	141	60.4	82.3	51.7	53.8	99.3	107	31.0	69.8	61.7	15,000	--	10,000
Title 22 Metal - Cadmium	1.0	2.5	1.46J	3.06	1.41J	2.20J	1.59J	1.57J	2.46J	2.82	ND	2.23J	1.76J	71	910	100
Title 22 Metal - Chromium	2.5	5.0	8.36	13.7	7.66	12.1	9.44	6.25	17.1	16.2	3.71J	11.2	10.2	120,000	--	2,500
Title 22 Metal - Cobalt	2.5	5.0	6.09	13.2	5.55	8.30	6.16	6.12	9.44	11.0	3.20J	7.13	6.76	23	--	8,000
Title 22 Metal - Copper	2.5	5.0	8.49	19.1	7.63	17.2	9.33	10.1	22.2	19.9	4.63J	14.0	12.7	3,100	--	2,500
Title 22 Metal - Lead	2.5	5.0	5.78	6.60	ND	12.0	7.42	4.33J	14.8	18.3	ND	10.3	8.33	400	80	1,000
Title 22 Metal - Mercury	0.1	0.2	0.141J	0.102J	0.110J	0.255	0.153J	0.129J	0.175J	0.252	0.143J	0.290	0.237	11	1	20
Title 22 Metal - Molybdenum	2.0	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	--	3,500
Title 22 Metal - Nickel	2.5	5.0	5.26	9.17	4.71J	7.08	5.58	3.95J	8.16	9.77	2.81J	6.88	6.31	1,500	820	2,000
Title 22 Metal - Silver	2.0	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	--	500
Title 22 Metal - Vanadium	2.5	5.0	27.4	58.1	27.3	37.3	25.6	27.1	41.8	45.7	14.0	31.6	27.7	390	--	2,400
Title 22 Metal - Zinc	2.5	5.0	40.4	88.7	31.1	71.8	42.4	35.9	90.5	81.4	22.0	53.1	42.7	23,000	--	5,000

Footnote: Acronyms and abbreviations on Page 6 of Table.

Table
Sediment Assessment Results - Second Season
Devil's Gate Reservoir Restoration Project



Acronyms and Notes:

- ND = Not detected above the laboratory method detection limit (MDL). See Sediment Assessment Report Appendix for the Analytical Laboratory Report limits.
 - " J " = Detection above the laboratory MDL and below the laboratory practical quantitation limit (PQL). See Sediment Assessment Report Appendix for the Analytical Laboratory Report limits.
 - mg/kg = Milligrams per kilogram.
 - µg/kg = Micrograms per kilogram.
 - RSLs = Regional Screening Levels.
 - US EPA = United States Environmental Protection Agency, Region 9. Regional Screening Levels Summary Table (TR=1E-06, HQ=1), Residential Soils, May 2020.
 - Cal-DTSC = California Department of Toxic Substances Control. Human and Ecological Risk Office, Human Health Risk Assessment Note Number 3, DTSC-modified Regional Screening Levels, June 2020.
 - CCR = California Code of Regulations. Title 22, Division 4.5, Chapter 11, Article 3, §66261.24, Characteristics of Toxicity, Total Threshold Limit Concentrations, July 2020.
 - "^" = Indicates a risk-based screening level and is a regulatory guideline, not a limit.
 - " ^^ " = DTSC regional background arsenic soil concentration in Los Angeles County, undated.
 - " * " = Concentration limit for cumulative concentrations of DDD/DDE/DDT.
Confirmation perchlorate results not detected from samples B6-S2-10, B6-S2-15, and B7-S2-15.
- Unless identified, all other analytes or constituents tested were not detected above the analytical laboratory method detection limit and below the practical quantitation limit.

APPENDIX



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Number of Pages 38
Date Received 07/14/2020
Date Reported 07/17/2020

Telephone: (626)458-4923
Attention: Greg Sena

Job Number	Order Date	Client
105412	07/14/2020	LACDPW

Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.
Site: Devil's Gate Reservoir

Enclosed please find results of analyses of 8 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 13 pages

Checked By: _____

Approved By: _____

Joe Sevran
Laboratory Director



A KYZER LABS COMPANY

AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 N. NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP# 1541 & 2402 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: <i>LACDPW</i>			
Project Name:			
AETL Job Number: <i>105412</i>			
Date Received: <i>7/14/2020</i>		Received by: <i>Sargis-P</i>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<i>1</i>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <i>3.2</i> °C, No 2: , No 3:			
Type of sample containers: <input checked="" type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input checked="" type="checkbox"/> MeOH			
<input checked="" type="checkbox"/> Other (Specify): <i>Sodium borate</i>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<i>✓</i>		
2. Are the Sample labels legible?	<i>✓</i>		
3. Do samples match the COC?	<i>✓</i>		
4. Are the required analyses clear?	<i>✓</i>		
5. Is there enough samples for required analysis?	<i>✓</i>		
6. Are samples sealed with evidence tape?	<i>N/A</i>		
7. Are sample containers in good condition?	<i>✓</i>		
8. Are samples preserved?	<i>✓</i>		
9. Are samples preserved properly for the intended analysis?	<i>✓</i>		
10. Are the VOAs free of headspace?	<i>N/A</i>		
11. Are the jars free of headspace?	<i>✓</i>		

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.

Explain all "No" answers for above questions:



American Environmental Testing Laboratory Inc.

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Page: 1 A

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Project ID: HF00710004
Date Received 07/14/2020
Date Reported 07/17/2020

Telephone: (626) 458-4923

Attention: Greg Sena

Job Number	Order Date	Client
105412	07/14/2020	LACDPW

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 8 samples with the following specification on 07/14/2020.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
105412.01	B1-S2-1	07/14/2020	Soil	5
105412.02	B1-S2-5	07/14/2020	Soil	5
105412.03	B1-S2-11.5	07/14/2020	Soil	5
105412.04	B1-S2-14	07/14/2020	Soil	5
105412.05	B3-S2-1	07/14/2020	Soil	5
105412.06	B3-S2-5	07/14/2020	Soil	5
105412.07	B3-S2-10	07/14/2020	Soil	5
105412.08	B3-S2-15	07/14/2020	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(314.0)	07/17/2020	4	Rush	ug/Kg
(6010B/7000CAM)	07/17/2020	4	Rush	mg/Kg
(8081A)	07/17/2020	4	Rush	ug/Kg
(8082)	07/17/2020	4	Rush	ug/Kg
(8260B) ^ +OXY5035	07/17/2020	4	Rush	ug/Kg
(8270C)	07/17/2020	4	Rush	mg/Kg
(M8015D) ^ C13-C40	07/17/2020	4	Rush	mg/Kg
(M8015G)	07/17/2020	4	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By: 

Approved By: 

Joe Sevrean
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
GMED
900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 2

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0268

Our Lab I.D.		Method Blank	105412.01	105412.02	105412.03	105412.04
Client Sample I.D.			B1-S2-1	B1-S2-5	B1-S2-11.5	B1-S2-14
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020
Date Prepared		07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Preparation Method		314.0	314.0	314.0	314.0	314.0
Date Analyzed		07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Perchlorate	5.0	20.0	ND	ND	ND	ND



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

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LA County Dept. of Public Works
GMED
900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0268

Our Lab I.D.		105412.05	105412.06	105412.07	105412.08	
Client Sample I.D.		B3-S2-1	B3-S2-5	B3-S2-10	B3-S2-15	
Date Sampled		07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared		07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Preparation Method		314.0	314.0	314.0	314.0	
Date Analyzed		07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix		Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Perchlorate	5.0	20.0	ND	ND	ND	ND



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0715202C3

Our Lab I.D.			Method Blank	105412.01	105412.02	105412.03	105412.04
Client Sample I.D.				B1-S2-1	B1-S2-5	B1-S2-11.5	B1-S2-14
Date Sampled				07/14/2020	07/14/2020	07/14/2020	07/14/2020
Date Prepared			07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	1.75J	3.53J	4.92J	5.21
Barium	2.5	5.0	ND	51.2	112	111	39.1
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	ND	1.41J	3.06	3.04	1.19J
Chromium	2.5	5.0	ND	7.33	17.4	19.7	5.68
Cobalt	2.5	5.0	ND	5.38	12.0	11.8	4.27J
Copper	2.5	5.0	ND	7.19	23.1	30.0	5.79
Lead	2.5	5.0	ND	4.30J	12.8	23.4	3.35J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	0.157J	0.424	0.132J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	4.54J	10.8	11.9	3.14J
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	24.1	50.6	49.8	23.1
Zinc	2.5	5.0	ND	39.4	79.9	89.3	27.3



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0715202C3

Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Client Sample I.D.			B3-S2-1	B3-S2-5	B3-S2-10	B3-S2-15	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Antimony	1.0	5.0	ND	ND	ND	ND	
Arsenic	1.0	5.0	1.25J	2.21J	2.57J	1.21J	
Barium	2.5	5.0	39.7	46.1	44.0	121	
Beryllium	1.0	2.5	ND	ND	ND	ND	
Cadmium	1.0	2.5	1.09J	1.34J	1.26J	2.38J	
Chromium	2.5	5.0	5.21	7.18	6.65	11.3	
Cobalt	2.5	5.0	4.24J	5.36	4.82J	7.80	
Copper	2.5	5.0	5.16	6.46	6.34	12.9	
Lead	2.5	5.0	3.21J	4.48J	4.98J	ND	
Mercury (By EPA 7471)	0.1	0.2	0.145J	0.123J	ND	ND	
Molybdenum	2.0	5.0	ND	ND	ND	ND	
Nickel	2.5	5.0	3.91J	3.91J	3.60J	4.51J	
Selenium	1.0	5.0	ND	ND	ND	ND	
Silver	2.0	5.0	ND	ND	ND	ND	
Thallium	0.7	5.0	ND	ND	ND	ND	
Vanadium	2.5	5.0	20.2	24.3	23.2	32.5	
Zinc	2.5	5.0	27.8	32.7	33.3	60.0	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071520EB1

Our Lab I.D.		Method Blank	105412.01	105412.02	105412.03	105412.04	
Client Sample I.D.			B1-S2-1	B1-S2-5	B1-S2-11.5	B1-S2-14	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared		07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	1.19J	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	1.69J	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	1.83J	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	80.0	170.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		Method Blank	105412.01	105412.02	105412.03	105412.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	83.6	101	119	127	96.4
Tetrachloro-m-xylene	30-150	82.0	72.8	116	129	68.4



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071520EB1

Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Client Sample I.D.			B3-S2-1	B3-S2-5	B3-S2-10	B3-S2-15	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Aldrin	1.0	2.0	ND	ND	ND	ND	
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	
Dieldrin	1.0	2.0	ND	ND	ND	ND	
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	
Endrin	1.0	2.0	ND	ND	ND	ND	
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	
Endrin ketone	1.0	2.0	ND	ND	ND	ND	
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	
Heptachlor	1.0	2.0	ND	ND	ND	ND	
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND	ND	ND	
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	
Methoxychlor	5.0	10.0	ND	ND	ND	ND	
Toxaphene	80.0	170.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		105412.05	105412.06	105412.07	105412.08	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150	106	97.6	108	87.2	
Tetrachloro-m-xylene	30-150	71.6	83.6	96.8	69.6	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071520ZB1

Our Lab I.D.		Method Blank	105412.01	105412.02	105412.03	105412.04	
Client Sample I.D.			B1-S2-1	B1-S2-5	B1-S2-11.5	B1-S2-14	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared		07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/15/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105412.01	105412.02	105412.03	105412.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150	66.8	58.4	66.0	67.6	60.0	
Tetrachloro-m-xylene	30-150	103	91.6	147	131	79.6	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071520ZB1

Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Client Sample I.D.			B3-S2-1	B3-S2-5	B3-S2-10	B3-S2-15	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	
Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150		52.4	60.0	64.4	53.6	
Tetrachloro-m-xylene	30-150		80.0	82.8	125	77.2	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0715201A1

Our Lab I.D.			Method Blank	105412.01	105412.02	105412.03	105412.04
Client Sample I.D.				B1-S2-1	B1-S2-5	B1-S2-11.5	B1-S2-14
Date Sampled				07/14/2020	07/14/2020	07/14/2020	07/14/2020
Date Prepared			07/14/2020	07/14/2020	07/14/2020	07/14/2020	07/14/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	4.38J	1.75J	3.32J	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0715201A1

Our Lab I.D.			Method Blank	105412.01	105412.02	105412.03	105412.04
Client Sample I.D.				B1-S2-1	B1-S2-5	B1-S2-11.5	B1-S2-14
Date Sampled				07/14/2020	07/14/2020	07/14/2020	07/14/2020
Date Prepared			07/14/2020	07/14/2020	07/14/2020	07/14/2020	07/14/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	1.75J	1.41J	1.86J	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0715201A1

Our Lab I.D.		Method Blank	105412.01	105412.02	105412.03	105412.04	
Client Sample I.D.			B1-S2-1	B1-S2-5	B1-S2-11.5	B1-S2-14	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared		07/14/2020	07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105412.01	105412.02	105412.03	105412.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	87.1	87.8	87.9	88.5	87.8	
Dibromofluoromethane	75-125	109	111	111	111	111	
Toluene-d8	75-125	97.4	97.2	96.5	97.8	96.4	



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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0715201A1

Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Client Sample I.D.			B3-S2-1	B3-S2-5	B3-S2-10	B3-S2-15	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	3.61J	5.27J	7.93J	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0715201A1

Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Client Sample I.D.			B3-S2-1	B3-S2-5	B3-S2-10	B3-S2-15	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	1.32J	1.87J	2.02J	ND	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0715201A1

Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Client Sample I.D.			B3-S2-1	B3-S2-5	B3-S2-10	B3-S2-15	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	
Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		86.3	87.7	88.7	85.4	
Dibromofluoromethane	75-125		112	110	112	110	
Toluene-d8	75-125		96.1	97.2	97.6	96.5	



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ANALYTICAL RESULTS

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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071520JB1

Our Lab I.D.			Method Blank	105412.01	105412.02	105412.03	105412.04
Client Sample I.D.				B1-S2-1	B1-S2-5	B1-S2-11.5	B1-S2-14
Date Sampled				07/14/2020	07/14/2020	07/14/2020	07/14/2020
Date Prepared			07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/16/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071520JB1

Our Lab I.D.			Method Blank	105412.01	105412.02	105412.03	105412.04
Client Sample I.D.				B1-S2-1	B1-S2-5	B1-S2-11.5	B1-S2-14
Date Sampled				07/14/2020	07/14/2020	07/14/2020	07/14/2020
Date Prepared			07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/16/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071520JB1

Our Lab I.D.		Method Blank	105412.01	105412.02	105412.03	105412.04	
Client Sample I.D.			B1-S2-1	B1-S2-5	B1-S2-11.5	B1-S2-14	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared		07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/16/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
Pyridine	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105412.01	105412.02	105412.03	105412.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
2-Fluorophenol	25-121	56.8	61.0	52.8	49.8	62.4	
2-Fluorobiphenyl	30-115	67.2	69.6	59.6	62.8	73.2	
Nitrobenzene-d5	23-120	59.6	62.8	52.0	54.4	63.6	
Phenol-d6	21-113	50.6	57.6	50.2	42.6	52.5	
p-Terphenyl-D14	18-137	135	136	120	127	129	
2,4,6-Tribromophenol	19-122	66.0	71.8	56.2	61.0	69.4	



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071520JB1

Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Client Sample I.D.			B3-S2-1	B3-S2-5	B3-S2-10	B3-S2-15	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acenaphthene	0.25	0.50	ND	ND	ND	ND	
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	
Anthracene	0.25	0.50	ND	ND	ND	ND	
Azobenzene	0.25	0.50	ND	ND	ND	ND	
Benzidine	0.25	0.50	ND	ND	ND	ND	
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	
Chrysene	0.25	0.50	ND	ND	ND	ND	
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071520JB1

Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Client Sample I.D.			B3-S2-1	B3-S2-5	B3-S2-10	B3-S2-15	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	
Fluoranthene	0.25	0.50	ND	ND	ND	ND	
Fluorene	0.25	0.50	ND	ND	ND	ND	
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	
Isophorone	0.25	0.50	ND	ND	ND	ND	
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	
Naphthalene	0.25	0.50	ND	ND	ND	ND	
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071520JB1

Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Client Sample I.D.			B3-S2-1	B3-S2-5	B3-S2-10	B3-S2-15	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	
Phenanthrene	0.25	0.50	ND	ND	ND	ND	
Phenol	0.25	0.50	ND	ND	ND	ND	
Pyrene	0.25	0.50	ND	ND	ND	ND	
Pyridine	0.25	0.50	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	
Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
2-Fluorophenol	25-121		63.6	57.8	54.8	62.4	
2-Fluorobiphenyl	30-115		74.4	68.8	70.4	70.4	
Nitrobenzene-d5	23-120		64.0	59.6	58.0	63.2	
Phenol-d6	21-113		53.3	50.0	47.6	54.0	
p-Terphenyl-D14	18-137		137	132	135	132	
2,4,6-Tribromophenol	19-122		68.4	65.0	66.4	68.6	



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0715200B1

Our Lab I.D.		Method Blank	105412.01	105412.02	105412.03	105412.04
Client Sample I.D.			B1-S2-1	B1-S2-5	B1-S2-11.5	B1-S2-14
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020
Date Prepared		07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Preparation Method		5030	5035A	5035A	5035A	5035A
Date Analyzed		07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105412.01	105412.02	105412.03	105412.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125	105	108	107	109	107



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0715200B1

Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Client Sample I.D.			B3-S2-1	B3-S2-5	B3-S2-10	B3-S2-15	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	
Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		109	109	107	106	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071520DB1

Our Lab I.D.		Method Blank	105412.01	105412.02	105412.03	105412.04
Client Sample I.D.			B1-S2-1	B1-S2-5	B1-S2-11.5	B1-S2-14
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020
Date Prepared		07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Preparation Method		3550B	3550B	3550B	3550B	3550B
Date Analyzed		07/15/2020	07/15/2020	07/15/2020	07/15/2020	07/15/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105412.01	105412.02	105412.03	105412.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		94.7	95.0	94.4	96.2



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Telephone: (626)458-4923

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071520DB1

Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Client Sample I.D.			B3-S2-1	B3-S2-5	B3-S2-10	B3-S2-15	
Date Sampled			07/14/2020	07/14/2020	07/14/2020	07/14/2020	
Date Prepared			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	
Our Lab I.D.			105412.05	105412.06	105412.07	105412.08	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125		97.1	96.3	100	97.7	



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0268; Dup or Spiked Sample: 105412.01; LCS: Clean Sand; QC Prepared: 07/15/2020; QC Analyzed: 07/15/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Perchlorate	0.00	500	520	104	500	540	108	3.8	70-130	<30

QC Batch No: B0G0268; Dup or Spiked Sample: 105412.01; LCS: Clean Sand; QC Prepared: 07/15/2020; QC Analyzed: 07/15/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Perchlorate	500	560	112	80-120						



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0715202C3; Dup or Spiked Sample: 105412.01; LCS: Clean Sand; QC Prepared: 07/15/2020; QC Analyzed: 07/15/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	52.0	104	50.0	52.0	104	<1	75-125	<15
Arsenic	1.75	50.0	54.3	105	50.0	54.3	105	<1	75-125	<15
Barium	51.2	50.0	98.6	94.8	50.0	98.5	94.6	<1	75-125	<15
Beryllium	0.00	50.0	54.5	109	50.0	54.0	108	<1	75-125	<15
Cadmium	1.41	50.0	50.6	98.4	50.0	50.2	97.6	<1	75-125	<15
Chromium	7.33	50.0	58.3	102	50.0	58.3	102	<1	75-125	<15
Cobalt	5.38	50.0	56.4	102	50.0	56.4	102	<1	75-125	<15
Copper	7.19	50.0	62.7	111	50.0	63.2	112	<1	75-125	<15
Lead	4.30	50.0	51.1	93.6	50.0	51.0	93.4	<1	75-125	<15
Mercury (By EPA 7471)	0.0110	0.500	0.486	95.0	0.500	0.486	95.0	<1	75-125	<15
Molybdenum	0.00	50.0	52.0	104	50.0	52.5	105	<1	75-125	<15
Nickel	4.54	50.0	54.1	99.1	50.0	53.8	98.5	<1	75-125	<15
Selenium	0.00	50.0	46.3	92.6	50.0	46.1	92.2	<1	75-125	<15
Silver	0.00	50.0	48.4	96.8	50.0	48.3	96.6	<1	75-125	<15
Thallium	0.00	50.0	36.6 M	73.2	50.0	36.7 M	73.4	<1	75-125	<15
Vanadium	24.1	50.0	77.6	107	50.0	77.1	106	<1	75-125	<15
Zinc	39.4	50.0	85.5	92.2	50.0	85.2	91.6	<1	75-125	<15

QC Batch No: 0715202C3; Dup or Spiked Sample: 105412.01; LCS: Clean Sand; QC Prepared: 07/15/2020; QC Analyzed: 07/15/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Antimony	50.0	57.9	116	50.0	57.1	114	1.7	75-125	<15
Arsenic	50.0	57.6	115	50.0	57.4	115	<1	75-125	<15
Barium	50.0	55.8	112	50.0	56.1	112	<1	75-125	<15
Beryllium	50.0	58.1	116	50.0	57.5	115	<1	75-125	<15
Cadmium	50.0	55.6	111	50.0	56.3	113	1.8	75-125	<15
Chromium	50.0	57.1	114	50.0	56.1	112	1.8	75-125	<15
Cobalt	50.0	56.6	113	50.0	56.9	114	<1	75-125	<15
Copper	50.0	56.7	113	50.0	57.0	114	<1	75-125	<15



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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0715202C3; Dup or Spiked Sample: 105412.01; LCS: Clean Sand; QC Prepared: 07/15/2020; QC Analyzed: 07/15/2020;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	56.5	113	50.0	56.2	112	<1	75-125	<15	
Mercury (By EPA 7471)	0.500	0.480	96.0	0.500	0.478	95.6	<1	75-125	<15	
Molybdenum	50.0	56.0	112	50.0	55.5	111	<1	75-125	<15	
Nickel	50.0	55.3	111	50.0	55.8	112	<1	75-125	<15	
Selenium	50.0	57.1	114	50.0	56.2	112	1.8	75-125	<15	
Silver	50.0	52.6	105	50.0	56.8	114	8.2	75-125	<15	
Thallium	50.0	55.0	110	50.0	54.0	108	1.8	75-125	<15	
Vanadium	50.0	56.5	113	50.0	56.8	114	<1	75-125	<15	
Zinc	50.0	57.2	114	50.0	57.7	115	<1	75-125	<15	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071520EB1; Dup or Spiked Sample: 105411.02; LCS: Clean Sand; QC Prepared: 07/15/2020; QC Analyzed: 07/15/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	24.0	120	20.0	21.8	109	9.6	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	68.5	137	50.0	73.5	147	7.0	40-150	<40
Dieldrin	0.00	50.0	62.0	124	50.0	57.0	114	8.4	40-150	<40
Endrin	0.00	50.0	66.0	132	50.0	63.0	126	4.7	40-150	<40
Heptachlor	0.00	20.0	23.4	117	20.0	22.0	110	6.2	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	22.0	110	20.0	20.6	103	6.6	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	29.0	116	25.0	28.3	113	2.6	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	27.0	108	25.0	24.9	99.6	8.1	30-150	<40

QC Batch No: 071520EB1; Dup or Spiked Sample: 105411.02; LCS: Clean Sand; QC Prepared: 07/15/2020; QC Analyzed: 07/15/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aldrin	20.0	21.5	108	20.0	19.9	99.5	8.2	50-150	<40
4,4'-DDT (DDT)	50.0	75.0	150	50.0	54.0	108	32.6	50-150	<40
Dieldrin	50.0	59.0	118	50.0	52.3	105	11.7	50-150	<40
Endrin	50.0	66.7	133	50.0	54.9	110	18.9	50-150	<40
Heptachlor	20.0	22.9	115	20.0	19.6	98.0	16.0	50-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	21.4	107	20.0	18.8	94.0	12.9	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	31.8	127	25.0	23.5	94.0	29.9	30-150	<40
Tetrachloro-m-xylene	25.0	24.4	97.6	25.0	22.6	90.4	7.7	30-150	<40



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071520ZB1; Dup or Spiked Sample: 105411.02; LCS: Clean Sand; QC Prepared: 07/15/2020; QC Analyzed: 07/15/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	650	130	500	550	110	16.7	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	331	66.2	500	357	71.4	7.6	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	20.3	81.2	25.0	18.9	75.6	7.1	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	27.8	111	25.0	28.0	112	<1	30-150	<40

QC Batch No: 071520ZB1; Dup or Spiked Sample: 105411.02; LCS: Clean Sand; QC Prepared: 07/15/2020; QC Analyzed: 07/15/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aroclor-1016 (PCB-1016)	500	603	121	500	664	133	9.4	50-150	<40
Aroclor-1260 (PCB-1260)	500	400	80.0	500	303	60.6	27.6	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	24.6	98.4	25.0	15.7	62.8	44.2	30-150	<40
Tetrachloro-m-xylene	25.0	29.9	120	25.0	29.6	118	1.7	30-150	<40



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0715201A1; Dup or Spiked Sample: 105412.06; LCS: Clean Sand; QC Prepared: 07/14/2020; QC Analyzed: 07/15/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	46.5	92.9	50.0	45.7	91.3	1.7	75-125	<20
Chlorobenzene	0.00	50.0	46.2	92.4	50.0	45.3	90.6	2.0	75-125	<20
1,1-Dichloroethene	0.00	50.0	54.0	108	50.0	53.5	107	<1	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	46.2	92.3	50.0	45.4	90.7	1.7	75-125	<20
Trichloroethene	0.00	50.0	51.0	102	50.0	50.5	101	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	47.8	95.6	50.0	47.4	94.8	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	43.8	87.6	50.0	44.1	88.2	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	54.0	108	50.0	54.0	108	<1	75-125	<20
Toluene-d8	0.00	50.0	48.0	95.9	50.0	48.5	96.9	1.0	75-125	<20

QC Batch No: 0715201A1; Dup or Spiked Sample: 105412.06; LCS: Clean Sand; QC Prepared: 07/14/2020; QC Analyzed: 07/15/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Benzene	50.0	56.4	113	50.0	56.6	113	<1	75-125	<20
Chlorobenzene	50.0	54.2	108	50.0	54.3	109	<1	75-125	<20
1,1-Dichloroethene	50.0	58.1	116	50.0	59.3	119	2.6	75-125	<20
Toluene (Methyl benzene)	50.0	53.0	106	50.0	53.6	107	<1	75-125	<20
Trichloroethene	50.0	56.9	114	50.0	57.0	114	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	56.9	114	50.0	58.2	116	1.7	75-125	<20
LCS									
Chloroform (Trichloromethane)	50.0	57.0	114	50.0	58.2	116	1.7	75-125	<20
Ethylbenzene	50.0	53.4	107	50.0	54.3	109	1.9	75-125	<20
1,1,1-Trichloroethane	50.0	56.8	114	50.0	57.1	114	<1	75-125	<20
o-Xylene	50.0	54.6	109	50.0	55.3	111	1.8	75-125	<20
m,p-Xylenes	100	111	111	100	112	112	<1	75-125	<20
Surrogates									
Bromofluorobenzene	50.0	43.6	87.1	50.0	44.0	88.0	1.0	75-125	<20
Dibromofluoromethane	50.0	54.3	109	50.0	54.9	110	<1	75-125	<20



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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0715201A1; Dup or Spiked Sample: 105412.06; LCS: Clean Sand; QC Prepared: 07/14/2020; QC Analyzed: 07/15/2020;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	47.5	95.1	50.0	48.0	95.9	<1	75-125	<20	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071520JB1; Dup or Spiked Sample: 105412.05; LCS: Clean Sand; QC Prepared: 07/15/2020; MS Analyzed: 07/16/2020;
 LCS Analyzed: 07/15/2020; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Acenaphthene	0.00	2.50	1.49	59.6	2.50	1.46	58.4	2.0	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	2.80	56.0	5.00	2.76	55.2	1.4	39-98	<20
2-Chlorophenol	0.00	5.00	2.99	59.8	5.00	2.94	58.8	1.7	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	1.41	56.4	2.50	1.48	59.2	4.8	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	1.65	66.0	2.50	1.54	61.6	6.9	50-140	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	1.61	64.4	2.50	1.59	63.6	1.3	41-116	<20
4-Nitrophenol	0.00	5.00	1.99	39.7	5.00	1.68	33.6	16.6	10-110	<20
Pentachlorophenol	0.00	5.00	2.65	53.0	5.00	2.22	44.4	17.7	40-125	<20
Phenol	0.00	5.00	2.27	45.4	5.00	2.25	45.0	<1	12-89	<20
Pyrene	0.00	2.50	2.95	118	2.50	2.80	112	5.2	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	1.85	74.0	2.50	1.81	72.4	2.2	39-98	<20
Surrogates										
2-Fluorophenol	0.00	5.00	3.12	62.4	5.00	3.11	62.2	<1	25-121	<20
2-Fluorobiphenyl	0.00	2.50	1.72	68.8	2.50	1.75	70.0	1.7	30-115	<20
Nitrobenzene-d5	0.00	2.50	1.66	66.4	2.50	1.65	66.0	<1	23-120	<20
p-Terphenyl-D14	0.00	2.50	3.40	136	2.50	3.25	130	4.5	18-137	<20
Phenol-d6	0.00	5.00	2.74	54.7	5.00	2.80	56.0	2.3	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	3.93	78.6	5.00	3.80	76.0	3.4	19-122	<20

QC Batch No: 071520JB1; Dup or Spiked Sample: 105412.05; LCS: Clean Sand; QC Prepared: 07/15/2020; MS Analyzed: 07/16/2020;
 LCS Analyzed: 07/15/2020; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Acenaphthene	2.50	1.49	59.6	2.50	1.54	61.6	3.3	31-137	<20
4-Chloro-3-methylphenol	5.00	2.90	58.0	5.00	3.14	62.8	7.9	40-99	<20
2-Chlorophenol	5.00	2.98	59.6	5.00	3.04	60.8	2.0	25-102	<20
1,4-Dichlorobenzene	2.50	1.48	59.2	2.50	1.52	60.8	2.7	28-104	<20
2,4-Dinitrotoluene	2.50	1.70	68.0	2.50	1.80	72.0	5.7	50-140	<20
N-Nitroso-Di-n-propylamine	2.50	1.65	66.0	2.50	1.72	68.8	4.2	41-126	<20
4-Nitrophenol	5.00	2.00	40.0	5.00	2.25	44.9	11.5	11-114	<20



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071520JB1; Dup or Spiked Sample: 105412.05; LCS: Clean Sand; QC Prepared: 07/15/2020; MS Analyzed: 07/16/2020;
LCS Analyzed: 07/15/2020; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Pentachlorophenol	5.00	2.71	54.2	5.00	3.04	60.8	11.5	17-125	<20	
Phenol	5.00	2.28	45.6	5.00	2.34	46.8	2.6	26-90	<20	
Pyrene	2.50	2.98	119	2.50	3.10	124	4.1	35-142	<20	
1,2,4-Trichlorobenzene	2.50	1.85	74.0	2.50	1.90	76.0	2.7	38-107	<20	
Surrogates										
2-Fluorophenol	5.00	2.97	59.4	5.00	3.01	60.2	1.3	25-121	<20	
2-Fluorobiphenyl	2.50	1.70	68.0	2.50	1.71	68.4	<1	30-115	<20	
Nitrobenzene-d5	2.50	1.63	65.2	2.50	1.67	66.8	2.4	23-120	<20	
p-Terphenyl-D14	2.50	3.40	136	2.50	3.35	134	1.5	18-137	<20	
Phenol-d6	5.00	2.81	56.1	5.00	2.80	55.9	<1	24-113	<20	
2,4,6-Tribromophenol	5.00	3.93	78.6	5.00	4.15	83.0	5.4	19-122	<20	



American Environmental Testing Laboratory Inc.

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 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

LA County Dept. of Public Works
 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 37

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071520DB1; Dup or Spiked Sample: 105412.06; LCS: Clean Sand; QC Prepared: 07/15/2020; QC Analyzed: 07/15/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	499	99.8	500	505	101	1.2	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	90.9	90.9	100	90.1	90.1	<1	75-125	<20

QC Batch No: 071520DB1; Dup or Spiked Sample: 105412.06; LCS: Clean Sand; QC Prepared: 07/15/2020; QC Analyzed: 07/15/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	500	100	75-125						
Surrogates										
Chlorobenzene	100	90.1	90.1	75-125						



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QUALITY CONTROL RESULTS

Ordered By

LA County Dept. of Public Works
 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 38

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105412	07/14/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0715200B1; Dup or Spiked Sample: 105412.06AG; LCS: Clean Sand; QC Prepared: 07/15/2020; QC Analyzed: 07/15/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.757	75.7	1.00	0.755	75.5	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0550	110	0.0500	0.0535	107	2.8	75-125	<20

QC Batch No: 0715200B1; Dup or Spiked Sample: 105412.06AG; LCS: Clean Sand; QC Prepared: 07/15/2020; QC Analyzed: 07/15/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.830	83.0	1.00	0.835	83.5	<1	75-125	<20
Surrogates									
Bromofluorobenzene	0.0500	0.0551	110	0.0500	0.0540	108	1.8	75-125	<20



AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

- #: Recovery is not within acceptable control limits.
- *: In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
- B: Analyte was present in the Method Blank.
- D: Result is from a diluted analysis.
- E: Result is beyond calibration limits and is estimated.
- H: Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
- J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- M: Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
- MCL: Maximum Contaminant Level
- NS: No Standard Available
- S6: Surrogate recovery is outside control limits due to matrix interference.
- S8: The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
- X: Results represent LCS and LCSD data.

Definition:

- %Limi: Percent acceptable limits.
- %REC: Percent recovery.
- Con.L: Acceptable Control Limits
- Conce: Added concentration to the sample.
- LCS: Laboratory Control Sample
- MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference


ADVANCED TECHNOLOGY
LABORATORIES

July 17, 2020

Jim Lin
AETL
2834 North Naomi Street
Burbank, CA 91504
Tel: (818) 845-8200
Fax: (818) 845-8840

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2001698
Client Reference : 105412

Enclosed are the results for sample(s) received on July 15, 2020 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Dr. Reza Karimi
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

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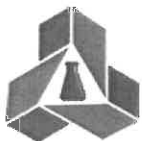


Certificate of Analysis

AETL	Project Number : 105412
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/17/2020

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
105412.01	2001698-01	Soil	7/14/20 9:20	7/15/20 12:48
105412.02	2001698-02	Soil	7/14/20 9:50	7/15/20 12:48
105412.03	2001698-03	Soil	7/14/20 10:20	7/15/20 12:48
105412.04	2001698-04	Soil	7/14/20 11:50	7/15/20 12:48
105412.05	2001698-05	Soil	7/14/20 13:50	7/15/20 12:48
105412.06	2001698-06	Soil	7/14/20 14:10	7/15/20 12:48
105412.07	2001698-07	Soil	7/14/20 14:20	7/15/20 12:48
105412.08	2001698-08	Soil	7/14/20 14:40	7/15/20 12:48



Certificate of Analysis

AETL	Project Number : 105412
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/17/2020

Client Sample ID: 105412.01

Lab ID: 2001698-01

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0268	07/15/2020	07/15/20 16:46	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105412
Report To : Jim Lin
Reported : 07/17/2020

Client Sample ID: 105412.02
Lab ID: 2001698-02

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0268	07/15/2020	07/15/20 17:09	



Certificate of Analysis

AETL	Project Number : 105412
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/17/2020

Client Sample ID: 105412.03

Lab ID: 2001698-03

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0268	07/15/2020	07/15/20 17:32	



Certificate of Analysis

AETL	Project Number : 105412
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/17/2020

Client Sample ID: 105412.04

Lab ID: 2001698-04

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0268	07/15/2020	07/15/20 17:55	



Certificate of Analysis

AETL	Project Number : 105412
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/17/2020

Client Sample ID: 105412.05

Lab ID: 2001698-05

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0268	07/15/2020	07/15/20 18:18	



Certificate of Analysis

AETL	Project Number : 105412
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/17/2020

Client Sample ID: 105412.06

Lab ID: 2001698-06

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0268	07/15/2020	07/15/20 18:41	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105412
Report To : Jim Lin
Reported : 07/17/2020

Client Sample ID: 105412.07
Lab ID: 2001698-07

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0268	07/15/2020	07/15/20 19:04	



Certificate of Analysis

AETL	Project Number : 105412
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/17/2020

Client Sample ID: 105412.08

Lab ID: 2001698-08

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0268	07/15/2020	07/15/20 19:27	



Certificate of Analysis

AETL 2834 North Naomi Street Burbank, CA 91504	Project Number : 105412 Report To : Jim Lin Reported : 07/17/2020
---	---

QUALITY CONTROL SECTION

Perchlorate by Ion Chromatography EPA 314 (Modified) - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B0G0268 - Prep_IC2_S										
Blank (B0G0268-BLK1)					Prepared: 7/15/2020 Analyzed: 7/15/2020					
Perchlorate	ND	20	9.2							
LCS (B0G0268-BS1)					Prepared: 7/15/2020 Analyzed: 7/15/2020					
Perchlorate	560.473	20	9.2	500.000		112	85 - 115			
Duplicate (B0G0268-DUP1)					Source: 2001698-01 Prepared: 7/15/2020 Analyzed: 7/15/2020					
Perchlorate	ND	20	9.2		ND				15	
Matrix Spike (B0G0268-MS1)					Source: 2001698-01 Prepared: 7/15/2020 Analyzed: 7/15/2020					
Perchlorate	518.684	20	9.2	500.000	ND	104	80 - 120			
Matrix Spike Dup (B0G0268-MSD1)					Source: 2001698-01 Prepared: 7/15/2020 Analyzed: 7/15/2020					
Perchlorate	538.468	20	9.2	500.000	ND	108	80 - 120	3.74	15	



Certificate of Analysis

AETL

2834 North Naomi Street

Burbank , CA 91504

Project Number : 105412

Report To : Jim Lin

Reported : 07/17/2020

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

CHAIN OF CUSTODY RECORD

Page 20 of 20
 Instruction: Complete all shaded areas.

For Laboratory Use Only
 ATLOC Ver: 20200310

Method of Transport	Condition	Y	N	Condition	Y	N
<input type="checkbox"/> Clean	1. CHILLED			5. # OF SAMPLES MATCH COC		
<input type="checkbox"/> ATL	2. HEADSPACE (VOL)			6. PRESERVED		
<input type="checkbox"/> Field	3. CONTAINER INTACT			7. COOLER TEMP. DEG C		
<input type="checkbox"/> ISO	4. SEAL ID					
<input type="checkbox"/> Other: _____						

Tel: 818-845-8200
 Fax: 818-845-8890

CUSTOMER

Company: AGTL
 Attn: Corey Jim Lin
 Email: JimLin@astusa.com
 Address: 2834 N. Naomi St.
 City: Burbank State: CA Zip: 91509

Quote #: _____
 Project Name: 105412
 Project No.: 105412
 Sampler: KNOWNT RL
 PO #: Sub-31856

Requested Analysis: _____
 Sample Matrix: _____

Turnaround Time (TAT) _____
 Quantity _____
 Material: 1-Glass; 2-Plastic; 3-Metal
 Preservative: 1-HCl; 2-HNO3; 3-H2SO4; 4-MC; 5-Zn(Ac)2; 6-NaOH; 7-MA2503

ITEM	Lab ID (For Lab Use Only)	Sample ID	Location	Date	Time	Requested Analysis	Sample Matrix	Container	Remarks
1	01	105412.01		7/19/20	0920		X		Perchlorate
2	02	105412.02			0950		X		SOIL
3	03	105412.03			1020		X		
4	04	105412.04			1150		X		
5	05	105412.05			1350		X		
6	06	105412.06			1410		X		
7	07	105412.07			1420		X		
8	08	105412.08			1440		X		
9									
10									

MISC

(Special Instructions, Comments, Notes, etc.)

CUSTODY

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name) _____ Date: 7/15/20 Time: 1:28
 Received by: (Signature and Printed Name) _____ Date: 7/15/20 Time: 1:28



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Number of Pages 2
Date Received 07/14/2020
Date Reported 07/21/2020

Telephone: (626)458-4923
Attention: Greg Sena

Job Number	Order Date	Client
105412	07/14/2020	LACDPW

Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.
Site: Devil's Gate Reservoir

Enclosed please find results of analyses of 8 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 6 pages

Checked By: _____

Approved By: _____

Joe Sevran
Laboratory Director



A KYZER LABS COMPANY

AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 N. NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP# 1541 & 2402 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: <i>LACDPW</i>			
Project Name:			
AETL Job Number: <i>105412</i>			
Date Received: <i>7/14/2020</i>		Received by: <i>Sargis-P</i>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<i>1</i>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <i>3.2</i> °C, No 2: , No 3:			
Type of sample containers: <input checked="" type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input checked="" type="checkbox"/> MeOH			
<input checked="" type="checkbox"/> Other (Specify): <i>Sodium borate</i>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<input checked="" type="checkbox"/>		
2. Are the Sample labels legible?	<input checked="" type="checkbox"/>		
3. Do samples match the COC?	<input checked="" type="checkbox"/>		
4. Are the required analyses clear?	<input checked="" type="checkbox"/>		
5. Is there enough samples for required analysis?	<input checked="" type="checkbox"/>		
6. Are samples sealed with evidence tape?	<i>N/A</i>		
7. Are sample containers in good condition?	<input checked="" type="checkbox"/>		
8. Are samples preserved?	<input checked="" type="checkbox"/>		
9. Are samples preserved properly for the intended analysis?	<input checked="" type="checkbox"/>		
10. Are the VOAs free of headspace?	<i>N/A</i>		
11. Are the jars free of headspace?	<input checked="" type="checkbox"/>		

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.

Explain all "No" answers for above questions:



Certificate of Analysis

FINAL REPORT

Work Orders: 0G15072

Report Date: 7/20/2020

Project: 105412

Received Date: 7/15/2020

Turnaround Time: 2 workdays

Phones: (818) 845-8200

Fax: (818) 845-8840

Attn: Jim Lin

P.O. #: Sub-31857

Client: American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 •
NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Jim Lin,

Enclosed are the results of analyses for samples received 7/15/20 with the Chain-of-Custody document. The samples were received in good condition, at 5.6 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Regina M. Giancola
Project Manager





WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105412

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/20/2020 16:07

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
105412.01	RL	0G15072-01	Solid	07/14/20 09:20	
105412.02	RL	0G15072-02	Solid	07/14/20 09:50	
105412.03	RL	0G15072-03	Solid	07/14/20 10:20	
105412.04	RL	0G15072-04	Solid	07/14/20 11:50	
105412.05	RL	0G15072-05	Solid	07/14/20 13:50	
105412.06	RL	0G15072-06	Solid	07/14/20 14:10	
105412.07	RL	0G15072-07	Solid	07/14/20 14:20	
105412.08	RL	0G15072-08	Solid	07/14/20 14:40	

Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
<i>EPA 547M in Solid</i> Glyphosate	1071-83-6	✓	



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105412

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/20/2020 16:07

Sample Results

Sample: 105412.01
0G15072-01 (Solid) Sampled: 07/14/20 9:20 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M	Batch ID: W0G0822	Instr: LC10	Prepared: 07/16/20 09:46	Analyst: jna		
Glyphosate	ND	1.0	mg/kg	1	07/16/20	

Sample: 105412.02
0G15072-02 (Solid) Sampled: 07/14/20 9:50 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M	Batch ID: W0G0822	Instr: LC10	Prepared: 07/16/20 09:46	Analyst: jna		
Glyphosate	ND	1.0	mg/kg	1	07/16/20	

Sample: 105412.03
0G15072-03 (Solid) Sampled: 07/14/20 10:20 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M	Batch ID: W0G0822	Instr: LC10	Prepared: 07/16/20 09:46	Analyst: jna		
Glyphosate	ND	1.0	mg/kg	1	07/16/20	

Sample: 105412.04
0G15072-04 (Solid) Sampled: 07/14/20 11:50 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M	Batch ID: W0G0822	Instr: LC10	Prepared: 07/16/20 09:46	Analyst: jna		
Glyphosate	ND	1.0	mg/kg	1	07/16/20	

Sample: 105412.05
0G15072-05 (Solid) Sampled: 07/14/20 13:50 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M	Batch ID: W0G0822	Instr: LC10	Prepared: 07/16/20 09:46	Analyst: jna		
Glyphosate	ND	1.0	mg/kg	1	07/16/20	

Sample: 105412.06
0G15072-06 (Solid) Sampled: 07/14/20 14:10 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M	Batch ID: W0G0822	Instr: LC10	Prepared: 07/16/20 09:46	Analyst: jna		
Glyphosate	ND	1.0	mg/kg	1	07/16/20	



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105412

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/20/2020 16:07

Sample Results

(Continued)

Sample: 105412.07
0G15072-07 (Solid) Sampled: 07/14/20 14:20 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M	Batch ID: W0G0822	Instr: LC10	Prepared: 07/16/20 09:46	Analyst: jna		
Glyphosate	ND	1.0	mg/kg	1	07/16/20	

Sample: 105412.08
0G15072-08 (Solid) Sampled: 07/14/20 14:40 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M	Batch ID: W0G0822	Instr: LC10	Prepared: 07/16/20 09:46	Analyst: jna		
Glyphosate	ND	1.0	mg/kg	1	07/16/20	



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105412

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/20/2020 16:07

Quality Control Results

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0G0822 - EPA 547M										
Blank (W0G0822-BLK1)										
Glyphosate	ND	1.0	mg/kg							
				Prepared & Analyzed: 07/16/20						
LCS (W0G0822-BS1)										
Glyphosate	3.83	1.0	mg/kg	5.00		77	50-150			
				Prepared & Analyzed: 07/16/20						
Matrix Spike (W0G0822-MS1)										
Glyphosate	3.47	1.0	mg/kg	5.04	ND	69	50-150			
				Prepared & Analyzed: 07/16/20						
Matrix Spike Dup (W0G0822-MSD1)										
Glyphosate	3.45	1.0	mg/kg	5.05	ND	68	50-150	0.5	30	
				Prepared & Analyzed: 07/16/20						



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105412

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/20/2020 16:07

Notes and Definitions

Item	Definition
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.



WECK LABORATORIES, INC.

Sample Receipt

WORK ORDER: 0G15072
Client: American Environmental Testing Lab
Project: LACDPW Glyphosate in Soil - July 2020

Printed: 7/16/2020 5:25:09PM
Project Manager: Regina M. Giancola
Project Number: 105412

Report To:
American Environmental Testing Lab
Jim Lin
2834 N Naomi Street
Burbank, CA 91504
Phone: (818) 845-8200
Fax: (818) 845-8840

Invoice To:
American Environmental Testing Lab
Jim Lin
2834 N Naomi Street
Burbank, CA 91504
Phone : (818) 845-8200
Fax: (818) 845-8840

Date Due: 07/17/20 09:00 (2 day TAT)
Received By: Irwin F. Ramirez
Logged In By: Irwin F. Ramirez

Date Received: 07/15/20 13:35
Date Logged In: 07/15/20 15:38

Samples Received at:	5.6°C				
All containers intact	Yes	Sample labels & COC agree	Yes	Sufficient holding time for all tests	Yes
	No	Samples preserved properly	Yes	Received on Ice	Yes
Chain of custody completed	Yes	Sample volume sufficient	Yes	Appropriate sample containers	Yes

Samples

Analysis	Expires	Analysis Comments
0G15072-01 Sample Name: 105412.01 [Solid] Sampled 7/14/2020 09:20 EPA 547M_s	07/28/20 09:20	
0G15072-02 Sample Name: 105412.02 [Solid] Sampled 7/14/2020 09:50 EPA 547M_s	07/28/20 09:50	
0G15072-03 Sample Name: 105412.03 [Solid] Sampled 7/14/2020 10:20 EPA 547M_s	07/28/20 10:20	
0G15072-04 Sample Name: 105412.04 [Solid] Sampled 7/14/2020 11:50 EPA 547M_s	07/28/20 11:50	
0G15072-05 Sample Name: 105412.05 [Solid] Sampled 7/14/2020 13:50 EPA 547M_s	07/28/20 13:50	
0G15072-06 Sample Name: 105412.06 [Solid] Sampled 7/14/2020 14:10 EPA 547M_s	07/28/20 14:10	
0G15072-07 Sample Name: 105412.07 [Solid] Sampled 7/14/2020 14:20 EPA 547M_s	07/28/20 14:20	
0G15072-08 Sample Name: 105412.08 [Solid] Sampled 7/14/2020 14:40 EPA 547M_s	07/28/20 14:40	

Note:
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.

0G15072

Page 1 of 1

CHAIN OF CUSTODY RECORD

Page 1 of 1
 0915072

CLIENT NAME: AETZ		PROJECT: 10541Z		ANALYSIS REQUESTED	
ADDRESS: 2834 N. Naomi St.		PHONE #: 818-845-8200		SPECIAL HANDLING <input type="checkbox"/> Same Day Rush <input type="checkbox"/> 24 Hour Rush <input checked="" type="checkbox"/> 48-72 Hour Rush nd <input type="checkbox"/> 4-5 Day Rush <input type="checkbox"/> Flush Extraction <input checked="" type="checkbox"/> 10-15 Business Days nd <input type="checkbox"/> QAC/QC Package <small>Additional surcharges will apply for rush requests, weekends & holidays.</small>	
PROJECT MANAGER: Carol Jimlin		FAX #: 818-845-8890			
SAMPLER: RL		EMAIL: Jim@AETZLAB.COM			
		P.O. #: Sub-31857			
ID # (For Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.
105412.01	7/14/20	0920	Soil		1
105412.02		0950			1
105412.03		1020			1
105412.04		1150			1
105412.05		1350			1
105412.06		1410			1
105412.07		1420			1
105412.08		1440			1

RELINQUISHED BY: **apfb** SIGNATURE

RECEIVED BY: **[Signature]** SIGNATURE

DATE/TIME: **7.15.20**

DATE/TIME: **7/13/20 8:35**

PRINT NAME: **[Name]**

PRINT NAME: **[Name]**

SAMPLE CONDITION: **5.6°C**

Actual Temperature: **5.0/5.0 ALV (10)**

Received on Ice: **(Y) N**

Preserved at Lab: **(Y) N**

Preserved: **(Y) N**

Evidence Seals Present: **(Y) N**

Evidence Seals Intact: **(Y) N**

Container Intact: **(Y) N**

Method of Shipment: **T-0889**

SAMPLE TYPE CODE:
 AQ = Aqueous
 NA = Non Aqueous
 SL = Sludge
 DW = Drinking Water
 WW = Waste Water
 RW = Rain Water
 GW = Ground Water
 SO = Soil
 SW = Solid Waste
 OL = Oil
 OT = Other Matrix

PRESCHEDULED RUSH ANALYSES WILL TAKE PRIORITY OVER UNSCHEDULED RUSH REQUESTS. CLIENT AGREES TO TERMS AND CONDITIONS (SEE BACK OF THIS FORM OR AT WWW.WECKLABS.COM)

SPECIAL REQUIREMENTS/BILLING INFORMATION

DISTRIBUTION: **WHITE & CANARY - For Laboratory** **Pink - For Client**



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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Number of Pages 37
Date Received 07/15/2020
Date Reported 07/20/2020

Telephone: (626)458-4923
Attention: Greg Sena

Job Number	Order Date	Client
105437	07/15/2020	LACDPW

Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.
Site: Devil's Gate Reservoir

Enclosed please find results of analyses of 8 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 13 pages

Checked By: _____

Approved By: _____

Joe Sevrean
Laboratory Director



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CHAIN OF CUSTODY RECORD
106867

COMPANY: LACo Public Works PROJECT MANAGER: Gregory Serna / Ricardo Lopez AETL JOB No. 105437 Page 1 of 1

COMPANY ADDRESS: 900 S. Fremont Ave PHONE: 626.458.4223

PROJECT NAME: Alhambra CA 91803 PROJECT #: FF00710004

SITE NAME AND ADDRESS: Devil's Gate Reservoir Restoration PO # _____
Devil's Gate Reservoir

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1	B1-S2-1	7-15-20	08:40	Soil	4 1 Jar	Ice/V
2	B1-S2-5		08:50		1 Jar	
3	B1-S2-10		09:00		1 Jar	
4	B1-S2-15		09:10		2 Jars	
5	B3-S2-1		09:40		1 Jar	
6	B3-S2-5		10:00		1 Jar	
7	B3-S2-10		10:10		1 Jar	
8	B2-S2-1		11:30		4 vials/2 Jars	
9	B2-S2-5		12:40			
10	B2-S2-10		12:50			
11	B2-S2-15		13:00			
12	B5-S2-1		13:40			
13	B5-S2-5		13:50			
14	B5-S2-10		14:00			
15	B5-S2-15		14:10			

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS: 15 PROPERLY COOLED: Y / N / NA

CUSTOMY SEALS: Y / N / NA SAMPLES INTACT: Y / N / NA

RECEIVED IN GOOD COND.: Y / N SAMPLES ACCEPTED: Y / N

TURN AROUND TIME

NORMAL RUSH SAME DAY NEXT DAY 2 DAYS 3 DAYS

HARD COPY PDF GEOTRACKER (GLOBAL ID) OTHER (PLEASE SPECIFY)

DATA DELIVERABLE REQUIRED

RECEIVED BY: AGTK 3. Signature: AGTK Printed Name: AGTK Date: 7-15-20 Time: 17:30

RECEIVED BY: AGTK 2. Signature: AGTK Printed Name: AGTK Date: 7-15-20 Time: 17:30

RECEIVED BY: AGTK 1. Signature: AGTK Printed Name: AGTK Date: 7-15-20 Time: 16:30

RECEIVED BY: AGTK 1. Signature: AGTK Printed Name: AGTK Date: 7-15-20 Time: 16:30

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



A KYZER LABS COMPANY

AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 N. NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP# 1541 & 2402 LACSD# 10181
TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: <u>LACDPW</u>			
Project Name:			
AETL Job Number: <u>105437</u>			
Date Received: <u>7/15/20</u>		Received by: <u>Greta</u>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>2</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.2°C</u> , No 2: <u>3.3°C</u> , No 3:			
Type of sample containers: <input checked="" type="checkbox"/> VOA, <input checked="" type="checkbox"/> Glass bottles, <input type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input checked="" type="checkbox"/> MeOH			
<input checked="" type="checkbox"/> Other (Specify): <u>Sodium bisulfate</u>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?	N/A		
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	✓		

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.

Explain all "No" answers for above questions:

Jim Lin

From: Gregory Sena <GSENA@dpw.lacounty.gov>
Sent: Thursday, July 16, 2020 11:56 AM
To: Jim Lin
Cc: Ricardo Lopez-Maldonado
Subject: RE: Devil's Gate Reservoir Restoration

Jim,

I reviewed the COCs.

These samples should be on hold. Use the sample if needed only for original test request on the COC dated 07/14.

Date Collected 07/15

B1-S2-1 HOLD
B1-S2-5 HOLD
B1-S2-10 HOLD
B1-S2-15 HOLD

B3-S1-1 HOLD
B3-S2-5 HOLD
B3-S2-10 HOLD

The samples
Sincerely,

Gregory Sena | C.E.G.
Supervising Engineering Geologist II
Los Angeles County Public Works
626.458.7926 office | 626.703.8540 cell

From: Jim Lin <jiml@aetlab.com>
Sent: Thursday, July 16, 2020 9:08 AM
To: Gregory Sena <GSENA@dpw.lacounty.gov>
Cc: Ricardo Lopez-Maldonado <RLMALDONADO@dpw.lacounty.gov>
Subject: RE: Devil's Gate Reservoir Restoration

CAUTION: External Email. Proceed Responsibly.

Also B3, right.

From: Gregory Sena <GSENA@dpw.lacounty.gov>
Sent: Thursday, July 16, 2020 9:06 AM
To: Jim Lin <jiml@aetlab.com>
Cc: Ricardo Lopez-Maldonado <RLMALDONADO@dpw.lacounty.gov>
Subject: RE: Devil's Gate Reservoir Restoration

Jim,



American Environmental Testing Laboratory Inc.

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Page: 1 A

Ordered By

LA County Dept. of Public Works
 GMED 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Project ID: HF00710004
 Date Received 07/15/2020
 Date Reported 07/20/2020

Telephone: (626) 458-4923
 Attention: Greg Sena

Job Number	Order Date	Client
105437	07/15/2020	LACDPW

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 15 samples with the following specification on 07/15/2020.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
105437.01	B1-S2-1	07/15/2020	Soil	1
105437.02	B1-S2-5	07/15/2020	Soil	1
105437.03	B1-S2-10	07/15/2020	Soil	1
105437.04	B1-S2-15	07/15/2020	Soil	1
105437.05	B3-S2-1	07/15/2020	Soil	1
105437.06	B3-S2-5	07/15/2020	Soil	1
105437.07	B3-S2-10	07/15/2020	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	07/20/2020	4	Rush	--
105437.08	B2-S2-1	07/15/2020	Soil	6
105437.09	B2-S2-5	07/15/2020	Soil	6
105437.10	B2-S2-10	07/15/2020	Soil	6
105437.11	B2-S2-15	07/15/2020	Soil	6
105437.12	B5-S2-1	07/15/2020	Soil	6
105437.13	B5-S2-5	07/15/2020	Soil	6
105437.14	B5-S2-10	07/15/2020	Soil	6
105437.15	B5-S2-15	07/15/2020	Soil	6
Method ^ Submethod	Req Date	Priority	TAT	Units
(314.0)	07/20/2020	4	Rush	ug/Kg
(6010B/7000CAM)	07/20/2020	4	Rush	mg/Kg
(8081A)	07/20/2020	4	Rush	ug/Kg
(8082)	07/20/2020	4	Rush	ug/Kg
(8260B) ^ +OXY5035	07/20/2020	4	Rush	ug/Kg
(8270C)	07/20/2020	4	Rush	mg/Kg
(M8015D) ^ C13-C40	07/20/2020	4	Rush	mg/Kg
(M8015G)	07/20/2020	4	Rush	mg/Kg

Continued



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Page: 1 B

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Project ID: HF00710004
Date Received 07/15/2020
Date Reported 07/20/2020

Telephone: (626) 458-4923

Attention: Greg Sena

Job Number	Order Date	Client
105437	07/15/2020	LACDPW

CERTIFICATE OF ANALYSIS CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By:  _____

Approved By:  _____

Joe Sevran
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 2

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: BOG0282

Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11
Client Sample I.D.			B2-S2-1	B2-S2-5	B2-S2-10	B2-S2-15
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020
Date Prepared		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method		314.0	314.0	314.0	314.0	314.0
Date Analyzed		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Perchlorate	20.0	20.0	ND	ND	ND	ND



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 3

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: BOG0282

Our Lab I.D.		105437.12	105437.13	105437.14	105437.15	
Client Sample I.D.		B5-S2-1	B5-S2-5	B5-S2-10	B5-S2-15	
Date Sampled		07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared		07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method		314.0	314.0	314.0	314.0	
Date Analyzed		07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Matrix		Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Perchlorate	20.0	20.0	ND	ND	ND	ND



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ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
GMED
900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 4

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0716202C1

Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11
Client Sample I.D.			B2-S2-1	B2-S2-5	B2-S2-10	B2-S2-15
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020
Date Prepared		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	2.34J	2.21J	1.46J
Barium	2.5	5.0	ND	30.6	49.1	92.3
Beryllium	1.0	2.5	ND	ND	ND	ND
Cadmium	1.0	2.5	ND	1.16J	1.62J	2.28J
Chromium	2.5	5.0	ND	5.35	8.54	13.9
Cobalt	2.5	5.0	ND	3.60J	6.14	9.30
Copper	2.5	5.0	ND	4.74J	7.76	18.2
Lead	2.5	5.0	ND	3.10J	6.08	10.2
Mercury (By EPA 7471)	0.1	0.2	ND	ND	0.187J	0.112J
Molybdenum	2.0	5.0	ND	ND	ND	ND
Nickel	2.5	5.0	ND	ND	4.65J	8.68
Selenium	1.0	5.0	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	23.1	28.5	38.5
Zinc	2.5	5.0	ND	22.8	35.1	61.3



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0716202C1

Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Client Sample I.D.			B5-S2-1	B5-S2-5	B5-S2-10	B5-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Antimony	1.0	5.0	ND	ND	ND	ND	
Arsenic	1.0	5.0	3.16J	4.14J	3.19J	1.14J	
Barium	2.5	5.0	108	117	86.9	40.7	
Beryllium	1.0	2.5	ND	ND	ND	ND	
Cadmium	1.0	2.5	2.83	2.81	2.50	1.37J	
Chromium	2.5	5.0	16.4	21.7	11.1	7.02	
Cobalt	2.5	5.0	11.2	11.0	10.0	4.27J	
Copper	2.5	5.0	26.0	22.1	13.9	6.91	
Lead	2.5	5.0	13.3	16.5	5.46	2.95J	
Mercury (By EPA 7471)	0.1	0.2	0.203	0.166J	0.139J	ND	
Molybdenum	2.0	5.0	ND	ND	ND	ND	
Nickel	2.5	5.0	10.3	12.4	6.75	3.44J	
Selenium	1.0	5.0	ND	ND	ND	ND	
Silver	2.0	5.0	ND	ND	ND	ND	
Thallium	0.7	5.0	ND	ND	ND	ND	
Vanadium	2.5	5.0	47.3	42.6	41.3	25.2	
Zinc	2.5	5.0	74.8	75.0	66.2	27.4	



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071620EB1

Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11	
Client Sample I.D.			B2-S2-1	B2-S2-5	B2-S2-10	B2-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	80.0	170.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	98.0	96.0	96.4	103	124
Tetrachloro-m-xylene	30-150	90.8	82.0	78.8	96.8	126



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071620EB1

Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Client Sample I.D.			B5-S2-1	B5-S2-5	B5-S2-10	B5-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Aldrin	1.0	2.0	ND	ND	ND	ND	
Chlordane (Total)	1.0	2.0	ND	1.54J	ND	ND	
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	
4,4'-DDE (DDE)	1.0	2.0	1.98J	ND	ND	ND	
4,4'-DDT (DDT)	1.0	2.0	2.02	1.44J	ND	ND	
Dieldrin	1.0	2.0	ND	ND	ND	ND	
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	
Endrin	1.0	2.0	ND	ND	ND	ND	
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	
Endrin ketone	1.0	2.0	ND	ND	ND	ND	
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	
Heptachlor	1.0	2.0	ND	ND	ND	ND	
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND	ND	ND	
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	
Methoxychlor	5.0	10.0	ND	ND	ND	ND	
Toxaphene	80.0	170.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		105437.12	105437.13	105437.14	105437.15	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150	116	124	115	98.8	
Tetrachloro-m-xylene	30-150	94.8	116	109	95.2	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071620ZB1

Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11	
Client Sample I.D.			B2-S2-1	B2-S2-5	B2-S2-10	B2-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150	60.4	56.8	56.0	59.6	75.6	
Tetrachloro-m-xylene	30-150	73.2	92.0	101	102	131	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071620ZB1

Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Client Sample I.D.			B5-S2-1	B5-S2-5	B5-S2-10	B5-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			07/16/2020	07/16/2020	07/17/2020	07/17/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	
Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150		67.2	67.6	64.0	55.6	
Tetrachloro-m-xylene	30-150		115	127	118	99.2	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0716208A1

Our Lab I.D.			Method Blank	105437.08	105437.09	105437.10	105437.11
Client Sample I.D.				B2-S2-1	B2-S2-5	B2-S2-10	B2-S2-15
Date Sampled				07/15/2020	07/15/2020	07/15/2020	07/15/2020
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	3.15J	11.9	6.38J	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0716208A1

Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11	
Client Sample I.D.			B2-S2-1	B2-S2-5	B2-S2-10	B2-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	4.14J	2.30J	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0716208A1

Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11	
Client Sample I.D.			B2-S2-1	B2-S2-5	B2-S2-10	B2-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	94.0	99.0	96.2	92.6	97.3	
Dibromofluoromethane	75-125	96.6	113	116	121	120	
Toluene-d8	75-125	91.9	97.5	100	98.3	96.0	



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Ordered By

LA County Dept. of Public Works
 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0716208A1

Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Client Sample I.D.			B5-S2-1	B5-S2-5	B5-S2-10	B5-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	2.54J	2.15J	ND	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0716208A1

Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Client Sample I.D.			B5-S2-1	B5-S2-5	B5-S2-10	B5-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	1.65J	ND	ND	ND	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0716208A1

Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Client Sample I.D.			B5-S2-1	B5-S2-5	B5-S2-10	B5-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	
Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		95.7	99.2	100	99.0	
Dibromofluoromethane	75-125		125	124	125	125	
Toluene-d8	75-125		95.2	97.8	102	101	



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 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071720JB1

Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11	
Client Sample I.D.			B2-S2-1	B2-S2-5	B2-S2-10	B2-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071720JB1

Our Lab I.D.			Method Blank	105437.08	105437.09	105437.10	105437.11
Client Sample I.D.				B2-S2-1	B2-S2-5	B2-S2-10	B2-S2-15
Date Sampled				07/15/2020	07/15/2020	07/15/2020	07/15/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071720JB1

Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11	
Client Sample I.D.			B2-S2-1	B2-S2-5	B2-S2-10	B2-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
Pyridine	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
2-Fluorophenol	25-121	50.8	46.2	37.2	42.4	39.4	
2-Fluorobiphenyl	30-115	62.4	54.8	46.0	52.8	49.2	
Nitrobenzene-d5	23-120	51.2	45.6	36.9	41.6	40.8	
Phenol-d6	21-113	44.1	39.2	31.2	36.1	34.6	
p-Terphenyl-D14	18-137	116	99.2	86.0	96.0	98.0	
2,4,6-Tribromophenol	19-122	55.2	46.6	39.2	46.6	43.0	



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071720JB1

Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Client Sample I.D.			B5-S2-1	B5-S2-5	B5-S2-10	B5-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acenaphthene	0.25	0.50	ND	ND	ND	ND	
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	
Anthracene	0.25	0.50	ND	ND	ND	ND	
Azobenzene	0.25	0.50	ND	ND	ND	ND	
Benzidine	0.25	0.50	ND	ND	ND	ND	
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	
Chrysene	0.25	0.50	ND	ND	ND	ND	
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071720JB1

Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Client Sample I.D.			B5-S2-1	B5-S2-5	B5-S2-10	B5-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	
Fluoranthene	0.25	0.50	ND	ND	ND	ND	
Fluorene	0.25	0.50	ND	ND	ND	ND	
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	
Isophorone	0.25	0.50	ND	ND	ND	ND	
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	
Naphthalene	0.25	0.50	ND	ND	ND	ND	
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071720JB1

Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Client Sample I.D.			B5-S2-1	B5-S2-5	B5-S2-10	B5-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	
Phenanthrene	0.25	0.50	ND	ND	ND	ND	
Phenol	0.25	0.50	ND	ND	ND	ND	
Pyrene	0.25	0.50	ND	ND	ND	ND	
Pyridine	0.25	0.50	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	
Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
2-Fluorophenol	25-121		28.4	36.8	44.0	42.2	
2-Fluorobiphenyl	30-115		38.5	48.8	56.4	56.8	
Nitrobenzene-d5	23-120		30.2	40.4	44.4	45.2	
Phenol-d6	21-113		27.8	32.3	37.6	39.1	
p-Terphenyl-D14	18-137		68.8	89.2	100	110	
2,4,6-Tribromophenol	19-122		35.2	45.4	52.6	52.8	



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Attn: Greg Sena

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0716200B1

Our Lab I.D.			Method Blank	105437.08	105437.09	105437.10	105437.11
Client Sample I.D.				B2-S2-1	B2-S2-5	B2-S2-10	B2-S2-15
Date Sampled				07/15/2020	07/15/2020	07/15/2020	07/15/2020
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	105437.08	105437.09	105437.10	105437.11
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		109	106	106	109	112



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0716200B1

Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Client Sample I.D.			B5-S2-1	B5-S2-5	B5-S2-10	B5-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			07/16/2020	07/16/2020	07/16/2020	07/17/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	
Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		110	111	111	108	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071620DB1

Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11
Client Sample I.D.			B2-S2-1	B2-S2-5	B2-S2-10	B2-S2-15
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020
Date Prepared		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method		3550B	3550B	3550B	3550B	3550B
Date Analyzed		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105437.08	105437.09	105437.10	105437.11
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125	106	101	99.3	103	102



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071620DB1

Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Client Sample I.D.			B5-S2-1	B5-S2-5	B5-S2-10	B5-S2-15	
Date Sampled			07/15/2020	07/15/2020	07/15/2020	07/15/2020	
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	
Our Lab I.D.			105437.12	105437.13	105437.14	105437.15	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125		103	102	102	103	



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: BOG0282; Dup or Spiked Sample: 105437; LCS: Clean Sand; QC Prepared: 07/16/2020; QC Analyzed: 07/16/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Perchlorate	0.00	500	555	111	500	550	110	<1	70-130	<30

QC Batch No: BOG0282; Dup or Spiked Sample: 105437; LCS: Clean Sand; QC Prepared: 07/16/2020; QC Analyzed: 07/16/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Perchlorate	500	505	101	80-120						



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QUALITY CONTROL RESULTS

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0716202C1; Dup or Spiked Sample: 105437.09; LCS: Clean Sand; QC Prepared: 07/16/2020; QC Analyzed: 07/16/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	50.0	100	50.0	49.5	99.0	1.0	75-125	<15
Arsenic	2.21	50.0	52.7	101	50.0	52.7	101	<1	75-125	<15
Barium	49.1	50.0	91.9	85.6	50.0	90.4	82.6	3.6	75-125	<15
Beryllium	0.00	50.0	52.5	105	50.0	52.5	105	<1	75-125	<15
Cadmium	1.62	50.0	47.7	92.2	50.0	47.6	92.0	<1	75-125	<15
Chromium	8.54	50.0	56.8	96.5	50.0	56.9	96.7	<1	75-125	<15
Cobalt	6.14	50.0	53.0	93.7	50.0	53.1	93.9	<1	75-125	<15
Copper	7.76	50.0	59.3	103	50.0	57.8	100	3.0	75-125	<15
Lead	6.08	50.0	50.6	89.0	50.0	50.6	89.0	<1	75-125	<15
Mercury (By EPA 7471)	0.189	0.500	0.644	91.0	0.500	0.639	90.0	1.1	75-125	<15
Molybdenum	0.00	50.0	50.5	101	50.0	50.0	100	<1	75-125	<15
Nickel	4.65	50.0	50.8	92.3	50.0	50.9	92.5	<1	75-125	<15
Selenium	0.00	50.0	43.1	86.2	50.0	42.9	85.8	<1	75-125	<15
Silver	0.00	50.0	45.4	90.8	50.0	44.7	89.4	1.6	75-125	<15
Thallium	0.00	50.0	33.7 M	67.4	50.0	33.5 M	67.0	<1	75-125	<15
Vanadium	28.5	50.0	78.2	99.4	50.0	77.2	97.4	2.0	75-125	<15
Zinc	35.1	50.0	83.4	96.6	50.0	83.2	96.2	<1	75-125	<15

QC Batch No: 0716202C1; Dup or Spiked Sample: 105437.09; LCS: Clean Sand; QC Prepared: 07/16/2020; QC Analyzed: 07/16/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Antimony	50.0	53.3	107	50.0	54.0	108	<1	75-125	<15
Arsenic	50.0	53.0	106	50.0	54.2	108	1.9	75-125	<15
Barium	50.0	51.6	103	50.0	51.3	103	<1	75-125	<15
Beryllium	50.0	53.5	107	50.0	53.8	108	<1	75-125	<15
Cadmium	50.0	51.9	104	50.0	52.1	104	<1	75-125	<15
Chromium	50.0	52.7	105	50.0	53.5	107	1.9	75-125	<15
Cobalt	50.0	51.8	104	50.0	51.6	103	<1	75-125	<15
Copper	50.0	51.3	103	50.0	50.8	102	<1	75-125	<15
Lead	50.0	52.0	104	50.0	53.2	106	1.9	75-125	<15



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0716202C1; Dup or Spiked Sample: 105437.09; LCS: Clean Sand; QC Prepared: 07/16/2020; QC Analyzed: 07/16/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Mercury (By EPA 7471)	0.500	0.486	97.1	0.500	0.485	97.0	<1	75-125	<15
Molybdenum	50.0	52.0	104	50.0	52.5	105	<1	75-125	<15
Nickel	50.0	51.5	103	50.0	51.0	102	<1	75-125	<15
Selenium	50.0	51.6	103	50.0	53.0	106	2.9	75-125	<15
Silver	50.0	46.6	93.2	50.0	53.0	106	12.9	75-125	<15
Thallium	50.0	51.3	103	50.0	52.5	105	1.9	75-125	<15
Vanadium	50.0	51.6	103	50.0	51.0	102	<1	75-125	<15
Zinc	50.0	52.7	105	50.0	52.5	105	<1	75-125	<15



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071620EB1; Dup or Spiked Sample: 105437.08; LCS: Clean Sand; QC Prepared: 07/16/2020; QC Analyzed: 07/16/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	20.2	101	20.0	18.7	93.5	7.7	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	60.5	121	50.0	54.5	109	10.4	40-150	<40
Dieldrin	0.00	50.0	52.5	105	50.0	49.2	98.4	6.5	40-150	<40
Endrin	0.00	50.0	56.5	113	50.0	52.5	105	7.3	40-150	<40
Heptachlor	0.00	20.0	21.6	108	20.0	19.8	99.0	8.7	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	19.0	95.0	20.0	17.5	87.5	8.2	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	26.5	106	25.0	24.7	98.8	7.0	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	21.9	87.6	25.0	20.5	82.0	6.6	30-150	<40

QC Batch No: 071620EB1; Dup or Spiked Sample: 105437.08; LCS: Clean Sand; QC Prepared: 07/16/2020; QC Analyzed: 07/16/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aldrin	20.0	19.8	99.0	20.0	18.3	91.5	7.9	50-150	<40
4,4'-DDT (DDT)	50.0	55.3	111	50.0	49.2	98.4	12.0	50-150	<40
Dieldrin	50.0	52.7	105	50.0	48.3	96.6	8.3	50-150	<40
Endrin	50.0	52.5	105	50.0	47.5	95.0	10.0	50-150	<40
Heptachlor	20.0	20.7	104	20.0	19.1	95.5	8.5	50-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	19.2	96.0	20.0	17.2	86.0	11.0	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	24.8	99.2	25.0	23.2	92.8	6.7	30-150	<40
Tetrachloro-m-xylene	25.0	23.3	93.2	25.0	20.3	81.2	13.8	30-150	<40



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071620ZB1; Dup or Spiked Sample: 105436.01; LCS: Clean Sand; QC Prepared: 07/16/2020; QC Analyzed: 07/16/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	484	96.8	500	355	71.0	30.8	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	312	62.4	500	277	55.4	11.9	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	18.5	74.0	25.0	15.8	63.2	15.7	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	25.8	103	25.0	23.7	94.8	8.3	30-150	<40

QC Batch No: 071620ZB1; Dup or Spiked Sample: 105436.01; LCS: Clean Sand; QC Prepared: 07/16/2020; QC Analyzed: 07/16/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aroclor-1016 (PCB-1016)	500	399	79.8	500	431	86.2	7.7	50-150	<40
Aroclor-1260 (PCB-1260)	500	254	50.8	500	271	54.2	6.5	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	15.8	63.2	25.0	13.9	55.6	12.8	30-150	<40
Tetrachloro-m-xylene	25.0	28.2	113	25.0	22.4	89.6	23.1	30-150	<40



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0716208A1; Dup or Spiked Sample: 105437.12; LCS: Clean Sand; QC Prepared: 07/16/2020; QC Analyzed: 07/16/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	59.0	118	50.0	60.5	121	2.5	75-125	<20
Chlorobenzene	0.00	50.0	49.2	98.4	50.0	47.2	94.4	4.1	75-125	<20
1,1-Dichloroethene	0.00	50.0	59.0	118	50.0	61.0	122	3.3	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	50.0	100	50.0	51.0	102	2.0	75-125	<20
Trichloroethene	0.00	50.0	49.9	99.8	50.0	53.0	106	6.0	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	57.5	115	50.0	57.5	115	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	47.9	95.8	50.0	49.2	98.3	2.6	75-125	<20
Dibromofluoromethane	0.00	50.0	60.0	120	50.0	60.5	121	<1	75-125	<20
Toluene-d8	0.00	50.0	50.0	100	50.0	50.5	101	<1	75-125	<20

QC Batch No: 0716208A1; Dup or Spiked Sample: 105437.12; LCS: Clean Sand; QC Prepared: 07/16/2020; QC Analyzed: 07/16/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Benzene	50.0	39.3	78.6	50.0	40.7	81.4	3.5	75-125	<20
Chlorobenzene	50.0	48.5	97.0	50.0	46.6	93.2	4.0	75-125	<20
1,1-Dichloroethene	50.0	39.0	78.0	50.0	38.0	76.0	2.6	75-125	<20
Toluene (Methyl benzene)	50.0	48.0	96.0	50.0	45.0	90.0	6.5	75-125	<20
Trichloroethene	50.0	53.4	107	50.0	50.8	102	4.8	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	39.4	78.8	50.0	40.6	81.0	2.8	75-125	<20
LCS									
Chloroform (Trichloromethane)	50.0	41.8	83.6	50.0	42.9	86.0	2.8	75-125	<20
Ethylbenzene	50.0	41.6	83.2	50.0	40.1	80.2	3.7	75-125	<20
1,1,1-Trichloroethane	50.0	43.1	86.2	50.0	43.3	86.6	<1	75-125	<20
o-Xylene	50.0	44.5	89.0	50.0	44.2	88.0	1.1	75-125	<20
m,p-Xylenes	100	91.6	91.6	100	90.2	90.2	1.5	75-125	<20
Surrogates									
Bromofluorobenzene	50.0	48.8	97.5	50.0	48.8	97.5	<1	75-125	<20
Dibromofluoromethane	50.0	43.6	87.1	50.0	45.4	90.7	4.0	75-125	<20
Toluene-d8	50.0	47.0	94.0	50.0	45.4	90.8	3.5	75-125	<20



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071720JB1; Dup or Spiked Sample: 105437.08; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Acenaphthene	0.00	2.50	1.19	47.6	2.50	1.30	52.0	8.8	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	2.47	49.4	5.00	2.56	51.2	3.6	39-98	<20
2-Chlorophenol	0.00	5.00	2.28	45.6	5.00	2.59	51.8	12.7	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	1.12	44.8	2.50	1.28	51.2	13.3	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	1.28	51.2	2.50	1.50	60.0	15.8	50-140	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	1.20	48.0	2.50	1.35	54.0	11.8	41-116	<20
4-Nitrophenol	0.00	5.00	1.45	29.0	5.00	1.70	34.0	15.9	10-110	<20
Pentachlorophenol	0.00	5.00	2.05	41.0	5.00	2.35	47.0	13.6	40-125	<20
Phenol	0.00	5.00	1.69	33.8	5.00	1.92	38.4	12.7	12-89	<20
Pyrene	0.00	2.50	2.34	93.6	2.50	2.60	104	10.5	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	1.48	59.2	2.50	1.67	66.8	12.1	39-98	<20
Surrogates										
2-Fluorophenol	0.00	5.00	2.10	42.0	5.00	2.42	48.4	14.2	25-121	<20
2-Fluorobiphenyl	0.00	2.50	1.32	52.8	2.50	1.45	58.0	9.4	30-115	<20
Nitrobenzene-d5	0.00	2.50	1.15	46.0	2.50	1.33	53.2	14.5	23-120	<20
p-Terphenyl-D14	0.00	2.50	2.50	100	2.50	2.93	117	15.7	18-137	<20
Phenol-d6	0.00	5.00	1.93	38.6	5.00	2.25	45.0	15.3	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	2.84	56.8	5.00	3.17	63.4	11.0	19-122	<20

QC Batch No: 071720JB1; Dup or Spiked Sample: 105437.08; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Acenaphthene	2.50	1.34	53.6	2.50	1.41	56.4	5.1	31-137	<20
4-Chloro-3-methylphenol	5.00	3.03	60.6	5.00	2.61	52.2	14.9	40-99	<20
2-Chlorophenol	5.00	2.68	53.6	5.00	2.80	56.0	4.4	25-102	<20
1,4-Dichlorobenzene	2.50	1.31	52.4	2.50	1.39	55.6	5.9	28-104	<20
2,4-Dinitrotoluene	2.50	1.53	61.2	2.50	1.49	59.6	2.6	50-140	<20
N-Nitroso-Di-n-propylamine	2.50	1.41	56.4	2.50	1.44	57.6	2.1	41-126	<20
4-Nitrophenol	5.00	1.75	35.0	5.00	1.65	33.0	5.9	11-114	<20
Pentachlorophenol	5.00	2.44	48.8	5.00	2.26	45.2	7.7	17-125	<20



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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071720JB1; Dup or Spiked Sample: 105437.08; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Phenol	5.00	2.02	40.4	5.00	2.07	41.4	2.4	26-90	<20	
Pyrene	2.50	2.68	107	2.50	2.63	105	1.9	35-142	<20	
1,2,4-Trichlorobenzene	2.50	1.69	67.6	2.50	1.76	70.4	4.1	38-107	<20	
Surrogates										
2-Fluorophenol	5.00	2.51	50.2	5.00	2.65	53.0	5.4	25-121	<20	
2-Fluorobiphenyl	2.50	1.47	58.8	2.50	1.56	62.4	5.9	30-115	<20	
Nitrobenzene-d5	2.50	1.37	54.8	2.50	1.40	56.0	2.2	23-120	<20	
p-Terphenyl-D14	2.50	2.98	119	2.50	2.90	116	2.6	18-137	<20	
Phenol-d6	5.00	2.35	46.9	5.00	2.38	47.6	1.5	24-113	<20	
2,4,6-Tribromophenol	5.00	3.30	66.0	5.00	3.40	68.0	3.0	19-122	<20	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071620DB1; Dup or Spiked Sample: 105436.04; LCS: Clean Sand; QC Prepared: 07/16/2020; QC Analyzed: 07/16/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	483	96.6	500	489	97.8	1.2	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	89.5	89.5	100	90.3	90.3	<1	75-125	<20

QC Batch No: 071620DB1; Dup or Spiked Sample: 105436.04; LCS: Clean Sand; QC Prepared: 07/16/2020; QC Analyzed: 07/16/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
TPH as Diesel (C13-C22)	500	482	96.4	500	489	97.8	1.4	75-125	<20
Surrogates									
Chlorobenzene	100	85.8	85.8	100	87.1	87.1	1.5	75-125	<20



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

LA County Dept. of Public Works
 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 37

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105437	07/15/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0716200B1; Dup or Spiked Sample: 105437.12AG; LCS: Clean Sand; QC Prepared: 07/16/2020;MS Analyzed: 07/17/2020;
 LCS Analyzed: 07/16/2020; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.0270	1.00	0.800	77.3	1.00	0.800	77.3	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0580	116	0.0500	0.0570	114	1.7	75-125	<20

QC Batch No: 0716200B1; Dup or Spiked Sample: 105437.12AG; LCS: Clean Sand; QC Prepared: 07/16/2020;MS Analyzed: 07/17/2020;
 LCS Analyzed: 07/16/2020; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.797	79.7	1.00	0.803	80.3	<1	75-125	<20
Surrogates									
Bromofluorobenzene	0.0500	0.0535	107	0.0500	0.0535	107	<1	75-125	<20



AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

- #: Recovery is not within acceptable control limits.
- *: In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
- B: Analyte was present in the Method Blank.
- D: Result is from a diluted analysis.
- E: Result is beyond calibration limits and is estimated.
- H: Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
- J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- M: Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
- MCL: Maximum Contaminant Level
- NS: No Standard Available
- S6: Surrogate recovery is outside control limits due to matrix interference.
- S8: The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
- X: Results represent LCS and LCSD data.

Definition:

- %Limi: Percent acceptable limits.
- %REC: Percent recovery.
- Con.L: Acceptable Control Limits
- Conce: Added concentration to the sample.
- LCS: Laboratory Control Sample
- MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference


ADVANCED TECHNOLOGY
LABORATORIES

July 20, 2020

Jim Lin
AETL
2834 North Naomi Street
Burbank, CA 91504
Tel: (818) 845-8200
Fax: (818) 845-8840

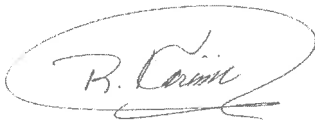
ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2001714
Client Reference : 105437

Enclosed are the results for sample(s) received on July 16, 2020 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Dr. Reza Karimi
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

3275 Walnut Avenue, Signal Hill, CA 90755 • Tel: 562-989-4045 • Fax: 562-989-4040
www.atlglobal.com



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105437
Report To : Jim Lin
Reported : 07/20/2020

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
105437.08	2001714-01	Soil	7/15/20 11:30	7/16/20 13:35
105437.09	2001714-02	Soil	7/15/20 12:40	7/16/20 13:35
105437.10	2001714-03	Soil	7/15/20 12:50	7/16/20 13:35
105437.11	2001714-04	Soil	7/15/20 13:00	7/16/20 13:35
105437.12	2001714-05	Soil	7/15/20 13:40	7/16/20 13:35
105437.13	2001714-06	Soil	7/15/20 13:50	7/16/20 13:35
105437.14	2001714-07	Soil	7/15/20 14:00	7/16/20 13:35
105437.15	2001714-08	Soil	7/15/20 14:10	7/16/20 13:35



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105437
Report To : Jim Lin
Reported : 07/20/2020

Client Sample ID: 105437.08

Lab ID: 2001714-01

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0282	07/16/2020	07/16/20 16:35	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105437
Report To : Jim Lin
Reported : 07/20/2020

Client Sample ID: 105437.09

Lab ID: 2001714-02

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0282	07/16/2020	07/16/20 16:57	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105437
Report To : Jim Lin
Reported : 07/20/2020

Client Sample ID: 105437.10

Lab ID: 2001714-03

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0282	07/16/2020	07/16/20 17:20	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105437
Report To : Jim Lin
Reported : 07/20/2020

Client Sample ID: 105437.11

Lab ID: 2001714-04

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0282	07/16/2020	07/16/20 17:43	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105437
Report To : Jim Lin
Reported : 07/20/2020

Client Sample ID: 105437.12

Lab ID: 2001714-05

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0282	07/16/2020	07/16/20 18:06	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105437
Report To : Jim Lin
Reported : 07/20/2020

Client Sample ID: 105437.13

Lab ID: 2001714-06

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0282	07/16/2020	07/16/20 18:29	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105437
Report To : Jim Lin
Reported : 07/20/2020

Client Sample ID: 105437.14

Lab ID: 2001714-07

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0282	07/16/2020	07/16/20 18:52	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105437
Report To : Jim Lin
Reported : 07/20/2020

Client Sample ID: 105437.15

Lab ID: 2001714-08

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0282	07/16/2020	07/16/20 19:15	



Certificate of Analysis

AETL
 2834 North Naomi Street
 Burbank, CA 91504

Project Number : 105437
 Report To : Jim Lin
 Reported : 07/20/2020

QUALITY CONTROL SECTION

Perchlorate by Ion Chromatography EPA 314 (Modified) - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B0G0282 - Prep_IC2_S										
Blank (B0G0282-BLK1)					Prepared: 7/16/2020 Analyzed: 7/16/2020					
Perchlorate	ND	20	9.2							
LCS (B0G0282-BS1)					Prepared: 7/16/2020 Analyzed: 7/16/2020					
Perchlorate	503.665	20	9.2	500.000		101	85 - 115			
Duplicate (B0G0282-DUP1)					Source: 2001714-01 Prepared: 7/16/2020 Analyzed: 7/16/2020					
Perchlorate	ND	20	9.2		ND				15	
Matrix Spike (B0G0282-MS1)					Source: 2001714-01 Prepared: 7/16/2020 Analyzed: 7/16/2020					
Perchlorate	552.591	20	9.2	500.000	ND	111	80 - 120			
Matrix Spike Dup (B0G0282-MSD1)					Source: 2001714-01 Prepared: 7/16/2020 Analyzed: 7/16/2020					
Perchlorate	550.420	20	9.2	500.000	ND	110	80 - 120	0.394	15	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105437
Report To : Jim Lin
Reported : 07/20/2020

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

CHAIN OF CUSTODY RECORD

Page 1 of 1
 Instruction: Complete all shaded areas.

200714

For Laboratory Use Only ATLCOG Ver: 20200920

Method of Transport	Simple Conditions Upon Receipt
<input type="checkbox"/> Client <input type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> Other:	Condition: <input type="checkbox"/> Y <input type="checkbox"/> N 1. CHILLED <input type="checkbox"/> Y <input type="checkbox"/> N 2. HEADSPACE (VOL) <input type="checkbox"/> Y <input type="checkbox"/> N 3. CONTAINER INTACT <input type="checkbox"/> Y <input type="checkbox"/> N 4. SEALED <input type="checkbox"/> Y <input type="checkbox"/> N 5. # OF SAMPLES MATCH COC <input type="checkbox"/> Y <input type="checkbox"/> N 6. PRESERVED <input type="checkbox"/> Y <input type="checkbox"/> N 7. COOLER TEMP. REC: <u>27</u> 8. ICE <input type="checkbox"/> Y <input type="checkbox"/> N

Company: **AGTL** Address: **2834 N. Naomi St.** Tel: **818-815-8800**
 City: **Barbark** State: **CA** Zip: **91504** Fax: **818-815-8840**
 Attn: **Jim** Email: _____
 Company: **AGTL**
 Address: **2834 N. Naomi St.**
 City: **Barbark** State: **CA** Zip: **91504**

Project Name: **105437** Quote #: _____
 Project No.: **105437** PO #: **Sub-31862**
 Sampler: **RL**

Lab ID (for Lab Use Only)	Sample ID	Sample Description	Location	Date	Time	Requested Analysis	Sample Matrix	Turnaround Time (TAT)	Quantity	Container	Remarks
1	105437-08			7/15/08	1130			2	15	14	
2	105437-09				1240			2	1	1	
3	105437-10				1250			2	1	1	
4	105437-11				1300			2	1	1	
5	105437-12				1340			2	1	1	
6	105437-13				1350			2	1	1	
7	105437-14				1400			2	1	1	
8	105437-15				1410			2	1	1	
9											
10											

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____
 Relinquished by: (Signature and Printed Name) _____ Date: 7-16-20 Time: 1:55
 Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Number of Pages 2
Date Received 07/15/2020
Date Reported 07/21/2020

Telephone: (626)458-4923
Attention: Greg Sena

Job Number	Order Date	Client
105437	07/15/2020	LACDPW

Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.
Site: Devil's Gate Reservoir

Enclosed please find results of analyses of 8 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 6 pages

Checked By: _____

Approved By: _____

Joe Sevreaan
Laboratory Director



American Environmental Testing Laboratory Inc.
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 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetflab.com

CHAIN OF CUSTODY RECORD
106867

COMPANY: **LACo Public Works**
 PROJECT MANAGER: **Gregory Serna / Ricardo Lopez**
 COMPANY ADDRESS: **900 S. Fremont Ave**
 PHONE: **626.458.4923**
 PROJECT NAME: **Devil's Gate Reservoir Restoration**
 ADDRESS: **Alhambra, CA 91803**
 SITE NAME AND ADDRESS: **Devil's Gate Reservoir**
 PROJECT # PO #: **HF00710004**

AETL JOB No. **105437** Page **1** of **1**

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED							TEST INSTRUCTIONS & COMMENTS			
							Titie 22 metals	OCPS	SVEs	8270C	TPH-G 8015*	TPH-D/H 8015*	PCBS 8082		VOCs + Drys 8508	perchlorate 3140M	glyPhosate 547M
1	B1-S2-1	105437-01	7-15-20	08:40	Soil	4x 1 Jar	Ice/V	X	X	X	X	X	X	X	X	HOLD	(M)
2	B1-S2-5	105437-02		08:50		1 Jar										HOLD	
3	B1-S2-10	105437-03		09:00		1 Jar										HOLD	
4	B1-S2-15	105437-04		09:10		2 Jars										HOLD	
5	B3-S2-1	105437-05		09:40		1 Jar										HOLD	
6	B3-S2-5	105437-06		10:00		1 Jar										HOLD	
7	B3-S2-10	105437-07		10:10		1 Jar										HOLD	
8	B2-S2-1	105437-08		11:30		4 vocs/2 Jars										HOLD	
9	B2-S2-5	105437-09		12:40												HOLD	
10	B2-S2-10	105437-10		12:50												HOLD	
11	B2-S2-15	105437-11		13:00												HOLD	
12	B5-S2-1	105437-12		13:40												HOLD	
13	B5-S2-5	105437-13		13:50												HOLD	
14	B5-S2-10	105437-14		14:00												HOLD	
15	B5-S2-15	105437-15		14:10												HOLD	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS: **15** PROPERLY COOLED: Y / N / NA

CUSTODY SEALS: Y / N / NA SAMPLES INTACT: Y / N / NA

RECEIVED IN GOOD COND.: Y / N SAMPLES ACCEPTED: Y / N

TURN AROUND TIME

NORMAL RUSH SAME DAY NEXT DAY 2 DAYS 3 DAYS

DATA DELIVERABLE REQUIRED

HARD COPY PDF GEOTRACKER (GLOBAL ID) OTHER (PLEASE SPECIFY)

RECEIVED BY: 1. Signature: *R. Lopez* Printed Name: **R. Lopez** Date: **7-15-20** Time: **1630**

RECEIVED BY: 2. Signature: _____ Printed Name: _____ Date: _____ Time: _____

RECEIVED BY: 3. Signature: _____ Printed Name: _____ Date: _____ Time: _____

RELINQUISHED BY: 1. Signature: _____ Printed Name: _____ Date: _____ Time: _____

RELINQUISHED BY: 2. Signature: _____ Printed Name: _____ Date: _____ Time: _____

RELINQUISHED BY: 3. Signature: _____ Printed Name: _____ Date: _____ Time: _____

LABORATORY: AETL Signature: _____ Printed Name: _____ Date: **7-15-20** Time: **1730**

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



A KYZER LABS COMPANY

AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 N. NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP# 1541 & 2402 LACSD# 10181
 TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: <u>LACDPW</u>			
Project Name:			
AETL Job Number: <u>105437</u>			
Date Received: <u>7/15/20</u>		Received by: <u>Greta</u>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>2</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.2°C</u> ; No 2: <u>3.3°C</u> ; No 3:			
Type of sample containers: <input checked="" type="checkbox"/> VOA, <input checked="" type="checkbox"/> Glass bottles, <input type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input checked="" type="checkbox"/> MeOH			
<input checked="" type="checkbox"/> Other (Specify): <u>Sodium sulfate</u>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?	N/A		
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	✓		

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.

Explain all "No" answers for above questions:

Jim Lin

From: Gregory Sena <GSENA@dpw.lacounty.gov>
Sent: Thursday, July 16, 2020 11:56 AM
To: Jim Lin
Cc: Ricardo Lopez-Maldonado
Subject: RE: Devil's Gate Reservoir Restoration

Jim,

I reviewed the COCs.

These samples should be on hold. Use the sample if needed only for original test request on the COC dated 07/14.

Date Collected 07/15

B1-S2-1 HOLD
B1-S2-5 HOLD
B1-S2-10 HOLD
B1-S2-15 HOLD

B3-S1-1 HOLD
B3-S2-5 HOLD
B3-S2-10 HOLD

The samples
Sincerely,

Gregory Sena | C.E.G.
Supervising Engineering Geologist II
Los Angeles County Public Works
626.458.7926 office | 626.703.8540 cell

From: Jim Lin <jiml@aetlab.com>
Sent: Thursday, July 16, 2020 9:08 AM
To: Gregory Sena <GSENA@dpw.lacounty.gov>
Cc: Ricardo Lopez-Maldonado <RLMALDONADO@dpw.lacounty.gov>
Subject: RE: Devil's Gate Reservoir Restoration

CAUTION: External Email. Proceed Responsibly.

Also B3, right.

From: Gregory Sena <GSENA@dpw.lacounty.gov>
Sent: Thursday, July 16, 2020 9:06 AM
To: Jim Lin <jiml@aetlab.com>
Cc: Ricardo Lopez-Maldonado <RLMALDONADO@dpw.lacounty.gov>
Subject: RE: Devil's Gate Reservoir Restoration

Jim,

Work Orders: 0G16057

Project: 105437

Attn: Jim Lin

Client: American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Report Date: 7/21/2020

Received Date: 7/16/2020

Turnaround Time: 2 workdays

Phones: (818) 845-8200

Fax: (818) 845-8840

P.O. #: Sub-31861

Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO17025 ANAB #L2457.01 • LAC5D #10143 • NELAP-OR #4047 •
NJ-DEP #CA015 • NV-DEP #NAC 445A • 5CAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Jim Lin,

Enclosed are the results of analyses for samples received 7/16/20 with the Chain-of-Custody document. The samples were received in good condition, at 6.8 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:



Regina M. Giancola
Project Manager





WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105437

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/21/2020 10:13

Sample Results

Sample:	105437.08						Sampled: 07/15/20 11:30 by RL
	0G16057-01 (Solid)						
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier	
Glyphosate by EPA 547							
Method: EPA 547M	Batch ID: W0G0888	Instr: LC10	Prepared: 07/17/20 10:40	Analyst: jna			
Glyphosate	ND	1.0	mg/kg	1	07/17/20		
Sample:	105437.09						Sampled: 07/15/20 12:40 by RL
	0G16057-02 (Solid)						
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier	
Glyphosate by EPA 547							
Method: EPA 547M	Batch ID: W0G0888	Instr: LC10	Prepared: 07/17/20 10:40	Analyst: jna			
Glyphosate	ND	1.0	mg/kg	1	07/17/20		
Sample:	105437.10						Sampled: 07/15/20 12:50 by RL
	0G16057-03 (Solid)						
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier	
Glyphosate by EPA 547							
Method: EPA 547M	Batch ID: W0G0888	Instr: LC10	Prepared: 07/17/20 10:40	Analyst: jna			
Glyphosate	ND	1.0	mg/kg	1	07/17/20		
Sample:	105437.11						Sampled: 07/15/20 13:00 by RL
	0G16057-04 (Solid)						
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier	
Glyphosate by EPA 547							
Method: EPA 547M	Batch ID: W0G0888	Instr: LC10	Prepared: 07/17/20 10:40	Analyst: jna			
Glyphosate	ND	1.0	mg/kg	1	07/17/20		
Sample:	105437.12						Sampled: 07/15/20 13:40 by RL
	0G16057-05 (Solid)						
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier	
Glyphosate by EPA 547							
Method: EPA 547M	Batch ID: W0G0888	Instr: LC10	Prepared: 07/17/20 10:40	Analyst: jna			
Glyphosate	ND	1.0	mg/kg	1	07/17/20		
Sample:	105437.13						Sampled: 07/15/20 13:50 by RL
	0G16057-06 (Solid)						
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier	
Glyphosate by EPA 547							
Method: EPA 547M	Batch ID: W0G0888	Instr: LC10	Prepared: 07/17/20 10:40	Analyst: jna			
Glyphosate	ND	1.0	mg/kg	1	07/17/20		



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105437

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/21/2020 10:13

Quality Control Results

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0G0888 - EPA 547M										
Blank (W0G0888-BLK1)										
Glyphosate	ND	1.0	mg/kg							
				Prepared & Analyzed: 07/17/20						
LCS (W0G0888-8S1)										
Glyphosate	3.65	1.0	mg/kg	5.00		73	50-150			
				Prepared & Analyzed: 07/17/20						
Matrix Spike (W0G0888-MS1)										
Glyphosate	2.96	1.0	mg/kg	5.00	ND	59	50-150			
				Prepared & Analyzed: 07/17/20						
Matrix Spike Dup (W0G0888-MSD1)										
Glyphosate	3.06	1.0	mg/kg	4.95	ND	62	50-150	3	30	



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105437

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/21/2020 10:13

Notes and Definitions

Item	Definition
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.



WECK LABORATORIES, INC.

Sample Receipt

WORK ORDER: 0G16057
Client: American Environmental Testing Lab
Project: LACDPW Glyphosate in Soil - July 2020

Printed: 7/17/2020 4:55:17PM
Project Manager: Regina M. Giancola
Project Number: 105437

Report To:
American Environmental Testing Lab
Jim Lin
2834 N Naomi Street
Burbank, CA 91504
Phone: (818) 845-8200
Fax: (818) 845-8840

Invoice To:
American Environmental Testing Lab
Jim Lin
2834 N Naomi Street
Burbank, CA 91504
Phone : (818) 845-8200
Fax: (818) 845-8840

Date Due: 07/20/20 09:00 (2 day TAT)
Received By: Lester K. Abad
Logged In By: Lester K. Abad

Date Received: 07/16/20 12:17
Date Logged In: 07/16/20 12:28

Samples Received at:	6.8°C				
All containers intact	Yes	Sample labels & COC agree	Yes	Sufficient holding time for all tests	Yes
	No	Samples preserved properly	Yes	Received on Ice	Yes
Chain of custody completed	Yes	Sample volume sufficient	Yes	Appropriate sample containers	Yes

Samples

Analysis	Expres	Analysis Comments
0G16057-01 Sample Name: 105437.08 [Solid] Sampled 7/15/2020 11:30 EPA 547M_s	07/29/20 11:30	
0G16057-02 Sample Name: 105437.09 [Solid] Sampled 7/15/2020 12:40 EPA 547M_s	07/29/20 12:40	
0G16057-03 Sample Name: 105437.10 [Solid] Sampled 7/15/2020 12:50 EPA 547M_s	07/29/20 12:50	
0G16057-04 Sample Name: 105437.11 [Solid] Sampled 7/15/2020 13:00 EPA 547M_s	07/29/20 13:00	
0G16057-05 Sample Name: 105437.12 [Solid] Sampled 7/15/2020 13:40 EPA 547M_s	07/29/20 13:40	
0G16057-06 Sample Name: 105437.13 [Solid] Sampled 7/15/2020 13:50 EPA 547M_s	07/29/20 13:50	
0G16057-07 Sample Name: 105437.14 [Solid] Sampled 7/15/2020 14:00 EPA 547M_s	07/29/20 14:00	
0G16057-08 Sample Name: 105437.15 [Solid] Sampled 7/15/2020 14:10 EPA 547M_s	07/29/20 14:10	

Note:
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.

CHAIN OF CUSTODY RECORD

Page 09/6057 of 105437

CLIENT NAME: A6TL		PROJECT: 105437		ANALYSIS REQUESTED		SPECIAL HANDLING																																																																					
ADDRESS: 2834 N. Naomi St. Berkeley, CA 94504		PHONE #: 888 845 8200		FAX #:		<input type="checkbox"/> Same Day Rush <input type="checkbox"/> 24 Hour Rush <input checked="" type="checkbox"/> 48-72 Hour Rush <input type="checkbox"/> 4-5 Day Rush <input type="checkbox"/> Rush Extraction <input type="checkbox"/> 10-15 Business Days <input type="checkbox"/> QA/QC Package Additional surcharges will apply for rush requests, weekends & holidays.																																																																					
PROJECT MANAGER: Jim Lin		SAMPLER: RL		P.O. #: Sub-31861		COMMENTS:																																																																					
SPECIAL IDENTIFICATION/SITE LOCATION		# OF CONT.		DATE / TIME		SAMPLE TYPE CODE:																																																																					
<table border="1"> <thead> <tr> <th>ID # (For Lab Use Only)</th> <th>DATE SAMPLED</th> <th>TIME SAMPLED</th> <th>SAMPLE TYPE</th> <th>SAMPLE IDENTIFICATION/SITE LOCATION</th> <th># OF CONT.</th> <th>DATE / TIME</th> <th>SAMPLE TYPE CODE</th> </tr> </thead> <tbody> <tr> <td>105437.08</td> <td>7/15/20</td> <td>1130</td> <td></td> <td></td> <td></td> <td>7/16/20</td> <td>AQ = Aqueous NA = Non Aqueous SL = Sludge DW = Drinking Water RW = Rain Water GW = Ground Water SO = Soil OL = Oil OT = Other Matrix</td> </tr> <tr> <td>105437.09</td> <td></td> <td>1240</td> <td></td> <td></td> <td></td> <td>12:17</td> <td></td> </tr> <tr> <td>105437.10</td> <td></td> <td>1250</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>105437.11</td> <td></td> <td>1300</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>105437.12</td> <td></td> <td>1340</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>105437.13</td> <td></td> <td>1350</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>105437.14</td> <td></td> <td>1400</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>105437.15</td> <td></td> <td>1410</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		ID # (For Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	DATE / TIME	SAMPLE TYPE CODE	105437.08	7/15/20	1130				7/16/20	AQ = Aqueous NA = Non Aqueous SL = Sludge DW = Drinking Water RW = Rain Water GW = Ground Water SO = Soil OL = Oil OT = Other Matrix	105437.09		1240				12:17		105437.10		1250						105437.11		1300						105437.12		1340						105437.13		1350						105437.14		1400						105437.15		1410						Actual Temperature: Co. 8 Received on Ice Preserved at Lab Preserved Evidence Seals Present Evidence Seals Intact Container Intact Method of Shipment: Tor37	
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SIGNATURE: <i>[Signature]</i>		SIGNATURE: <i>[Signature]</i>		7/16/20		7/16/20																																																																					
PRINT NAME: Thomas		PRINT NAME: L. Hood		12:17		12:17																																																																					
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PRE-SCHEDULED RUSH ANALYSES WILL TAKE PRIORITY OVER UNSCHEDULED RUSH REQUESTS. CLIENT AGREES TO TERMS AND CONDITIONS (SEE BACK OF THIS FORM OR AT WWW.WECKLABS.COM)

DISTRIBUTION:

WHITE & CANARY - For Laboratory

Pink - For Client



American Environmental Testing Laboratory Inc.

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Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Number of Pages 73
Date Received 07/16/2020
Date Reported 07/21/2020

Telephone: (626)458-4923
Attention: Greg Sena

Job Number	Order Date	Client
105452	07/16/2020	LACDPW

Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.
Site: Devil's Gate Reservoir

Enclosed please find results of analyses of 15 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 21 pages

Checked By: _____

Approved By: _____

Joe Sevrean
Laboratory Director



AMERICAN ENVIRONMENTAL TESTING LABORATORY
 2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP # 1541 LACSD# 10181
 TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

CHAIN OF CUSTODY RECORD

119376

Page 1 of 1

AETL JOB No. 105452

COMPANY: LACO Public Works
 PROJECT MANAGER: Gregory Serna, Ricardo Lopez
 COMPANY ADDRESS: 900 S. Fremont Ave, Alhambra, CA 91803
 PHONE: 626.458.4923, EMAIL: 626.488.4913
 PROJECT NAME: Devil's Gate Reservoir Restoration
 PROJECT #: HF0071004
 SITE NAME AND ADDRESS: Devil's Gate Reservoir

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
B8-S2-1	105452.01	7-16-20	08:50	soil	4veas / 2.02J	ICE V.
B8-S2-5	105452.02		09:00			
B8-S2-10	105452.03		09:10			
B8-S2-15	105452.04		09:20			
B8-S2-20	105452.05		09:30			
B6-S2-1	105452.06		10:40			
B6-S2-5	105452.07		10:50			
B6-S2-10	105452.08		11:10			
B6-S2-15	105452.09		11:20			
B6-S2-20	105452.10		11:30			
B7-S2-1	105452.11		13:20			
B7-S2-5	105452.12		13:30			
B7-S2-10	105452.13		13:40			
B7-S2-15	105452.14		13:50			
B7-S2-20	105452.15		14:00			

TOTAL NUMBER OF CONTAINERS: 90
 RELINQUISHED BY SAMPLER: [Signature]

RELINQUISHED BY: 1. [Signature] 2. [Signature] 3. [Signature]
 Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]

RECEIVED BY: 1. [Signature] 2. [Signature] 3. [Signature]
 Signature: [Signature] Printed Name: [Name] Date: [Date] Time: [Time]

ANALYSIS REQUESTED	TEST INSTRUCTIONS & COMMENTS
Title 22 Metals APCs 8081A SVOC's B270C TPH-g 8015* TPH-D/# 8015* PCB's 8082 VOC's + Ox's 8260B Perchlorate 314.0M Glyoxalate 547M	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



A KYZER LABS COMPANY

AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 N. NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP# 1541 & 2402 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: <i>LACDPW</i>			
Project Name:			
AETL Job Number: <i>105452</i>			
Date Received: <i>7/16/20</i>		Received by: <i>Sargis - P</i>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<i>2</i>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <i>3.2°C</i> , No 2: <i>3.2°C</i> , No 3:			
Type of sample containers: <input checked="" type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input checked="" type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify): <i>Sodium bisulfite</i>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?	<i>N/A</i>		
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	<i>N/A</i>		
11. Are the jars free of headspace?	↓		

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.

Explain all "No" answers for above questions:



American Environmental Testing Laboratory Inc.

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Page: 1 A

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Project ID: HF00710004
Date Received 07/16/2020
Date Reported 07/21/2020

Telephone: (626) 458-4923

Attention: Greg Sena

Job Number	Order Date	Client
105452	07/16/2020	LACDPW

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 15 samples with the following specification on 07/16/2020.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
105452.01	B8-S2-1	07/16/2020	Soil	5
105452.02	B8-S2-5	07/16/2020	Soil	5
105452.03	B8-S2-10	07/16/2020	Soil	5
105452.04	B8-S2-15	07/16/2020	Soil	5
105452.05	B8-S2-20	07/16/2020	Soil	5
105452.06	B6-S2-1	07/16/2020	Soil	5
105452.07	B6-S2-5	07/16/2020	Soil	5
105452.08	B6-S2-10	07/16/2020	Soil	5
105452.09	B6-S2-15	07/16/2020	Soil	5
105452.10	B6-S2-20	07/16/2020	Soil	5
105452.11	B7-S2-1	07/16/2020	Soil	5
105452.12	B7-S2-5	07/16/2020	Soil	5
105452.13	B7-S2-10	07/16/2020	Soil	5
105452.14	B7-S2-15	07/16/2020	Soil	5
105452.15	B7-S2-20	07/16/2020	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(314.0)	07/20/2020	4	Rush	ug/Kg
(6010B/7000CAM)	07/20/2020	4	Rush	mg/Kg
(8081A)	07/20/2020	4	Rush	ug/Kg
(8082)	07/20/2020	4	Rush	ug/Kg
(8260B) ^ +OXY5035	07/20/2020	4	Rush	ug/Kg
(8270C)	07/20/2020	4	Rush	mg/Kg
(M8015D) ^ C13-C40	07/20/2020	4	Rush	mg/Kg
(M8015G)	07/20/2020	4	Rush	mg/Kg

Continued



American Environmental Testing Laboratory Inc.

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Page: 1 B

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Project ID: HF00710004
Date Received 07/16/2020
Date Reported 07/21/2020

Telephone: (626) 458-4923

Attention: Greg Sena

Job Number	Order Date	Client
105452	07/16/2020	LACDPW

CERTIFICATE OF ANALYSIS CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By:  _____

Approved By:  _____

Joe Sevrean
Laboratory Director



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181

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ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
GMED
900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 2

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0306

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method		314.0	314.0	314.0	314.0	314.0
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Perchlorate	20.0	20.0	ND	ND	ND	ND



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181

Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
GMED
900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 3

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0306

Our Lab I.D.		105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.		B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method		314.0	314.0	314.0	314.0	314.0
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Perchlorate	20.0	20.0	ND	ND	ND	28.0
						57.0



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0306

Our Lab I.D.		105452.10	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.		B6-S2-20	B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled		07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method		314.0	314.0	314.0	314.0	314.0
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Perchlorate	20.0	20.0	ND	ND	ND	39.0



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0306

Our Lab I.D.			105452.15				
Client Sample I.D.			B7-S2-20				
Date Sampled			07/16/2020				
Date Prepared			07/17/2020				
Preparation Method			314.0				
Date Analyzed			07/17/2020				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	MDL	PQL	Results				
Perchlorate	20.0	20.0	ND				



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0717202C9

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		3050B	3050B	3050B	3050B	3050B	
Date Analyzed		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	2.80J	1.17J	1.73J	5.62
Barium	2.5	5.0	ND	103	41.2	40.4	74.9
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	ND	ND	1.38J	ND	ND
Chromium	2.5	5.0	ND	18.1	5.45	8.29	11.9
Cobalt	2.5	5.0	ND	11.5	4.66J	5.05	9.15
Copper	2.5	5.0	ND	19.7	5.72	6.94	24.4
Lead	2.5	5.0	ND	18.3	2.90J	4.68J	11.6
Mercury (By EPA 7471)	0.1	0.2	ND	0.214	0.222	0.138J	0.356
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	10.9	3.06J	3.49J	7.39
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	46.1	25.4	38.9	43.2
Zinc	2.5	5.0	ND	84.2	25.7	34.7	68.4



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0717202C9

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	1.12J	3.01J	2.87J	3.76J	3.27J
Barium	2.5	5.0	46.0	108	85.2	111	103
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	8.71	20.1	10.8	19.9	18.9
Cobalt	2.5	5.0	4.89J	11.6	8.14	12.8	12.1
Copper	2.5	5.0	6.10	23.6	15.1	26.6	16.0
Lead	2.5	5.0	ND	15.3	6.65	7.74	5.14
Mercury (By EPA 7471)	0.1	0.2	0.155J	0.233	0.161J	0.232	0.189J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	4.72J	11.9	5.94	11.7	10.2
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	28.3	47.6	38.7	54.9	51.5
Zinc	2.5	5.0	25.6	80.2	54.4	81.1	74.8



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0717202C9

Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	3.75J	3.23J	3.38J	3.09J	3.84J
Barium	2.5	5.0	83.9	115	79.2	80.7	84.2
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	12.2	22.0	12.6	13.9	22.9
Cobalt	2.5	5.0	10.9	12.6	9.14	8.34	10.5
Copper	2.5	5.0	15.4	20.2	15.4	65.2	19.1
Lead	2.5	5.0	5.76	16.1	12.9	13.1	10.3
Mercury (By EPA 7471)	0.1	0.2	0.170J	0.653	0.224	0.153J	0.270
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	7.31	12.0	7.14	7.40	9.12
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	45.5	51.7	41.3	37.9	41.4
Zinc	2.5	5.0	66.4	91.8	63.1	94.2	68.0



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0717202C9

Our Lab I.D.	105452.15		
Client Sample I.D.	B7-S2-20		
Date Sampled	07/16/2020		
Date Prepared	07/17/2020		
Preparation Method	3050B		
Date Analyzed	07/20/2020		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Antimony	1.0	5.0	ND
Arsenic	1.0	5.0	1.72J
Barium	2.5	5.0	46.0
Beryllium	1.0	2.5	ND
Cadmium	1.0	2.5	ND
Chromium	2.5	5.0	7.96
Cobalt	2.5	5.0	6.15
Copper	2.5	5.0	9.91
Lead	2.5	5.0	2.91J
Mercury (By EPA 7471)	0.1	0.2	0.219
Molybdenum	2.0	5.0	ND
Nickel	2.5	5.0	4.21J
Selenium	1.0	5.0	ND
Silver	2.0	5.0	ND
Thallium	0.7	5.0	ND
Vanadium	2.5	5.0	29.7
Zinc	2.5	5.0	34.5



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071720EB2

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	80.0	170.0	ND	ND	ND	ND	ND



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	117	95.6	110	108	124
Tetrachloro-m-xylene	30-150	102	87.6	108	106	121



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071720EB2

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	80.0	170.0	ND	ND	ND	ND	ND



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		104	98.4	102	118	116
Tetrachloro-m-xylene	30-150		109	94.0	105	119	118



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Telephone: (626)458-4923

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071720EB2

Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	4.64	3.19	ND
Chlordane (alpha)	1.0	2.0	ND	ND	3.07	1.71J	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	3.69	1.02J	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	1.57J	1.48J	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	80.0	170.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		105452.10	105452.11	105452.12	105452.13	105452.14
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	116	105	99.6	99.6	110
Tetrachloro-m-xylene	30-150	122	115	108	107	116



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071720EB2

Our Lab I.D.	105452.15		
Client Sample I.D.	B7-S2-20		
Date Sampled	07/16/2020		
Date Prepared	07/17/2020		
Preparation Method	3550B		
Date Analyzed	07/17/2020		
Matrix	Soil		
Units	ug/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Aldrin	1.0	2.0	ND
Chlordane (Total)	1.0	2.0	ND
Chlordane (alpha)	1.0	2.0	ND
4,4'-DDD (DDD)	1.0	2.0	ND
4,4'-DDE (DDE)	1.0	2.0	ND
4,4'-DDT (DDT)	1.0	2.0	ND
Dieldrin	1.0	2.0	ND
Endosulfan 1	1.0	2.0	ND
Endosulfan 11	1.0	2.0	ND
Endosulfan sulfate	1.0	2.0	ND
Endrin	1.0	2.0	ND
Endrin aldehyde	1.0	2.0	ND
Endrin ketone	1.0	2.0	ND
Chlordane (gamma)	1.0	2.0	ND
Heptachlor	1.0	2.0	ND
Heptachlor epoxide	1.0	2.0	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND
Methoxychlor	5.0	10.0	ND
Toxaphene	80.0	170.0	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		105452.15				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	104				
Tetrachloro-m-xylene	30-150	108				



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071720ZB1

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150	108	70.4	80.0	74.4	71.6	
Tetrachloro-m-xylene	30-150	108	110	107	110	116	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071720ZB1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		80.8	71.6	90.0	72.0	88.0
Tetrachloro-m-xylene	30-150		111	105	117	110	92.4



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071720ZB1

Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/17/2020	07/18/2020	07/18/2020	07/18/2020	07/18/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		80.4	68.8	74.8	90.4	71.6
Tetrachloro-m-xylene	30-150		119	105	107	117	96.0



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071720ZB1

Our Lab I.D.			105452.15			
Client Sample I.D.			B7-S2-20			
Date Sampled			07/16/2020			
Date Prepared			07/17/2020			
Preparation Method			3550B			
Date Analyzed			07/18/2020			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Aroclor-1016 (PCB-1016)	20.0	50.0	ND			
Aroclor-1221 (PCB-1221)	20.0	50.0	ND			
Aroclor-1232 (PCB-1232)	20.0	50.0	ND			
Aroclor-1242 (PCB-1242)	20.0	50.0	ND			
Aroclor-1248 (PCB-1248)	20.0	50.0	ND			
Aroclor-1254 (PCB-1254)	20.0	50.0	ND			
Aroclor-1260 (PCB-1260)	20.0	50.0	ND			
Aroclor-1262 (PCB-1262)	20.0	50.0	ND			
Aroclor-1268 (PCB-1268)	20.0	50.0	ND			
Our Lab I.D.			105452.15			
Surrogates	%Rec.Limit		% Rec.			
Decachlorobiphenyl	30-150		70.4			
Tetrachloro-m-xylene	30-150		115			



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			Method Blank	105452.01	105452.02	105452.03	105452.04
Client Sample I.D.				B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	6.32J	ND	ND	3.22J
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			Method Blank	105452.01	105452.02	105452.03	105452.04
Client Sample I.D.				B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	2.36J	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/17/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	86.0	91.0	85.3	86.0	85.4	
Dibromofluoromethane	75-125	110	112	111	113	111	
Toluene-d8	75-125	96.4	99.1	95.2	95.6	95.1	



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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	10.8	1.44J	1.38J	2.89J
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	9.44J	2.21J	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		85.9	89.3	86.8	86.8	86.2
Dibromofluoromethane	75-125		112	112	112	112	112
Toluene-d8	75-125		95.4	96.3	95.3	95.9	95.4



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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			105452.10			
Client Sample I.D.			B6-S2-20			
Date Sampled			07/16/2020			
Date Prepared			07/16/2020			
Preparation Method			5035A			
Date Analyzed			07/17/2020			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			105452.10			
Client Sample I.D.			B6-S2-20			
Date Sampled			07/16/2020			
Date Prepared			07/16/2020			
Preparation Method			5035A			
Date Analyzed			07/17/2020			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			105452.10			
Client Sample I.D.			B6-S2-20			
Date Sampled			07/16/2020			
Date Prepared			07/16/2020			
Preparation Method			5035A			
Date Analyzed			07/17/2020			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
Our Lab I.D.			105452.10			
Surrogates	%Rec.Limit		% Rec.			
Bromofluorobenzene	75-125		86.5			
Dibromofluoromethane	75-125		113			
Toluene-d8	75-125		94.6			



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0718201A1

Our Lab I.D.			Method Blank	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.				B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/18/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/18/2020	07/18/2020	07/18/2020	07/18/2020	07/18/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	4.86J	3.88J	ND	2.71J
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0718201A1

Our Lab I.D.			Method Blank	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.				B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/18/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/18/2020	07/18/2020	07/18/2020	07/18/2020	07/18/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	1.64J	1.76J	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0718201A1

Our Lab I.D.		Method Blank	105452.11	105452.12	105452.13	105452.14	
Client Sample I.D.			B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/18/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		07/18/2020	07/18/2020	07/18/2020	07/18/2020	07/18/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105452.11	105452.12	105452.13	105452.14	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	85.0	87.1	86.4	86.6	85.8	
Dibromofluoromethane	75-125	109	111	111	111	112	
Toluene-d8	75-125	95.3	95.5	96.1	94.4	95.2	



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 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1

Our Lab I.D.			Method Blank	105452.15		
Client Sample I.D.				B7-S2-20		
Date Sampled				07/16/2020		
Date Prepared			07/20/2020	07/16/2020		
Preparation Method			5030	5035A		
Date Analyzed			07/20/2020	07/20/2020		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Acetone	25	50	ND	ND		
Benzene	1.0	10.0	ND	2.46J		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND		
2-Butanone (MEK)	25	50	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND		
Carbon Disulfide	25	50	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND		
Chloroethane	15	30	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND		
Dibromomethane	5.0	10.0	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND		



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1

Our Lab I.D.		Method Blank	105452.15			
Client Sample I.D.			B7-S2-20			
Date Sampled			07/16/2020			
Date Prepared		07/20/2020	07/16/2020			
Preparation Method		5030	5035A			
Date Analyzed		07/20/2020	07/20/2020			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Dichlorodifluoromethane	15	30	ND	ND		
1,1-Dichloroethane	5.0	10.0	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND		
Hexachlorobutadiene	15	30	ND	ND		
2-Hexanone	25	50	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND		
Naphthalene	5.0	10.0	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND		
Styrene	5.0	10.0	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND		
Trichloroethene	1.5	10.0	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND		



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1

Our Lab I.D.			Method Blank	105452.15			
Client Sample I.D.				B7-S2-20			
Date Sampled				07/16/2020			
Date Prepared			07/20/2020	07/16/2020			
Preparation Method			5030	5035A			
Date Analyzed			07/20/2020	07/20/2020			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
tert-Butyl alcohol (TBA)	20	500	ND	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND			
Ethyl alcohol (Ethanol)	100	500	ND	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND			
Our Lab I.D.			Method Blank	105452.15			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		82.9	85.0			
Dibromofluoromethane	75-125		114	117			
Toluene-d8	75-125		94.0	94.0			



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900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			Method Blank	105452.01	105452.02	105452.03	105452.04
Client Sample I.D.				B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			Method Blank	105452.01	105452.02	105452.03	105452.04
Client Sample I.D.				B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
Pyridine	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
2-Fluorophenol	25-121	76.8	6.7 S6	53.2	56.8	40.2	
2-Fluorobiphenyl	30-115	84.8	46.4	77.2	74.0	46.0	
Nitrobenzene-d5	23-120	74.8	35.9	66.0	60.4	36.3	
Phenol-d6	21-113	77.2	13.8 S6	61.4	62.6	37.0	
p-Terphenyl-D14	18-137	108	59.6	98.0	102	62.0	
2,4,6-Tribromophenol	19-122	93.2	37.4	67.8	74.8	47.4	



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Ordered By

Site

LA County Dept. of Public Works
GMED
900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
Pyridine	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
2-Fluorophenol	25-121		64.6	21.6	40.6	45.2	38.0
2-Fluorobiphenyl	30-115		69.6	40.8	64.8	53.2	49.6
Nitrobenzene-d5	23-120		56.0	28.9	51.2	42.4	38.4
Phenol-d6	21-113		61.4	23.2	46.2	44.6	37.0
p-Terphenyl-D14	18-137		102	52.4	82.4	66.0	56.8
2,4,6-Tribromophenol	19-122		79.0	32.2	56.2	55.8	50.6



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ANALYTICAL RESULTS

Ordered By

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 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.10	105452.11	105452.12		
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5		
Date Sampled			07/16/2020	07/16/2020	07/16/2020		
Date Prepared			07/20/2020	07/20/2020	07/20/2020		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			07/21/2020	07/21/2020	07/21/2020		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Acenaphthene	0.25	0.50	ND	ND	ND		
Acenaphthylene	0.25	0.50	ND	ND	ND		
Anthracene	0.25	0.50	ND	ND	ND		
Azobenzene	0.25	0.50	ND	ND	ND		
Benzidine	0.25	0.50	ND	ND	ND		
Benzo(a)anthracene	0.25	0.50	ND	ND	ND		
Benzo(a)pyrene	0.25	0.50	ND	ND	ND		
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND		
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND		
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND		
Benzoic Acid	0.25	0.50	ND	ND	ND		
Benzyl Alcohol	0.25	0.50	ND	ND	ND		
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND		
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND		
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND		
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND		
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND		
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND		
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND		
4-Chloroaniline	0.25	0.50	ND	ND	ND		
2-Chloronaphthalene	0.25	0.50	ND	ND	ND		
2-Chlorophenol	0.25	0.50	ND	ND	ND		
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND		
Chrysene	0.25	0.50	ND	ND	ND		
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND		
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND		
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND		



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.10	105452.11	105452.12		
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5		
Date Sampled			07/16/2020	07/16/2020	07/16/2020		
Date Prepared			07/20/2020	07/20/2020	07/20/2020		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			07/21/2020	07/21/2020	07/21/2020		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Dibenzofuran	0.25	0.50	ND	ND	ND		
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND		
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND		
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND		
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND		
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND		
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND		
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND		
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND		
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND		
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND		
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND		
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND		
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND		
Fluoranthene	0.25	0.50	ND	ND	ND		
Fluorene	0.25	0.50	ND	ND	ND		
Hexachlorobenzene	0.25	0.50	ND	ND	ND		
Hexachlorobutadiene	0.25	0.50	ND	ND	ND		
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND		
Hexachloroethane	0.25	0.50	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND		
Isophorone	0.25	0.50	ND	ND	ND		
2-Methylnaphthalene	0.25	0.50	ND	ND	ND		
4-Methylphenol	0.25	0.50	ND	ND	ND		
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND		
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND		
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND		
Naphthalene	0.25	0.50	ND	ND	ND		
2-Nitroaniline	0.25	0.50	ND	ND	ND		
3-Nitroaniline	0.25	0.50	ND	ND	ND		
4-Nitroaniline	0.25	0.50	ND	ND	ND		
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND		
4-Nitrophenol	0.25	0.50	ND	ND	ND		
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND		



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.10	105452.11	105452.12		
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5		
Date Sampled			07/16/2020	07/16/2020	07/16/2020		
Date Prepared			07/20/2020	07/20/2020	07/20/2020		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			07/21/2020	07/21/2020	07/21/2020		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND		
Pentachlorophenol	0.25	0.50	ND	ND	ND		
Phenanthrene	0.25	0.50	ND	ND	ND		
Phenol	0.25	0.50	ND	ND	ND		
Pyrene	0.25	0.50	ND	ND	ND		
Pyridine	0.25	0.50	ND	ND	ND		
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND		
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND		
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND		
Our Lab I.D.			105452.10	105452.11	105452.12		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
2-Fluorophenol	25-121		47.8	38.2	41.2		
2-Fluorobiphenyl	30-115		57.2	50.0	51.6		
Nitrobenzene-d5	23-120		45.2	40.8	40.8		
Phenol-d6	21-113		46.6	39.4	39.8		
p-Terphenyl-D14	18-137		69.2	56.4	60.4		
2,4,6-Tribromophenol	19-122		59.4	45.0	7.2 S6		



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Alhambra, CA 91803-

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.	105452.13		
Client Sample I.D.	B7-S2-10		
Date Sampled	07/16/2020		
Date Prepared	07/20/2020		
Preparation Method	3550B		
Date Analyzed	07/21/2020		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	2		
Analytes	MDL	PQL	Results
Acenaphthene	0.50	1.00	ND
Acenaphthylene	0.50	1.00	ND
Anthracene	0.50	1.00	ND
Azobenzene	0.50	1.00	ND
Benzidine	0.50	1.00	ND
Benzo(a)anthracene	0.50	1.00	ND
Benzo(a)pyrene	0.50	1.00	ND
Benzo(b)fluoranthene	0.50	1.00	ND
Benzo(g,h,i)perylene	0.50	1.00	ND
Benzo(k)fluoranthene	0.50	1.00	ND
Benzoic Acid	0.50	1.00	ND
Benzyl Alcohol	0.50	1.00	ND
Bis(2-Chloroethoxy)methane	0.50	1.00	ND
Bis(2-Chloroethyl)ether	0.50	1.00	ND
Bis(2-chloroisopropyl) ether	0.50	1.00	ND
Bis(2-ethylhexyl) phthalate	0.50	1.00	ND
4-Bromophenyl phenyl ether	0.50	1.00	ND
Butyl benzyl phthalate	0.50	1.00	ND
4-Chloro-3-methylphenol	0.50	1.00	ND
4-Chloroaniline	0.50	1.00	ND
2-Chloronaphthalene	0.50	1.00	ND
2-Chlorophenol	0.50	1.00	ND
4-Chlorophenyl phenyl ether	0.50	1.00	ND
Chrysene	0.50	1.00	ND
Di-n-butyl phthalate	0.50	1.00	ND
Di-n-octyl phthalate (Dioctyl ester)	0.50	1.00	ND
Dibenzo(a,h)anthracene	0.50	1.00	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.13			
Client Sample I.D.			B7-S2-10			
Date Sampled			07/16/2020			
Date Prepared			07/20/2020			
Preparation Method			3550B			
Date Analyzed			07/21/2020			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			2			
Analytes	MDL	PQL	Results			
Dibenzofuran	0.50	1.00	ND			
1,2-Dichlorobenzene	0.50	1.00	ND			
1,3-Dichlorobenzene	0.50	1.00	ND			
1,4-Dichlorobenzene	0.50	1.00	ND			
3,3'-Dichlorobenzidine	0.50	1.00	ND			
2,4-Dichlorophenol	0.50	1.00	ND			
2,6-Dichlorophenol	0.50	1.00	ND			
Diethyl phthalate (Diethyl ester)	0.50	1.00	ND			
Dimethyl phthalate (Dimethyl ester)	0.50	1.00	ND			
2,4-Dimethylphenol	0.50	1.00	ND			
4,6-Dinitro-2-methylphenol	0.50	1.00	ND			
2,4-Dinitrophenol	0.50	1.00	ND			
2,4-Dinitrotoluene	0.50	1.00	ND			
2,6-Dinitrotoluene (2,6-DNT)	0.50	1.00	ND			
Fluoranthene	0.50	1.00	ND			
Fluorene	0.50	1.00	ND			
Hexachlorobenzene	0.50	1.00	ND			
Hexachlorobutadiene	0.50	1.00	ND			
Hexachlorocyclopentadiene	0.50	1.00	ND			
Hexachloroethane	0.50	1.00	ND			
Indeno(1,2,3-cd)pyrene	0.50	1.00	ND			
Isophorone	0.50	1.00	ND			
2-Methylnaphthalene	0.50	1.00	ND			
4-Methylphenol	0.50	1.00	ND			
2-Methylphenol (2-Cresol)	0.50	1.00	ND			
3-Methylphenol (3-Cresol)	0.50	1.00	ND			
N-Nitroso-Di-n-propylamine	0.50	1.00	ND			
Naphthalene	0.50	1.00	ND			
2-Nitroaniline	0.50	1.00	ND			
3-Nitroaniline	0.50	1.00	ND			
4-Nitroaniline	0.50	1.00	ND			
Nitrobenzene (NB)	0.50	1.00	ND			
4-Nitrophenol	0.50	1.00	ND			
2-Nitrophenol (o-Nitrophenol)	0.50	1.00	ND			



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.	105452.13		
Client Sample I.D.	B7-S2-10		
Date Sampled	07/16/2020		
Date Prepared	07/20/2020		
Preparation Method	3550B		
Date Analyzed	07/21/2020		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	2		
Analytes	MDL	PQL	Results
N-nitrosodiphenylamine	0.50	1.00	ND
Pentachlorophenol	0.50	1.00	ND
Phenanthrene	0.50	1.00	ND
Phenol	0.50	1.00	ND
Pyrene	0.50	1.00	ND
Pyridine	0.50	1.00	ND
1,2,4-Trichlorobenzene	0.50	1.00	ND
2,4,5-Trichlorophenol	0.50	1.00	ND
2,4,6-Trichlorophenol	0.50	1.00	ND

Comment(s):

105452.13: Analyzed under dilution due to matrix interference

Our Lab I.D.	105452.13		
Surrogates	%Rec.Limit	% Rec.	
2-Fluorophenol	25-121	66.6	
2-Fluorobiphenyl	30-115	80.0	
Nitrobenzene-d5	23-120	64.8	
Phenol-d6	21-113	64.8	
p-Terphenyl-D14	18-137	91.2	
2,4,6-Tribromophenol	19-122	75.0	



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.14	105452.15		
Client Sample I.D.			B7-S2-15	B7-S2-20		
Date Sampled			07/16/2020	07/16/2020		
Date Prepared			07/20/2020	07/20/2020		
Preparation Method			3550B	3550B		
Date Analyzed			07/21/2020	07/21/2020		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Acenaphthene	0.25	0.50	ND	ND		
Acenaphthylene	0.25	0.50	ND	ND		
Anthracene	0.25	0.50	ND	ND		
Azobenzene	0.25	0.50	ND	ND		
Benzidine	0.25	0.50	ND	ND		
Benzo(a)anthracene	0.25	0.50	ND	ND		
Benzo(a)pyrene	0.25	0.50	ND	ND		
Benzo(b)fluoranthene	0.25	0.50	ND	ND		
Benzo(g,h,i)perylene	0.25	0.50	ND	ND		
Benzo(k)fluoranthene	0.25	0.50	ND	ND		
Benzoic Acid	0.25	0.50	ND	ND		
Benzyl Alcohol	0.25	0.50	ND	ND		
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND		
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND		
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND		
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND		
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND		
Butyl benzyl phthalate	0.25	0.50	ND	ND		
4-Chloro-3-methylphenol	0.25	0.50	ND	ND		
4-Chloroaniline	0.25	0.50	ND	ND		
2-Chloronaphthalene	0.25	0.50	ND	ND		
2-Chlorophenol	0.25	0.50	ND	ND		
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND		
Chrysene	0.25	0.50	ND	ND		
Di-n-butyl phthalate	0.25	0.50	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND		
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND		



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.14	105452.15			
Client Sample I.D.			B7-S2-15	B7-S2-20			
Date Sampled			07/16/2020	07/16/2020			
Date Prepared			07/20/2020	07/20/2020			
Preparation Method			3550B	3550B			
Date Analyzed			07/21/2020	07/21/2020			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dibenzofuran	0.25	0.50	ND	ND			
1,2-Dichlorobenzene	0.25	0.50	ND	ND			
1,3-Dichlorobenzene	0.25	0.50	ND	ND			
1,4-Dichlorobenzene	0.25	0.50	ND	ND			
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND			
2,4-Dichlorophenol	0.25	0.50	ND	ND			
2,6-Dichlorophenol	0.25	0.50	ND	ND			
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND			
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND			
2,4-Dimethylphenol	0.25	0.50	ND	ND			
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND			
2,4-Dinitrophenol	0.25	0.50	ND	ND			
2,4-Dinitrotoluene	0.25	0.50	ND	ND			
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND			
Fluoranthene	0.25	0.50	ND	ND			
Fluorene	0.25	0.50	ND	ND			
Hexachlorobenzene	0.25	0.50	ND	ND			
Hexachlorobutadiene	0.25	0.50	ND	ND			
Hexachlorocyclopentadiene	0.25	0.50	ND	ND			
Hexachloroethane	0.25	0.50	ND	ND			
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND			
Isophorone	0.25	0.50	ND	ND			
2-Methylnaphthalene	0.25	0.50	ND	ND			
4-Methylphenol	0.25	0.50	ND	ND			
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND			
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND			
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND			
Naphthalene	0.25	0.50	ND	ND			
2-Nitroaniline	0.25	0.50	ND	ND			
3-Nitroaniline	0.25	0.50	ND	ND			
4-Nitroaniline	0.25	0.50	ND	ND			
Nitrobenzene (NB)	0.25	0.50	ND	ND			
4-Nitrophenol	0.25	0.50	ND	ND			
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND			



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.14	105452.15			
Client Sample I.D.			B7-S2-15	B7-S2-20			
Date Sampled			07/16/2020	07/16/2020			
Date Prepared			07/20/2020	07/20/2020			
Preparation Method			3550B	3550B			
Date Analyzed			07/21/2020	07/21/2020			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
N-nitrosodiphenylamine	0.25	0.50	ND	ND			
Pentachlorophenol	0.25	0.50	ND	ND			
Phenanthrene	0.25	0.50	ND	ND			
Phenol	0.25	0.50	ND	ND			
Pyrene	0.25	0.50	ND	ND			
Pyridine	0.25	0.50	ND	ND			
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND			
2,4,5-Trichlorophenol	0.25	0.50	ND	ND			
2,4,6-Trichlorophenol	0.25	0.50	ND	ND			
Our Lab I.D.			105452.14	105452.15			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
2-Fluorophenol	25-121		36.0	59.0			
2-Fluorobiphenyl	30-115		46.8	65.2			
Nitrobenzene-d5	23-120		36.4	54.4			
Phenol-d6	21-113		37.2	58.2			
p-Terphenyl-D14	18-137		56.4	78.8			
2,4,6-Tribromophenol	19-122		51.0	67.6			



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0717200B2

Our Lab I.D.			Method Blank	105452.01	105452.02	105452.03	105452.04
Client Sample I.D.				B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/18/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	105452.01	105452.02	105452.03	105452.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		105	112	111	108	107



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0717200B2

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/18/2020	07/18/2020	07/18/2020	07/18/2020	07/18/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		107	109	110	106	112



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0717200B2

Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/18/2020	07/18/2020	07/18/2020	07/18/2020	07/18/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		111	110	109	112	100



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0717200B2

Our Lab I.D.			105452.15			
Client Sample I.D.			B7-S2-20			
Date Sampled			07/16/2020			
Date Prepared			07/17/2020			
Preparation Method			5035A			
Date Analyzed			07/18/2020			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND			
Our Lab I.D.			105452.15			
Surrogates	%Rec.Limit		% Rec.			
Bromofluorobenzene	75-125		111			



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071720DB1

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method		3550B	3550B	3550B	3550B	3550B
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	15.0	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	15.0	ND	ND
Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		95.8	76.0	96.9	109



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071720DB1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/17/2020	07/20/2020	07/17/2020	07/17/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	ND
Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		110	115	103	75.1	104



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071720DB1

Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/20/2020	07/20/2020	07/18/2020	07/18/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	1.54J	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	12.7	ND	22.2	5.01
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	14.2	ND	22.2	5.01
Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		99.8	110	108	107	101



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071720DB1

Our Lab I.D.			105452.15			
Client Sample I.D.			B7-S2-20			
Date Sampled			07/16/2020			
Date Prepared			07/17/2020			
Preparation Method			3550B			
Date Analyzed			07/20/2020			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
TPH as Diesel (C13-C22)	1.0	5.0	ND			
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND			
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND			
Our Lab I.D.			105452.15			
Surrogates	%Rec.Limit		% Rec.			
Chlorobenzene	75-125		107			



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0306; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Perchlorate	0.00	500	500	100	500	530	106	5.8	70-130	<30

QC Batch No: B0G0306; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Perchlorate	500	497	99.4	80-120						



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0717202C9; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/20/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	47.5	94.9	50.0	47.1	94.1	<1	75-125	<15
Arsenic	2.80	50.0	50.9	96.2	50.0	50.7	95.8	<1	75-125	<15
Barium	103	50.0	152	98.0	50.0	152	98.0	<1	75-125	<15
Beryllium	0.00	50.0	50.5	101	50.0	51.0	102	<1	75-125	<15
Cadmium	0.00	50.0	43.2	86.3	50.0	43.1	86.1	<1	75-125	<15
Chromium	18.1	50.0	64.9	93.6	50.0	64.9	93.6	<1	75-125	<15
Cobalt	11.5	50.0	56.5	90.0	50.0	56.4	89.8	<1	75-125	<15
Copper	19.7	50.0	75.2	111	50.0	74.7	110	<1	75-125	<15
Lead	18.3	50.0	61.7	86.8	50.0	61.8	87.0	<1	75-125	<15
Mercury (By EPA 7471)	0.214	0.500	0.659	89.0	0.500	0.684	94.0	5.5	75-125	<15
Molybdenum	0.00	50.0	47.3	94.6	50.0	47.5	95.0	<1	75-125	<15
Nickel	10.9	50.0	55.4	89.0	50.0	55.3	88.8	<1	75-125	<15
Selenium	0.00	50.0	39.0	78.0	50.0	38.5	77.0	1.3	75-125	<15
Silver	0.00	50.0	46.5	93.0	50.0	46.5	93.0	<1	75-125	<15
Thallium	0.00	50.0	22.8 M	45.6	50.0	25.0 M	50.0	9.2	75-125	<15
Vanadium	46.1	50.0	94.3	96.4	50.0	94.2	96.2	<1	75-125	<15
Zinc	84.2	50.0	126	83.6	50.0	125	81.6	2.4	75-125	<15

QC Batch No: 0717202C9; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/20/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Antimony	50.0	54.0	108	50.0	54.0	108	<1	75-125	<15
Arsenic	50.0	54.2	108	50.0	54.9	110	1.8	75-125	<15
Barium	50.0	53.0	106	50.0	52.4	105	<1	75-125	<15
Beryllium	50.0	54.2	108	50.0	53.0	106	1.9	75-125	<15
Cadmium	50.0	53.5	107	50.0	53.5	107	<1	75-125	<15
Chromium	50.0	53.4	107	50.0	53.3	107	<1	75-125	<15
Cobalt	50.0	53.8	108	50.0	53.5	107	<1	75-125	<15
Copper	50.0	54.5	109	50.0	53.5	107	1.9	75-125	<15



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0717202C9; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/20/2020;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	52.1	104	50.0	52.5	105	<1	75-125	<15	
Mercury (By EPA 7471)	0.500	0.515	103	0.500	0.515	103	<1	75-125	<15	
Molybdenum	50.0	52.7	105	50.0	52.5	105	<1	75-125	<15	
Nickel	50.0	52.5	105	50.0	52.0	104	<1	75-125	<15	
Selenium	50.0	51.9	104	50.0	54.0	108	3.8	75-125	<15	
Silver	50.0	51.3	103	50.0	53.6	107	3.8	75-125	<15	
Thallium	50.0	52.3	105	50.0	52.7	105	<1	75-125	<15	
Vanadium	50.0	53.7	107	50.0	53.0	106	<1	75-125	<15	
Zinc	50.0	55.2	110	50.0	54.6	109	<1	75-125	<15	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071720EB2; Dup or Spiked Sample: 105452.04; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	21.6	108	20.0	24.7	124	13.8	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	68.9	138	50.0	87.7	175	23.6	40-150	<40
Dieldrin	0.00	50.0	55.8	112	50.0	65.1	130	14.9	40-150	<40
Endrin	0.00	50.0	61.1	122	50.0	74.3	149	19.9	40-150	<40
Heptachlor	0.00	20.0	23.2	116	20.0	27.0	135	15.1	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	21.1	106	20.0	24.4	122	14.0	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	30.3	121	25.0	34.3	137	12.4	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	29.4	118	25.0	33.1	132	11.2	30-150	<40

QC Batch No: 071720EB2; Dup or Spiked Sample: 105452.04; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aldrin	20.0	21.3	107	20.0	22.5	113	5.5	50-150	<40
4,4'-DDT (DDT)	50.0	64.2	128	50.0	65.4	131	2.3	50-150	<40
Dieldrin	50.0	54.8	110	50.0	60.1	120	8.7	50-150	<40
Endrin	50.0	57.1	114	50.0	60.3	121	6.0	50-150	<40
Heptachlor	20.0	23.3	117	20.0				50-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	20.6	103	20.0	22.1	111	7.5	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	28.9	116	25.0	32.0	128	9.8	30-150	<40
Tetrachloro-m-xylene	25.0	26.6	106	25.0	27.7	111	4.6	30-150	<40



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071720ZB1; Dup or Spiked Sample: 105452.05; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	500	100	500	490	98.0	2.0	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	380	76.0	500	400	80.0	5.1	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	24.0	96.0	25.0	27.0	108	11.8	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	23.0	92.0	25.0	23.0	92.0	<1	30-150	<40

QC Batch No: 071720ZB1; Dup or Spiked Sample: 105452.05; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aroclor-1016 (PCB-1016)	500	403	80.6	500	391	78.2	3.0	50-150	<40
Aroclor-1260 (PCB-1260)	500	400	80.0	500	373	74.6	7.0	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	19.3	77.2	25.0	19.0	76.0	1.6	30-150	<40
Tetrachloro-m-xylene	25.0	17.6	70.4	25.0	19.6	78.4	10.8	30-150	<40



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	6.32	50.0	28.9 M	45.2	50.0	37.6 M	62.6	32.3	75-125	<20
Chlorobenzene	0.00	50.0	16.3 M	32.6	50.0	24.7 M	49.4	41.0	75-125	<20
1,1-Dichloroethene	0.00	50.0	33.2 M	66.4	50.0	41.3	82.6	21.7	75-125	<20
Toluene (Methyl benzene)	2.36	50.0	22.1 M	39.5	50.0	32.2 M	59.7	40.7	75-125	<20
Trichloroethene	0.00	50.0	23.8 M	47.6	50.0	33.4 M	66.8	33.6	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	38.9	77.8	50.0	43.3	86.6	10.7	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	45.7	91.3	50.0	48.3	96.5	5.5	75-125	<20
Dibromofluoromethane	0.00	50.0	55.0	110	50.0	55.0	110	<1	75-125	<20
Toluene-d8	0.00	50.0	49.1	98.1	50.0	50.5	101	2.9	75-125	<20

QC Batch No: 0717201A1; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Benzene	50.0	55.6	111	50.0	55.9	112	<1	75-125	<20
Chlorobenzene	50.0	53.1	106	50.0	53.6	107	<1	75-125	<20
1,1-Dichloroethene	50.0	57.3	115	50.0	58.8	118	2.6	75-125	<20
Toluene (Methyl benzene)	50.0	52.4	105	50.0	52.5	105	<1	75-125	<20
Trichloroethene	50.0	56.6	113	50.0	57.2	114	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	56.8	114	50.0	58.1	116	1.7	75-125	<20
LCS									
Chloroform (Trichloromethane)	50.0	56.9	114	50.0	57.4	115	<1	75-125	<20
Ethylbenzene	50.0	53.1	106	50.0	53.3	107	<1	75-125	<20
1,1,1-Trichloroethane	50.0	57.1	114	50.0	57.1	114	<1	75-125	<20
o-Xylene	50.0	54.2	108	50.0	54.6	109	<1	75-125	<20
m,p-Xylenes	100	110	110	100	110	110	<1	75-125	<20
Surrogates									
Bromofluorobenzene	50.0	42.4	84.9	50.0	43.3	86.5	1.9	75-125	<20
Dibromofluoromethane	50.0	53.5	107	50.0	55.0	110	2.8	75-125	<20



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	46.9	93.7	50.0	47.3	94.6	<1	75-125	<20	



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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0718201A1; LCS: Clean Sand; LCS Prepared: 07/18/2020; LCS Analyzed: 07/18/2020; Units: ug/Kg

Analytes	LCS	LCS	LCS	LCS DUP	LCS DUP	LCS DUP	LCS RPD	LCS/LCSD	LCS RPD	
	Concen	Recov	% REC	Concen	Recov	% REC	% REC	% Limit	% Limit	
Benzene	50.0	56.5	113	50.0	56.9	114	<1	75-125	<20	
Chlorobenzene	50.0	51.6	103	50.0	52.2	104	<1	75-125	<20	
1,1-Dichloroethene	50.0	58.9	118	50.0	59.3	119	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	51.4	103	50.0	51.9	104	<1	75-125	<20	
Trichloroethene	50.0	56.2	112	50.0	57.4	115	2.6	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	58.8	118	50.0	60.0	120	1.7	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	59.1	118	50.0	59.9	120	1.7	75-125	<20	
Ethylbenzene	50.0	51.2	102	50.0	51.7	103	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	56.6	113	50.0	57.2	114	<1	75-125	<20	
o-Xylene	50.0	52.7	105	50.0	53.8	108	2.8	75-125	<20	
m,p-Xylenes	100	105	105	100	106	106	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	43.0	86.1	50.0	42.8	85.6	<1	75-125	<20	
Dibromofluoromethane	50.0	55.5	111	50.0	55.6	111	<1	75-125	<20	
Toluene-d8	50.0	46.9	93.7	50.0	47.0	94.0	<1	75-125	<20	



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1; Dup or Spiked Sample: 105470.01; LCS: Clean Sand; QC Prepared: 07/20/2020; MS Analyzed: 07/21/2020;
 LCS Analyzed: 07/20/2020; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	44.9	89.8	50.0	40.8	81.6	9.6	75-125	<20
Chlorobenzene	0.00	50.0	43.4	86.8	50.0	40.5	81.0	6.9	75-125	<20
1,1-Dichloroethene	0.00	50.0	44.0	88.0	50.0	38.6	77.2	13.1	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	45.0	90.0	50.0	40.5	81.0	10.5	75-125	<20
Trichloroethene	0.00	50.0	45.1	90.2	50.0	41.1	82.2	9.3	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	38.9	77.8	50.0	40.3	80.6	3.5	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	43.7	87.3	50.0	43.7	87.4	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	51.0	102	50.0	52.0	104	1.9	75-125	<20
Toluene-d8	0.00	50.0	51.0	102	50.0	50.5	101	<1	75-125	<20

QC Batch No: 0720201A1; Dup or Spiked Sample: 105470.01; LCS: Clean Sand; QC Prepared: 07/20/2020; MS Analyzed: 07/21/2020;
 LCS Analyzed: 07/20/2020; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Benzene	50.0	58.3	117	50.0	57.2	114	2.6	75-125	<20
Chlorobenzene	50.0	53.2	106	50.0	51.4	103	2.9	75-125	<20
1,1-Dichloroethene	50.0	59.4	119	50.0	59.8	120	<1	75-125	<20
Toluene (Methyl benzene)	50.0	51.8	104	50.0	50.1	100	3.9	75-125	<20
Trichloroethene	50.0	59.0	118	50.0	57.7	115	2.6	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	59.7	119	50.0	61.7	123	3.3	75-125	<20
LCS									
Chloroform (Trichloromethane)	50.0	61.1	122	50.0	62.3	125	2.4	75-125	<20
Ethylbenzene	50.0	52.8	106	50.0	50.7	101	4.8	75-125	<20
1,1,1-Trichloroethane	50.0	57.5	115	50.0	56.7	113	1.8	75-125	<20
o-Xylene	50.0	54.0	108	50.0	51.9	104	3.8	75-125	<20
m,p-Xylenes	100	109	109	100	105	105	3.7	75-125	<20
Surrogates									
Bromofluorobenzene	50.0	42.0	84.0	50.0	42.1	84.1	<1	75-125	<20
Dibromofluoromethane	50.0	58.1	116	50.0	58.6	117	<1	75-125	<20



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1; Dup or Spiked Sample: 105470.01; LCS: Clean Sand; QC Prepared: 07/20/2020; MS Analyzed: 07/21/2020;
LCS Analyzed: 07/20/2020; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	46.2	92.4	50.0	46.1	92.2	<1	75-125	<20	



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1; Dup or Spiked Sample: 105452.05; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/21/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Acenaphthene	0.00	2.50	1.93	77.2	2.50	1.85	74.0	4.2	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	3.58	71.6	5.00	3.53	70.6	1.4	39-98	<20
2-Chlorophenol	0.00	5.00	3.33	66.6	5.00	3.13	62.6	6.2	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	1.75	70.0	2.50	1.63	65.2	7.1	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	2.00	80.0	2.50	1.96	78.4	2.0	50-140	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	1.75	70.0	2.50	1.70	68.0	2.9	41-116	<20
4-Nitrophenol	0.00	5.00	2.30	46.0	5.00	2.40	48.0	4.3	10-110	<20
Pentachlorophenol	0.00	5.00	3.21	64.2	5.00	3.26	65.2	1.5	40-125	<20
Phenol	0.00	5.00	3.03	60.6	5.00	2.90	58.0	4.4	12-89	<20
Pyrene	0.00	2.50	2.42	96.8	2.50	2.38	95.2	1.7	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	1.96	78.4	2.50	1.86	74.4	5.2	39-98	<20
Surrogates										
2-Fluorophenol	0.00	5.00	2.88	57.6	5.00	2.61	52.2	9.8	25-121	<20
2-Fluorobiphenyl	0.00	2.50	1.96	78.4	2.50	1.84	73.6	6.3	30-115	<20
Nitrobenzene-d5	0.00	2.50	1.58	63.2	2.50	1.51	60.4	4.5	23-120	<20
p-Terphenyl-D14	0.00	2.50	2.28	91.2	2.50	2.27	90.8	<1	18-137	<20
Phenol-d6	0.00	5.00	3.05	61.0	5.00	2.90	58.0	5.0	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	4.18	83.6	5.00	4.06	81.2	2.9	19-122	<20

QC Batch No: 072020KB1; Dup or Spiked Sample: 105452.05; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/21/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Acenaphthene	2.50	1.89	75.6	2.50	1.82	72.8	3.8	31-137	<20
4-Chloro-3-methylphenol	5.00	3.59	71.8	5.00	3.49	69.8	2.8	40-99	<20
2-Chlorophenol	5.00	3.43	68.6	5.00	3.02	60.4	12.7	25-102	<20
1,4-Dichlorobenzene	2.50	1.80	72.0	2.50	1.55	62.0	14.9	28-104	<20
2,4-Dinitrotoluene	2.50	1.94	77.6	2.50	1.94	77.6	<1	50-140	<20
N-Nitroso-Di-n-propylamine	2.50	1.76	70.4	2.50	1.67	66.8	5.2	41-126	<20
4-Nitrophenol	5.00	2.54	50.8	5.00	2.55	51.0	<1	11-114	<20



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1; Dup or Spiked Sample: 105452.05; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/21/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Pentachlorophenol	5.00	3.24	64.8	5.00	3.29	65.8	1.5	17-125	<20	
Phenol	5.00	3.10	62.0	5.00	2.82	56.4	9.5	26-90	<20	
Pyrene	2.50	2.31	92.4	2.50	2.16	86.4	6.7	35-142	<20	
1,2,4-Trichlorobenzene	2.50	2.05	82.0	2.50	1.84	73.6	10.8	38-107	<20	
Surrogates										
2-Fluorophenol	5.00	3.01	60.2	5.00	2.49	49.8	18.9	25-121	<20	
2-Fluorobiphenyl	2.50	1.91	76.4	2.50	1.84	73.6	3.7	30-115	<20	
Nitrobenzene-d5	2.50	1.63	65.2	2.50	1.55	62.0	5.0	23-120	<20	
p-Terphenyl-D14	2.50	2.18	87.2	2.50	2.10	84.0	3.7	18-137	<20	
Phenol-d6	5.00	3.13	62.6	5.00	2.89	57.8	8.0	24-113	<20	
2,4,6-Tribromophenol	5.00	4.15	83.0	5.00	4.13	82.6	<1	19-122	<20	



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071720DB1; Dup or Spiked Sample: 105455.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	495	99.0	500	515	103	4.0	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	90.3	90.3	100	91.0	91.0	<1	75-125	<20

QC Batch No: 071720DB1; Dup or Spiked Sample: 105455.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	500	100	75-125						
Surrogates										
Chlorobenzene	100	89.8	89.8	75-125						



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0717200B2; Dup or Spiked Sample: 105452.01AG; LCS: Clean Sand; QC Prepared: 07/17/2020; MS Analyzed: 07/18/2020;
 LCS Analyzed: 07/17/2020; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.0440	1.00	0.816	77.2	1.00	0.825	78.1	1.2	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0500	100	0.0500	0.0555	111	10.4	75-125	<20

QC Batch No: 0717200B2; Dup or Spiked Sample: 105452.01AG; LCS: Clean Sand; QC Prepared: 07/17/2020; MS Analyzed: 07/18/2020;
 LCS Analyzed: 07/17/2020; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.787	78.7	1.00	0.785	78.5	<1	75-125	<20
Surrogates									
Bromofluorobenzene	0.0500	0.0560	112	0.0500	0.0555	111	<1	75-125	<20



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Data Qualifiers and Descriptors

Data Qualifier:

- #: Recovery is not within acceptable control limits.
- *: In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
- B: Analyte was present in the Method Blank.
- D: Result is from a diluted analysis.
- E: Result is beyond calibration limits and is estimated.
- H: Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
- J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- M: Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
- MCL: Maximum Contaminant Level
- NS: No Standard Available
- S6: Surrogate recovery is outside control limits due to matrix interference.
- S8: The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
- X: Results represent LCS and LCSD data.

Definition:

- %Limi: Percent acceptable limits.
- %REC: Percent recovery.
- Con.L: Acceptable Control Limits
- Conce: Added concentration to the sample.
- LCS: Laboratory Control Sample
- MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference


ADVANCED TECHNOLOGY
LABORATORIES

July 21, 2020

Jim Lin
AETL
2834 North Naomi Street
Burbank, CA 91504
Tel: (818) 845-8200
Fax: (818) 845-8840

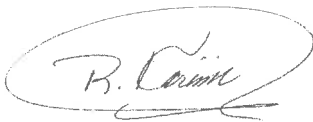
ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2001722
Client Reference : 105452

Enclosed are the results for sample(s) received on July 17, 2020 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Dr. Reza Karimi
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

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www.atlglobal.com



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
105452.01	2001722-01	Soil	7/16/20 8:50	7/17/20 13:32
105452.02	2001722-02	Soil	7/16/20 9:00	7/17/20 13:32
105452.03	2001722-03	Soil	7/16/20 9:10	7/17/20 13:32
105452.04	2001722-04	Soil	7/16/20 9:20	7/17/20 13:32
105452.05	2001722-05	Soil	7/16/20 9:30	7/17/20 13:32
105452.06	2001722-06	Soil	7/16/20 10:40	7/17/20 13:32
105452.07	2001722-07	Soil	7/16/20 10:50	7/17/20 13:32
105452.08	2001722-08	Soil	7/16/20 11:10	7/17/20 13:32
105452.09	2001722-09	Soil	7/16/20 11:20	7/17/20 13:32
105452.10	2001722-10	Soil	7/16/20 11:30	7/17/20 13:32
105452.11	2001722-11	Soil	7/16/20 13:20	7/17/20 13:32
105452.12	2001722-12	Soil	7/16/20 13:30	7/17/20 13:32
105452.13	2001722-13	Soil	7/16/20 13:40	7/17/20 13:32
105452.14	2001722-14	Soil	7/16/20 13:50	7/17/20 13:32
105452.15	2001722-15	Soil	7/16/20 14:00	7/17/20 13:32



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.01

Lab ID: 2001722-01

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 17:55	



Certificate of Analysis

AETL
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Burbank , CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.02

Lab ID: 2001722-02

Percblorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 18:18	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.03

Lab ID: 2001722-03

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 18:41	



Certificate of Analysis

AETL
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Burbank, CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.04

Lab ID: 2001722-04

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 19:04	



Certificate of Analysis

AETL
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Burbank, CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.05

Lab ID: 2001722-05

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 19:27	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.06

Lab ID: 2001722-06

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 19:50	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.07

Lab ID: 2001722-07

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 20:13	



Certificate of Analysis

AETL
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Burbank, CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.08

Lab ID: 2001722-08

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	28	20	1	B0G0306	07/17/2020	07/17/20 20:36	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.09

Lab ID: 2001722-09

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	57	20	1	B0G0306	07/17/2020	07/17/20 20:59	



Certificate of Analysis

AETL
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Burbank , CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.10

Lab ID: 2001722-10

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 21:21	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.11

Lab ID: 2001722-11

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 23:39	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.12

Lab ID: 2001722-12

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/18/20 00:02	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.13

Lab ID: 2001722-13

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/18/20 00:25	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.14

Lab ID: 2001722-14

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	39	20	1	B0G0306	07/17/2020	07/18/20 00:48	



Certificate of Analysis

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Burbank , CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Client Sample ID: 105452.15

Lab ID: 2001722-15

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/18/20 01:10	



Certificate of Analysis

AETL 2834 North Naomi Street Burbank, CA 91504	Project Number : 105452 Report To : Jim Lin Reported : 07/21/2020
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QUALITY CONTROL SECTION

Perchlorate by Ion Chromatography EPA 314 (Modified) - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B0G0306 - Prep_IC2_S										
Blank (B0G0306-BLK1)					Prepared: 7/17/2020 Analyzed: 7/17/2020					
Perchlorate	ND	20	9.2							
LCS (B0G0306-BS1)					Prepared: 7/17/2020 Analyzed: 7/17/2020					
Perchlorate	496.861	20	9.2	500.000		99.4	85 - 115			
Duplicate (B0G0306-DUP1)					Source: 2001722-01 Prepared: 7/17/2020 Analyzed: 7/17/2020					
Perchlorate	ND	20	9.2		ND				15	
Duplicate (B0G0306-DUP2)					Source: 2001722-11 Prepared: 7/17/2020 Analyzed: 7/18/2020					
Perchlorate	ND	20	9.2		ND				15	
Matrix Spike (B0G0306-MS1)					Source: 2001722-01 Prepared: 7/17/2020 Analyzed: 7/17/2020					
Perchlorate	502.238	20	9.2	500.000	ND	100	80 - 120			
Matrix Spike (B0G0306-MS2)					Source: 2001722-11 Prepared: 7/17/2020 Analyzed: 7/18/2020					
Perchlorate	567.366	20	9.2	500.000	ND	113	80 - 120			
Matrix Spike Dup (B0G0306-MSD1)					Source: 2001722-01 Prepared: 7/17/2020 Analyzed: 7/17/2020					
Perchlorate	528.391	20	9.2	500.000	ND	106	80 - 120	5.08	15	
Matrix Spike Dup (B0G0306-MSD2)					Source: 2001722-11 Prepared: 7/17/2020 Analyzed: 7/18/2020					
Perchlorate	559.449	20	9.2	500.000	ND	112	80 - 120	1.41	15	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 07/21/2020

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

CHAIN OF CUSTODY RECORD
 Page 1 of 2
 Instruction: Complete all shaded areas.

2001722

For Laboratory Use Only ATLCOCC Ver: 20200320
 Simple Conditions Upon Receipt

Method of Transport	Condition	Y	N	Y	N
<input checked="" type="checkbox"/> Client <input type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> Other:	<input type="checkbox"/> CHILLED <input type="checkbox"/> HEADSPACE (VOA) <input type="checkbox"/> CONTAINER INTACT <input type="checkbox"/> SEALED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. # OF SAMPLES MATCH COC:
 6. PRESERVED:
 7. COOLER TEMP. deg C:
 8. OTHER:

Company: **ACTL** Address: **2834 N. Naomi St.** State: **CA** Zip: **91504** Tel: **618-845-8200**
 Attn: **Jim** Email: City: **Burbank** Fax: **818-845-8440**
 Company: **2834 N. Naomi St.** State: **CA** Zip: **91504** Email: same as SEND REPORT TO
 Address: **Burbank, CA** State: **CA** Zip: **91504** City: **Burbank**

Lab ID (For Lab Use Only)	Sample ID	Sample Description	Location	Date	Time	Requested Analysis	Sample Matrix	Quantity	Turnaround Time (TAT)	Container	Remarks
1	1722-01	105452.01		7/16/20	0850						
2	-02	105452.02			0900						
3	-03	105452.03			0910						
4	-04	105452.04			0920						
5	-05	105452.05			0930						
6	-06	105452.06			1040						
7	-07	105452.07			1050						
8	-08	105452.08			1110						
9	-09	105452.09			1120						
10	-10	105452.10			1130						

Quote #: **105452** PO #: **506-31866**
 Project Name: **RL**
 Project No.: **105452**
 Sampler: **RL**

Relinquished by: (Signature and Printed Name) **Jim** Date: **7/16/20** Time: **11:20**
 Relinquished by: (Signature and Printed Name) **Jim** Date: **7/16/20** Time: **11:20**
 Relinquished by: (Signature and Printed Name) **Jim** Date: **7/16/20** Time: **11:20**

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.



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CHAIN OF CUSTODY RECORD

Page 20 of 20
 Instruction: Complete all shaded areas.

For Laboratory Use Only ATLOOC Ver: 20200320

Method of Transport: Client, FedEx, GSO, Other: _____

Sample Conditions Upon Receipt:

Condition	Y	N
1. CHILLED	<input type="checkbox"/>	<input type="checkbox"/>
2. HEADSPACE (VOA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. CONTAINER INTACT	<input type="checkbox"/>	<input type="checkbox"/>
4. SEALED	<input type="checkbox"/>	<input type="checkbox"/>

5. # OF SAMPLES MATCH COC:
 6. PRESERVED:
 7. COOLER TEMP. deg C: 5.6

Company: _____ Address: _____ Tel: _____
 City: _____ State: _____ Zip: _____

SEND REPORT TO: _____ Email: _____
 Attn: _____
 Company: _____
 Address: _____ State: _____ Zip: _____

SEND INVOICE TO: _____ Email: _____
 Attn: _____
 Company: _____
 Address: _____ State: _____ Zip: _____

Lab ID (for Lab Use Only)	Sample ID	Sample Description	Location	Date	Time	Quote #:	PO #:
1	1722-11	105452.11		7/14/11	1320		
2	1722-12	105452.12			1330		
3	1722-13	105452.13			1340		
4	1722-14	105452.14			1350		
5	1722-15	105452.15			1400		
6							
7							
8							
9							
10							

Project Name: 105452
 Project No.: 105452
 Sampler: RL

Requested Analysis: _____
 Sample Matrix: _____
 Turnaround Time (TAT): _____

Container: _____
 Quantity: _____
 Remarks: _____

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____
 Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____
 Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Number of Pages 2
Date Received 07/16/2020
Date Reported 07/22/2020

Telephone: (626)458-4923
Attention: Greg Sena

Job Number	Order Date	Client
105452	07/16/2020	LACDPW

Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.
Site: Devil's Gate Reservoir

Enclosed please find results of analyses of 15 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 7 pages

Checked By: _____

Approved By: _____

Joe Sevrean
Laboratory Director



AMERICAN ENVIRONMENTAL TESTING LABORATORY
 2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP # 1541 LACSD# 10181
 TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

CHAIN OF CUSTODY RECORD

119376

Page 1 of 1

AETL JOB No. 105452

COMPANY: LACO Public Works
 PROJECT MANAGER: Gregory Serna Ricardo Lopez
 COMPANY ADDRESS: 900 S. Fremont Ave, Alhambra, CA 91803
 PHONE: 626.458.4923
 EMAIL: 626.488.4913
 PROJECT NAME: Devil's Gate Reservoir Restoration
 PROJECT #: HF0071004
 PO #: _____
 SITE NAME AND ADDRESS: Devil's Gate Reservoir

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
B8-S2-1	105452.01	7-16-20	08:50	soil	4veas / 2.02J	ICE V.
B8-S2-5	105452.02		09:00			
B8-S2-10	105452.03		09:10			
B8-S2-15	105452.04		09:20			
B8-S2-20	105452.05		09:30			
B6-S2-1	105452.06		10:40			
B6-S2-5	105452.07		10:50			
B6-S2-10	105452.08		11:10			
B6-S2-15	105452.09		11:20			
B6-S2-20	105452.10		11:30			
B7-S2-1	105452.11		13:20			
B7-S2-5	105452.12		13:30			
B7-S2-10	105452.13		13:40			
B7-S2-15	105452.14		13:50			
B7-S2-20	105452.15		14:00			
TOTAL NUMBER OF CONTAINERS:				90		

ANALYSIS REQUESTED

Titre 22 Metals	X
OPIS	X
8081A	X
SUCC'S	X
BZDC	X
TPH-g	X
8015*	X
TPH-D/#	X
8015*	X
PCBS	X
8082	X
VOC'S + OX'S	X
8260B	X
Pecidrate	X
314.OM	X
Glyoxstate	X
547M	X

RELINQUISHED BY: 1. Signature: [Signature] Printed Name: R Lopez Date: 7-16-20 Time: 16:30
 2. Signature: [Signature] Printed Name: C. [Name] Date: 7/16/20 Time: 1730
 3. Signature: [Signature] Printed Name: [Name] Date: 7/16/20 Time: 1730

RECEIVED BY: 1. Signature: [Signature] Printed Name: CHARLETON PALMISTO Date: 7/16/20 Time: 1630
 2. Signature: [Signature] Printed Name: [Name] Date: 7/16/20 Time: 1730
 3. Signature: [Signature] Printed Name: [Name] Date: 7/16/20 Time: 1730

BILLING INFORMATION / SPECIAL INSTRUCTIONS

TURN AROUND TIME
 NORMAL SAME DAY RUSH NEXT DAY RUSH
 2 DAYS RUSH 3 DAYS RUSH 4 DAYS RUSH

DATA DELIVERABLE REQUIRED
 HARD COPY
 E-COPY
 GEOTRACKER (GLOBAL ID)
 OTHER (PLEASE SPECIFY)

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



A KYZER LABS COMPANY

AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 N. NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP# 1541 & 2402 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: <i>LACDPW</i>			
Project Name:			
AETL Job Number: <i>105452</i>			
Date Received: <i>7/16/20</i>		Received by: <i>Sargis - P</i>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<i>2</i>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <i>3.2°C</i> , No 2: <i>3.2°C</i> , No 3:			
Type of sample containers: <input checked="" type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input checked="" type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify): <i>Sodium bisulfite</i>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?	<i>N/A</i>		
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	<i>N/A</i>		
11. Are the jars free of headspace?	↓		

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.

Explain all "No" answers for above questions:

Work Orders: 0G17065

Project: 105452

Attn: Jim Lin

Client: American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Report Date: 7/21/2020

Received Date: 7/17/2020

Turnaround Time: 2 workdays

Phones: (818) 845-8200

Fax: (818) 845-8840

P.O. #: Sub-31867

Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 •
NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Jim Lin,

Enclosed are the results of analyses for samples received 7/17/20 with the Chain-of-Custody document. The samples were received in good condition, at 1.9 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:



Regina M. Giancola
Project Manager





WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105452

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/21/2020 17:14

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
105452-01	RL	0G17065-01	Solid	07/16/20 08:50	
105452-02	RL	0G17065-02	Solid	07/16/20 09:00	
105452-03	RL	0G17065-03	Solid	07/16/20 09:20	
105452-04	RL	0G17065-04	Solid	07/16/20 09:30	
105452-05	RL	0G17065-05	Solid	07/16/20 09:40	
105452-06	RL	0G17065-06	Solid	07/16/20 10:50	
105452-07	RL	0G17065-07	Solid	07/16/20 11:10	
105452-08	RL	0G17065-08	Solid	07/16/20 11:20	
105452-09	RL	0G17065-09	Solid	07/16/20 11:20	
105452-10	RL	0G17065-10	Solid	07/16/20 11:30	
105452-11	RL	0G17065-11	Solid	07/16/20 13:20	
105452-12	RL	0G17065-12	Solid	07/16/20 13:30	
105452-13	RL	0G17065-13	Solid	07/16/20 13:40	
105452-14	RL	0G17065-14	Solid	07/16/20 13:50	
105452-15	RL	0G17065-15	Solid	07/16/20 14:00	

Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
<i>EPA 547M in Solid</i> Glyphosate	1071-83-6	✓	



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105452

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/21/2020 17:14

Sample Results

Sample:	105452-01						Sampled: 07/16/20 8:50 by RL
	0G17065-01 (Solid)						
Analyte		Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547							
Method: EPA 547M	Batch ID: W0G0935	Instr: LC10	Prepared: 07/20/20 09:32		Analyst: jna		
Glyphosate		ND	1.0	mg/kg	1	07/20/20	
Sample:	105452-02						Sampled: 07/16/20 9:00 by RL
	0G17065-02 (Solid)						
Analyte		Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547							
Method: EPA 547M	Batch ID: W0G0935	Instr: LC10	Prepared: 07/20/20 09:32		Analyst: jna		
Glyphosate		ND	1.0	mg/kg	1	07/20/20	
Sample:	105452-03						Sampled: 07/16/20 9:20 by RL
	0G17065-03 (Solid)						
Analyte		Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547							
Method: EPA 547M	Batch ID: W0G0935	Instr: LC10	Prepared: 07/20/20 09:32		Analyst: jna		
Glyphosate		ND	1.0	mg/kg	1	07/20/20	
Sample:	105452-04						Sampled: 07/16/20 9:30 by RL
	0G17065-04 (Solid)						
Analyte		Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547							
Method: EPA 547M	Batch ID: W0G0935	Instr: LC10	Prepared: 07/20/20 09:32		Analyst: jna		
Glyphosate		ND	1.0	mg/kg	1	07/20/20	
Sample:	105452-05						Sampled: 07/16/20 9:40 by RL
	0G17065-05 (Solid)						
Analyte		Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547							
Method: EPA 547M	Batch ID: W0G0935	Instr: LC10	Prepared: 07/20/20 09:32		Analyst: jna		
Glyphosate		ND	1.0	mg/kg	1	07/20/20	
Sample:	105452-06						Sampled: 07/16/20 10:50 by RL
	0G17065-06 (Solid)						
Analyte		Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547							
Method: EPA 547M	Batch ID: W0G0935	Instr: LC10	Prepared: 07/20/20 09:32		Analyst: jna		
Glyphosate		ND	1.0	mg/kg	1	07/20/20	



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105452

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/21/2020 17:14

Sample Results

(Continued)

Sample: 105452-07
0G17065-07 (Solid) Sampled: 07/16/20 11:10 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G0935 Instr: LC10 ND	Prepared: 07/20/20 09:32 1.0	mg/kg	1	Analyst: jna 07/20/20	

Sample: 10S452-08
0G17065-08 (Solid) Sampled: 07/16/20 11:20 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G0935 Instr: LC10 ND	Prepared: 07/20/20 09:32 1.0	mg/kg	1	Analyst: jna 07/20/20	

Sample: 10S452-09
0G17065-09 (Solid) Sampled: 07/16/20 11:20 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G0935 Instr: LC10 ND	Prepared: 07/20/20 09:32 1.0	mg/kg	1	Analyst: jna 07/20/20	

Sample: 10S452-10
0G17065-10 (Solid) Sampled: 07/16/20 11:30 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G0935 Instr: LC10 ND	Prepared: 07/20/20 09:32 1.0	mg/kg	1	Analyst: jna 07/20/20	

Sample: 105452-11
0G17065-11 (Solid) Sampled: 07/16/20 13:20 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G0935 Instr: LC10 ND	Prepared: 07/20/20 09:32 1.0	mg/kg	1	Analyst: jna 07/20/20	

Sample: 105452-12
0G17065-12 (Solid) Sampled: 07/16/20 13:30 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G0935 Instr: LC10 ND	Prepared: 07/20/20 09:32 1.0	mg/kg	1	Analyst: jna 07/20/20	



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
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Project Number: 105452

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/21/2020 17:14

Sample Results

(Continued)

Sample: 105452-13
0G17065-13 (Solid) Sampled: 07/16/20 13:40 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G0935 Instr: LC10 ND	Prepared: 07/20/20 09:32 1.0	mg/kg	1	Analyst: jna 07/20/20	

Sample: 105452-14
0G17065-14 (Solid) Sampled: 07/16/20 13:50 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G0935 Instr: LC10 ND	Prepared: 07/20/20 09:32 1.0	mg/kg	1	Analyst: jna 07/20/20	

Sample: 105452-15
0G17065-15 (Solid) Sampled: 07/16/20 14:00 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G0935 Instr: LC10 ND	Prepared: 07/20/20 09:32 1.0	mg/kg	1	Analyst: jna 07/20/20	



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
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Project Number: 105452

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/21/2020 17:14

Quality Control Results

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0G0935 - EPA 547M										
Blank (W0G0935-BLK1)										
Glyphosate	ND	1.0	mg/kg	Prepared & Analyzed: 07/20/20						
LCS (W0G0935-B51)										
Glyphosate	3.76	1.0	mg/kg	5.00	75	50-150				
Matrix Spike (W0G0935-M51)										
Glyphosate	Source: 0G17065-01 1.27	1.0	mg/kg	4.98	ND	26	50-150	MS-01		
Matrix Spike (W0G0935-M52)										
Glyphosate	Source: 0G17065-02 1.82	1.0	mg/kg	4.99	ND	36	50-150	MS-01		
Matrix Spike Dup (W0G0935-MSD1)										
Glyphosate	Source: 0G17065-01 1.41	1.0	mg/kg	4.96	ND	28	50-150	10	30	MS-01
Matrix Spike Dup (W0G0935-M5D2)										
Glyphosate	Source: 0G17065-02 2.56	1.0	mg/kg	4.97	ND	52	50-150	34	30	R-02



WECK LABORATORIES, INC.

American Environmental Testing Lab
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Burbank, CA 91504

Project Number: 105452

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/21/2020 17:14

Notes and Definitions

Item	Definition
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
R-02	The RPD was outside of QC acceptance limits due to possible matrix interference.
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
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Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Number of Pages 76
Date Received 07/16/2020
Date Reported 07/21/2020

Telephone: (626)458-4923
Attention: Greg Sena

Job Number	Order Date	Client
105452	07/16/2020	LACDPW

Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.
Site: Devil's Gate Reservoir

Enclosed please find results of analyses of 15 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 22 pages

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Vice President



A KYZER LABS COMPANY

AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 N. NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP# 1541 & 2402 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: <i>LACDPW</i>			
Project Name:			
AETL Job Number: <i>105452</i>			
Date Received: <i>7/16/20</i>		Received by: <i>Sargis - P</i>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<i>2</i>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <i>3.2°C</i> , No 2: <i>3.2°C</i> , No 3:			
Type of sample containers: <input checked="" type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify):			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input checked="" type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify): <i>Sodium bisulfite</i>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	✓		
2. Are the Sample labels legible?	✓		
3. Do samples match the COC?	✓		
4. Are the required analyses clear?	✓		
5. Is there enough samples for required analysis?	✓		
6. Are samples sealed with evidence tape?	<i>N/A</i>		
7. Are sample containers in good condition?	✓		
8. Are samples preserved?	✓		
9. Are samples preserved properly for the intended analysis?	✓		
10. Are the VOAs free of headspace?	<i>N/A</i>		
11. Are the jars free of headspace?	✓		

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.

Explain all "No" answers for above questions:



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Page: 1 A

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Project ID: HF00710004
Date Received 07/16/2020
Date Reported 07/21/2020

Telephone: (626) 458-4923

Attention: Greg Sena

Job Number	Order Date	Client
105452	07/16/2020	LACDPW

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 15 samples with the following specification on 07/16/2020.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
105452.01	B8-S2-1	07/16/2020	Soil	5
105452.02	B8-S2-5	07/16/2020	Soil	5
105452.03	B8-S2-10	07/16/2020	Soil	5
105452.04	B8-S2-15	07/16/2020	Soil	5
105452.05	B8-S2-20	07/16/2020	Soil	5
105452.06	B6-S2-1	07/16/2020	Soil	5
105452.07	B6-S2-5	07/16/2020	Soil	5
105452.08	B6-S2-10	07/16/2020	Soil	5
105452.09	B6-S2-15	07/16/2020	Soil	5
105452.10	B6-S2-20	07/16/2020	Soil	5
105452.11	B7-S2-1	07/16/2020	Soil	5
105452.12	B7-S2-5	07/16/2020	Soil	5
105452.13	B7-S2-10	07/16/2020	Soil	5
105452.14	B7-S2-15	07/16/2020	Soil	5
105452.15	B7-S2-20	07/16/2020	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(314.0)	07/20/2020	4	Rush	ug/Kg
(6010B/7000CAM)	07/20/2020	4	Rush	mg/Kg
(8081A)	07/20/2020	4	Rush	ug/Kg
(8082)	07/20/2020	4	Rush	ug/Kg
(8260B) ^ +OXY5035	07/20/2020	4	Rush	ug/Kg
(8270C)	07/20/2020	4	Rush	mg/Kg
(M8015D) ^ C13-C40	07/20/2020	4	Rush	mg/Kg
(M8015G)	07/20/2020	4	Rush	mg/Kg

Continued



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Page: 1 B

Ordered By

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Alhambra, CA 91803-

Project ID: HF00710004
Date Received 07/16/2020
Date Reported 07/21/2020

Telephone: (626) 458-4923

Attention: Greg Sena

Job Number	Order Date	Client
105452	07/16/2020	LACDPW

CERTIFICATE OF ANALYSIS CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By:  _____

Approved By:  _____

Joe Sevrean
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
GMED
900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 2

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0306

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		314.0	314.0	314.0	314.0	314.0	
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Perchlorate	20.0	20.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
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900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 3

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0306

Our Lab I.D.		105452.05	105452.06	105452.07		
Client Sample I.D.		B8-S2-20	B6-S2-1	B6-S2-5		
Date Sampled		07/16/2020	07/16/2020	07/16/2020		
Date Prepared		07/17/2020	07/17/2020	07/17/2020		
Preparation Method		314.0	314.0	314.0		
Date Analyzed		07/17/2020	07/17/2020	07/17/2020		
Matrix		Soil	Soil	Soil		
Units		ug/Kg	ug/Kg	ug/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Perchlorate	20.0	20.0	ND	ND	ND	



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ANALYTICAL RESULTS

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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 4

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0H0034

Our Lab I.D.		Method Blank	105452.08	105452.09		
Client Sample I.D.			B6-S2-10	B6-S2-15		
Date Sampled			07/16/2020	07/16/2020		
Date Prepared		08/03/2020	08/03/2020	07/17/2020		
Preparation Method		314.0	314.0	314.0		
Date Analyzed		08/03/2020	08/03/2020	07/17/2020		
Matrix		Soil	Soil	Soil		
Units		ug/Kg	ug/Kg	ug/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Perchlorate	20.0	20.0	ND	ND	ND	



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ANALYTICAL RESULTS

Ordered By

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900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 5

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0306

Our Lab I.D.		105452.10	105452.11	105452.12	105452.13	
Client Sample I.D.		B6-S2-20	B7-S2-1	B7-S2-5	B7-S2-10	
Date Sampled		07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		314.0	314.0	314.0	314.0	
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix		Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Perchlorate	20.0	20.0	ND	ND	ND	ND



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ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
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900 S. Fremont Ave, 4th Floor
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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0H0034

Our Lab I.D.			105452.14				
Client Sample I.D.			B7-S2-15				
Date Sampled			07/16/2020				
Date Prepared			07/17/2020				
Preparation Method			314.0				
Date Analyzed			07/17/2020				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	MDL	PQL	Results				
Perchlorate	20.0	20.0	ND				



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0306

Our Lab I.D.		105452.15				
Client Sample I.D.		B7-S2-20				
Date Sampled		07/16/2020				
Date Prepared		07/17/2020				
Preparation Method		314.0				
Date Analyzed		07/17/2020				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Perchlorate	20.0	20.0	ND			



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0717202C9

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		3050B	3050B	3050B	3050B	3050B	
Date Analyzed		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	2.80J	1.17J	1.73J	5.62
Barium	2.5	5.0	ND	103	41.2	40.4	74.9
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	ND	ND	1.38J	ND	ND
Chromium	2.5	5.0	ND	18.1	5.45	8.29	11.9
Cobalt	2.5	5.0	ND	11.5	4.66J	5.05	9.15
Copper	2.5	5.0	ND	19.7	5.72	6.94	24.4
Lead	2.5	5.0	ND	18.3	2.90J	4.68J	11.6
Mercury (By EPA 7471)	0.1	0.2	ND	0.214	0.222	0.138J	0.356
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	10.9	3.06J	3.49J	7.39
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	46.1	25.4	38.9	43.2
Zinc	2.5	5.0	ND	84.2	25.7	34.7	68.4



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0717202C9

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	1.12J	3.01J	2.87J	3.76J	3.27J
Barium	2.5	5.0	46.0	108	85.2	111	103
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	8.71	20.1	10.8	19.9	18.9
Cobalt	2.5	5.0	4.89J	11.6	8.14	12.8	12.1
Copper	2.5	5.0	6.10	23.6	15.1	26.6	16.0
Lead	2.5	5.0	ND	15.3	6.65	7.74	5.14
Mercury (By EPA 7471)	0.1	0.2	0.155J	0.233	0.161J	0.232	0.189J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	4.72J	11.9	5.94	11.7	10.2
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	28.3	47.6	38.7	54.9	51.5
Zinc	2.5	5.0	25.6	80.2	54.4	81.1	74.8



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0717202C9

Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	3.75J	3.23J	3.38J	3.09J	3.84J
Barium	2.5	5.0	83.9	115	79.2	80.7	84.2
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	12.2	22.0	12.6	13.9	22.9
Cobalt	2.5	5.0	10.9	12.6	9.14	8.34	10.5
Copper	2.5	5.0	15.4	20.2	15.4	65.2	19.1
Lead	2.5	5.0	5.76	16.1	12.9	13.1	10.3
Mercury (By EPA 7471)	0.1	0.2	0.170J	0.653	0.224	0.153J	0.270
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	7.31	12.0	7.14	7.40	9.12
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	45.5	51.7	41.3	37.9	41.4
Zinc	2.5	5.0	66.4	91.8	63.1	94.2	68.0



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Telephone: (626)458-4923

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0717202C9

Our Lab I.D.	105452.15		
Client Sample I.D.	B7-S2-20		
Date Sampled	07/16/2020		
Date Prepared	07/17/2020		
Preparation Method	3050B		
Date Analyzed	07/20/2020		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Antimony	1.0	5.0	ND
Arsenic	1.0	5.0	1.72J
Barium	2.5	5.0	46.0
Beryllium	1.0	2.5	ND
Cadmium	1.0	2.5	ND
Chromium	2.5	5.0	7.96
Cobalt	2.5	5.0	6.15
Copper	2.5	5.0	9.91
Lead	2.5	5.0	2.91J
Mercury (By EPA 7471)	0.1	0.2	0.219
Molybdenum	2.0	5.0	ND
Nickel	2.5	5.0	4.21J
Selenium	1.0	5.0	ND
Silver	2.0	5.0	ND
Thallium	0.7	5.0	ND
Vanadium	2.5	5.0	29.7
Zinc	2.5	5.0	34.5



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071720EB2

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	80.0	170.0	ND	ND	ND	ND	ND



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	117	95.6	110	108	124
Tetrachloro-m-xylene	30-150	102	87.6	108	106	121



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071720EB2

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	80.0	170.0	ND	ND	ND	ND	ND



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		105452.05	105452.06	105452.07	105452.08	105452.09
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	104	98.4	102	118	116
Tetrachloro-m-xylene	30-150	109	94.0	105	119	118



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071720EB2

Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	4.64	3.19	ND
Chlordane (alpha)	1.0	2.0	ND	ND	3.07	1.71J	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	3.69	1.02J	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	1.57J	1.48J	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	80.0	170.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		105452.10	105452.11	105452.12	105452.13	105452.14
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	116	105	99.6	99.6	110
Tetrachloro-m-xylene	30-150	122	115	108	107	116



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071720EB2

Our Lab I.D.	105452.15		
Client Sample I.D.	B7-S2-20		
Date Sampled	07/16/2020		
Date Prepared	07/17/2020		
Preparation Method	3550B		
Date Analyzed	07/17/2020		
Matrix	Soil		
Units	ug/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Aldrin	1.0	2.0	ND
Chlordane (Total)	1.0	2.0	ND
Chlordane (alpha)	1.0	2.0	ND
4,4'-DDD (DDD)	1.0	2.0	ND
4,4'-DDE (DDE)	1.0	2.0	ND
4,4'-DDT (DDT)	1.0	2.0	ND
Dieldrin	1.0	2.0	ND
Endosulfan 1	1.0	2.0	ND
Endosulfan 11	1.0	2.0	ND
Endosulfan sulfate	1.0	2.0	ND
Endrin	1.0	2.0	ND
Endrin aldehyde	1.0	2.0	ND
Endrin ketone	1.0	2.0	ND
Chlordane (gamma)	1.0	2.0	ND
Heptachlor	1.0	2.0	ND
Heptachlor epoxide	1.0	2.0	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND
Methoxychlor	5.0	10.0	ND
Toxaphene	80.0	170.0	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		105452.15				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	104				
Tetrachloro-m-xylene	30-150	108				



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071720ZB1

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150	108	70.4	80.0	74.4	71.6	
Tetrachloro-m-xylene	30-150	108	110	107	110	116	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071720ZB1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		80.8	71.6	90.0	72.0	88.0
Tetrachloro-m-xylene	30-150		111	105	117	110	92.4



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071720ZB1

Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/17/2020	07/18/2020	07/18/2020	07/18/2020	07/18/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		80.4	68.8	74.8	90.4	71.6
Tetrachloro-m-xylene	30-150		119	105	107	117	96.0



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071720ZB1

Our Lab I.D.			105452.15			
Client Sample I.D.			B7-S2-20			
Date Sampled			07/16/2020			
Date Prepared			07/17/2020			
Preparation Method			3550B			
Date Analyzed			07/18/2020			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Aroclor-1016 (PCB-1016)	20.0	50.0	ND			
Aroclor-1221 (PCB-1221)	20.0	50.0	ND			
Aroclor-1232 (PCB-1232)	20.0	50.0	ND			
Aroclor-1242 (PCB-1242)	20.0	50.0	ND			
Aroclor-1248 (PCB-1248)	20.0	50.0	ND			
Aroclor-1254 (PCB-1254)	20.0	50.0	ND			
Aroclor-1260 (PCB-1260)	20.0	50.0	ND			
Aroclor-1262 (PCB-1262)	20.0	50.0	ND			
Aroclor-1268 (PCB-1268)	20.0	50.0	ND			
Our Lab I.D.			105452.15			
Surrogates	%Rec.Limit		% Rec.			
Decachlorobiphenyl	30-150		70.4			
Tetrachloro-m-xylene	30-150		115			



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			Method Blank	105452.01	105452.02	105452.03	105452.04
Client Sample I.D.				B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	6.32J	ND	ND	3.22J
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			Method Blank	105452.01	105452.02	105452.03	105452.04
Client Sample I.D.				B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	2.36J	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/17/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	86.0	91.0	85.3	86.0	85.4	
Dibromofluoromethane	75-125	110	112	111	113	111	
Toluene-d8	75-125	96.4	99.1	95.2	95.6	95.1	



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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	10.8	1.44J	1.38J	2.89J
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	9.44J	2.21J	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		85.9	89.3	86.8	86.8	86.2
Dibromofluoromethane	75-125		112	112	112	112	112
Toluene-d8	75-125		95.4	96.3	95.3	95.9	95.4



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.	105452.10		
Client Sample I.D.	B6-S2-20		
Date Sampled	07/16/2020		
Date Prepared	07/16/2020		
Preparation Method	5035A		
Date Analyzed	07/17/2020		
Matrix	Soil		
Units	ug/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Acetone	25	50	ND
Benzene	1.0	10.0	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND
Bromochloromethane	5.0	10.0	ND
Bromodichloromethane	5.0	10.0	ND
Bromoform (Tribromomethane)	25	50	ND
Bromomethane (Methyl bromide)	15	30	ND
2-Butanone (MEK)	25	50	ND
n-Butylbenzene	5.0	10.0	ND
sec-Butylbenzene	5.0	10.0	ND
tert-Butylbenzene	5.0	10.0	ND
Carbon Disulfide	25	50	ND
Carbon tetrachloride	5.0	10.0	ND
Chlorobenzene	5.0	10.0	ND
Chloroethane	15	30	ND
2-Chloroethyl vinyl ether	50	50	ND
Chloroform (Trichloromethane)	5.0	10.0	ND
Chloromethane (Methyl chloride)	15	30	ND
2-Chlorotoluene	5.0	10.0	ND
4-Chlorotoluene	5.0	10.0	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND
Dibromochloromethane	5.0	10.0	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND
Dibromomethane	5.0	10.0	ND
1,2-Dichlorobenzene	5.0	10.0	ND
1,3-Dichlorobenzene	5.0	10.0	ND
1,4-Dichlorobenzene	5.0	10.0	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			105452.10			
Client Sample I.D.			B6-S2-20			
Date Sampled			07/16/2020			
Date Prepared			07/16/2020			
Preparation Method			5035A			
Date Analyzed			07/17/2020			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1

Our Lab I.D.			105452.10			
Client Sample I.D.			B6-S2-20			
Date Sampled			07/16/2020			
Date Prepared			07/16/2020			
Preparation Method			5035A			
Date Analyzed			07/17/2020			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
Our Lab I.D.			105452.10			
Surrogates	%Rec.Limit		% Rec.			
Bromofluorobenzene	75-125		86.5			
Dibromofluoromethane	75-125		113			
Toluene-d8	75-125		94.6			



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0718201A1

Our Lab I.D.			Method Blank	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.				B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/18/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/18/2020	07/18/2020	07/18/2020	07/18/2020	07/18/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	4.86J	3.88J	ND	2.71J
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0718201A1

Our Lab I.D.			Method Blank	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.				B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/18/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/18/2020	07/18/2020	07/18/2020	07/18/2020	07/18/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	1.64J	1.76J	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0718201A1

Our Lab I.D.		Method Blank	105452.11	105452.12	105452.13	105452.14	
Client Sample I.D.			B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/18/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		07/18/2020	07/18/2020	07/18/2020	07/18/2020	07/18/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105452.11	105452.12	105452.13	105452.14	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	85.0	87.1	86.4	86.6	85.8	
Dibromofluoromethane	75-125	109	111	111	111	112	
Toluene-d8	75-125	95.3	95.5	96.1	94.4	95.2	



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 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1

Our Lab I.D.	Method Blank	105452.15			
Client Sample I.D.		B7-S2-20			
Date Sampled		07/16/2020			
Date Prepared	07/20/2020	07/16/2020			
Preparation Method	5030	5035A			
Date Analyzed	07/20/2020	07/20/2020			
Matrix	Soil	Soil			
Units	ug/Kg	ug/Kg			
Dilution Factor	1	1			
Analytes	MDL	PQL	Results	Results	
Acetone	25	50	ND	ND	
Benzene	1.0	10.0	ND	2.46J	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	
Carbon Disulfide	25	50	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	
Chloroethane	15	30	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1

Our Lab I.D.		Method Blank	105452.15			
Client Sample I.D.			B7-S2-20			
Date Sampled			07/16/2020			
Date Prepared		07/20/2020	07/16/2020			
Preparation Method		5030	5035A			
Date Analyzed		07/20/2020	07/20/2020			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Dichlorodifluoromethane	15	30	ND	ND		
1,1-Dichloroethane	5.0	10.0	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND		
Hexachlorobutadiene	15	30	ND	ND		
2-Hexanone	25	50	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND		
Naphthalene	5.0	10.0	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND		
Styrene	5.0	10.0	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND		
Trichloroethene	1.5	10.0	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND		



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1

Our Lab I.D.			Method Blank	105452.15			
Client Sample I.D.				B7-S2-20			
Date Sampled				07/16/2020			
Date Prepared			07/20/2020	07/16/2020			
Preparation Method			5030	5035A			
Date Analyzed			07/20/2020	07/20/2020			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
tert-Butyl alcohol (TBA)	20	500	ND	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND			
Ethyl alcohol (Ethanol)	100	500	ND	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND			
Our Lab I.D.			Method Blank	105452.15			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		82.9	85.0			
Dibromofluoromethane	75-125		114	117			
Toluene-d8	75-125		94.0	94.0			



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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			Method Blank	105452.01	105452.02	105452.03	105452.04
Client Sample I.D.				B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			Method Blank	105452.01	105452.02	105452.03	105452.04
Client Sample I.D.				B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
Pyridine	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
2-Fluorophenol	25-121	76.8	6.7 S6	53.2	56.8	40.2	
2-Fluorobiphenyl	30-115	84.8	46.4	77.2	74.0	46.0	
Nitrobenzene-d5	23-120	74.8	35.9	66.0	60.4	36.3	
Phenol-d6	21-113	77.2	13.8 S6	61.4	62.6	37.0	
p-Terphenyl-D14	18-137	108	59.6	98.0	102	62.0	
2,4,6-Tribromophenol	19-122	93.2	37.4	67.8	74.8	47.4	



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Ordered By

Site

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GMED
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Alhambra, CA 91803-

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
Pyridine	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
2-Fluorophenol	25-121		64.6	21.6	40.6	45.2	38.0
2-Fluorobiphenyl	30-115		69.6	40.8	64.8	53.2	49.6
Nitrobenzene-d5	23-120		56.0	28.9	51.2	42.4	38.4
Phenol-d6	21-113		61.4	23.2	46.2	44.6	37.0
p-Terphenyl-D14	18-137		102	52.4	82.4	66.0	56.8
2,4,6-Tribromophenol	19-122		79.0	32.2	56.2	55.8	50.6



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.10	105452.11	105452.12		
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5		
Date Sampled			07/16/2020	07/16/2020	07/16/2020		
Date Prepared			07/20/2020	07/20/2020	07/20/2020		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			07/21/2020	07/21/2020	07/21/2020		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Acenaphthene	0.25	0.50	ND	ND	ND		
Acenaphthylene	0.25	0.50	ND	ND	ND		
Anthracene	0.25	0.50	ND	ND	ND		
Azobenzene	0.25	0.50	ND	ND	ND		
Benzidine	0.25	0.50	ND	ND	ND		
Benzo(a)anthracene	0.25	0.50	ND	ND	ND		
Benzo(a)pyrene	0.25	0.50	ND	ND	ND		
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND		
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND		
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND		
Benzoic Acid	0.25	0.50	ND	ND	ND		
Benzyl Alcohol	0.25	0.50	ND	ND	ND		
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND		
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND		
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND		
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND		
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND		
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND		
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND		
4-Chloroaniline	0.25	0.50	ND	ND	ND		
2-Chloronaphthalene	0.25	0.50	ND	ND	ND		
2-Chlorophenol	0.25	0.50	ND	ND	ND		
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND		
Chrysene	0.25	0.50	ND	ND	ND		
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND	ND		
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND		



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.10	105452.11	105452.12		
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5		
Date Sampled			07/16/2020	07/16/2020	07/16/2020		
Date Prepared			07/20/2020	07/20/2020	07/20/2020		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			07/21/2020	07/21/2020	07/21/2020		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Dibenzofuran	0.25	0.50	ND	ND	ND		
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND		
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND		
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND		
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND		
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND		
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND		
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND		
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND		
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND		
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND		
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND		
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND		
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND		
Fluoranthene	0.25	0.50	ND	ND	ND		
Fluorene	0.25	0.50	ND	ND	ND		
Hexachlorobenzene	0.25	0.50	ND	ND	ND		
Hexachlorobutadiene	0.25	0.50	ND	ND	ND		
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND		
Hexachloroethane	0.25	0.50	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND		
Isophorone	0.25	0.50	ND	ND	ND		
2-Methylnaphthalene	0.25	0.50	ND	ND	ND		
4-Methylphenol	0.25	0.50	ND	ND	ND		
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND		
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND		
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND		
Naphthalene	0.25	0.50	ND	ND	ND		
2-Nitroaniline	0.25	0.50	ND	ND	ND		
3-Nitroaniline	0.25	0.50	ND	ND	ND		
4-Nitroaniline	0.25	0.50	ND	ND	ND		
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND		
4-Nitrophenol	0.25	0.50	ND	ND	ND		
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND		



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.10	105452.11	105452.12		
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5		
Date Sampled			07/16/2020	07/16/2020	07/16/2020		
Date Prepared			07/20/2020	07/20/2020	07/20/2020		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			07/21/2020	07/21/2020	07/21/2020		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND		
Pentachlorophenol	0.25	0.50	ND	ND	ND		
Phenanthrene	0.25	0.50	ND	ND	ND		
Phenol	0.25	0.50	ND	ND	ND		
Pyrene	0.25	0.50	ND	ND	ND		
Pyridine	0.25	0.50	ND	ND	ND		
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND		
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND		
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND		
Our Lab I.D.			105452.10	105452.11	105452.12		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
2-Fluorophenol	25-121		47.8	38.2	41.2		
2-Fluorobiphenyl	30-115		57.2	50.0	51.6		
Nitrobenzene-d5	23-120		45.2	40.8	40.8		
Phenol-d6	21-113		46.6	39.4	39.8		
p-Terphenyl-D14	18-137		69.2	56.4	60.4		
2,4,6-Tribromophenol	19-122		59.4	45.0	7.2 S6		



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 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.13			
Client Sample I.D.			B7-S2-10			
Date Sampled			07/16/2020			
Date Prepared			07/20/2020			
Preparation Method			3550B			
Date Analyzed			07/21/2020			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			2			
Analytes	MDL	PQL	Results			
Acenaphthene	0.50	1.00	ND			
Acenaphthylene	0.50	1.00	ND			
Anthracene	0.50	1.00	ND			
Azobenzene	0.50	1.00	ND			
Benzidine	0.50	1.00	ND			
Benzo(a)anthracene	0.50	1.00	ND			
Benzo(a)pyrene	0.50	1.00	ND			
Benzo(b)fluoranthene	0.50	1.00	ND			
Benzo(g,h,i)perylene	0.50	1.00	ND			
Benzo(k)fluoranthene	0.50	1.00	ND			
Benzoic Acid	0.50	1.00	ND			
Benzyl Alcohol	0.50	1.00	ND			
Bis(2-Chloroethoxy)methane	0.50	1.00	ND			
Bis(2-Chloroethyl)ether	0.50	1.00	ND			
Bis(2-chloroisopropyl) ether	0.50	1.00	ND			
Bis(2-ethylhexyl) phthalate	0.50	1.00	ND			
4-Bromophenyl phenyl ether	0.50	1.00	ND			
Butyl benzyl phthalate	0.50	1.00	ND			
4-Chloro-3-methylphenol	0.50	1.00	ND			
4-Chloroaniline	0.50	1.00	ND			
2-Chloronaphthalene	0.50	1.00	ND			
2-Chlorophenol	0.50	1.00	ND			
4-Chlorophenyl phenyl ether	0.50	1.00	ND			
Chrysene	0.50	1.00	ND			
Di-n-butyl phthalate	0.50	1.00	ND			
Di-n-octyl phthalate (Dioctyl ester)	0.50	1.00	ND			
Dibenzo(a,h)anthracene	0.50	1.00	ND			



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.13			
Client Sample I.D.			B7-S2-10			
Date Sampled			07/16/2020			
Date Prepared			07/20/2020			
Preparation Method			3550B			
Date Analyzed			07/21/2020			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			2			
Analytes	MDL	PQL	Results			
Dibenzofuran	0.50	1.00	ND			
1,2-Dichlorobenzene	0.50	1.00	ND			
1,3-Dichlorobenzene	0.50	1.00	ND			
1,4-Dichlorobenzene	0.50	1.00	ND			
3,3'-Dichlorobenzidine	0.50	1.00	ND			
2,4-Dichlorophenol	0.50	1.00	ND			
2,6-Dichlorophenol	0.50	1.00	ND			
Diethyl phthalate (Diethyl ester)	0.50	1.00	ND			
Dimethyl phthalate (Dimethyl ester)	0.50	1.00	ND			
2,4-Dimethylphenol	0.50	1.00	ND			
4,6-Dinitro-2-methylphenol	0.50	1.00	ND			
2,4-Dinitrophenol	0.50	1.00	ND			
2,4-Dinitrotoluene	0.50	1.00	ND			
2,6-Dinitrotoluene (2,6-DNT)	0.50	1.00	ND			
Fluoranthene	0.50	1.00	ND			
Fluorene	0.50	1.00	ND			
Hexachlorobenzene	0.50	1.00	ND			
Hexachlorobutadiene	0.50	1.00	ND			
Hexachlorocyclopentadiene	0.50	1.00	ND			
Hexachloroethane	0.50	1.00	ND			
Indeno(1,2,3-cd)pyrene	0.50	1.00	ND			
Isophorone	0.50	1.00	ND			
2-Methylnaphthalene	0.50	1.00	ND			
4-Methylphenol	0.50	1.00	ND			
2-Methylphenol (2-Cresol)	0.50	1.00	ND			
3-Methylphenol (3-Cresol)	0.50	1.00	ND			
N-Nitroso-Di-n-propylamine	0.50	1.00	ND			
Naphthalene	0.50	1.00	ND			
2-Nitroaniline	0.50	1.00	ND			
3-Nitroaniline	0.50	1.00	ND			
4-Nitroaniline	0.50	1.00	ND			
Nitrobenzene (NB)	0.50	1.00	ND			
4-Nitrophenol	0.50	1.00	ND			
2-Nitrophenol (o-Nitrophenol)	0.50	1.00	ND			



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.	105452.13		
Client Sample I.D.	B7-S2-10		
Date Sampled	07/16/2020		
Date Prepared	07/20/2020		
Preparation Method	3550B		
Date Analyzed	07/21/2020		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	2		
Analytes	MDL	PQL	Results
N-nitrosodiphenylamine	0.50	1.00	ND
Pentachlorophenol	0.50	1.00	ND
Phenanthrene	0.50	1.00	ND
Phenol	0.50	1.00	ND
Pyrene	0.50	1.00	ND
Pyridine	0.50	1.00	ND
1,2,4-Trichlorobenzene	0.50	1.00	ND
2,4,5-Trichlorophenol	0.50	1.00	ND
2,4,6-Trichlorophenol	0.50	1.00	ND

Comment(s):

105452.13: Analyzed under dilution due to matrix interference

Our Lab I.D.	105452.13		
Surrogates	%Rec.Limit	% Rec.	
2-Fluorophenol	25-121	66.6	
2-Fluorobiphenyl	30-115	80.0	
Nitrobenzene-d5	23-120	64.8	
Phenol-d6	21-113	64.8	
p-Terphenyl-D14	18-137	91.2	
2,4,6-Tribromophenol	19-122	75.0	



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.14	105452.15		
Client Sample I.D.			B7-S2-15	B7-S2-20		
Date Sampled			07/16/2020	07/16/2020		
Date Prepared			07/20/2020	07/20/2020		
Preparation Method			3550B	3550B		
Date Analyzed			07/21/2020	07/21/2020		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Acenaphthene	0.25	0.50	ND	ND		
Acenaphthylene	0.25	0.50	ND	ND		
Anthracene	0.25	0.50	ND	ND		
Azobenzene	0.25	0.50	ND	ND		
Benzidine	0.25	0.50	ND	ND		
Benzo(a)anthracene	0.25	0.50	ND	ND		
Benzo(a)pyrene	0.25	0.50	ND	ND		
Benzo(b)fluoranthene	0.25	0.50	ND	ND		
Benzo(g,h,i)perylene	0.25	0.50	ND	ND		
Benzo(k)fluoranthene	0.25	0.50	ND	ND		
Benzoic Acid	0.25	0.50	ND	ND		
Benzyl Alcohol	0.25	0.50	ND	ND		
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND		
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND		
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND		
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND		
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND		
Butyl benzyl phthalate	0.25	0.50	ND	ND		
4-Chloro-3-methylphenol	0.25	0.50	ND	ND		
4-Chloroaniline	0.25	0.50	ND	ND		
2-Chloronaphthalene	0.25	0.50	ND	ND		
2-Chlorophenol	0.25	0.50	ND	ND		
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND		
Chrysene	0.25	0.50	ND	ND		
Di-n-butyl phthalate	0.25	0.50	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND		
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND		



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.14	105452.15			
Client Sample I.D.			B7-S2-15	B7-S2-20			
Date Sampled			07/16/2020	07/16/2020			
Date Prepared			07/20/2020	07/20/2020			
Preparation Method			3550B	3550B			
Date Analyzed			07/21/2020	07/21/2020			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dibenzofuran	0.25	0.50	ND	ND			
1,2-Dichlorobenzene	0.25	0.50	ND	ND			
1,3-Dichlorobenzene	0.25	0.50	ND	ND			
1,4-Dichlorobenzene	0.25	0.50	ND	ND			
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND			
2,4-Dichlorophenol	0.25	0.50	ND	ND			
2,6-Dichlorophenol	0.25	0.50	ND	ND			
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND			
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND			
2,4-Dimethylphenol	0.25	0.50	ND	ND			
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND			
2,4-Dinitrophenol	0.25	0.50	ND	ND			
2,4-Dinitrotoluene	0.25	0.50	ND	ND			
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND			
Fluoranthene	0.25	0.50	ND	ND			
Fluorene	0.25	0.50	ND	ND			
Hexachlorobenzene	0.25	0.50	ND	ND			
Hexachlorobutadiene	0.25	0.50	ND	ND			
Hexachlorocyclopentadiene	0.25	0.50	ND	ND			
Hexachloroethane	0.25	0.50	ND	ND			
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND			
Isophorone	0.25	0.50	ND	ND			
2-Methylnaphthalene	0.25	0.50	ND	ND			
4-Methylphenol	0.25	0.50	ND	ND			
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND			
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND			
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND			
Naphthalene	0.25	0.50	ND	ND			
2-Nitroaniline	0.25	0.50	ND	ND			
3-Nitroaniline	0.25	0.50	ND	ND			
4-Nitroaniline	0.25	0.50	ND	ND			
Nitrobenzene (NB)	0.25	0.50	ND	ND			
4-Nitrophenol	0.25	0.50	ND	ND			
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND			



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1

Our Lab I.D.			105452.14	105452.15			
Client Sample I.D.			B7-S2-15	B7-S2-20			
Date Sampled			07/16/2020	07/16/2020			
Date Prepared			07/20/2020	07/20/2020			
Preparation Method			3550B	3550B			
Date Analyzed			07/21/2020	07/21/2020			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
N-nitrosodiphenylamine	0.25	0.50	ND	ND			
Pentachlorophenol	0.25	0.50	ND	ND			
Phenanthrene	0.25	0.50	ND	ND			
Phenol	0.25	0.50	ND	ND			
Pyrene	0.25	0.50	ND	ND			
Pyridine	0.25	0.50	ND	ND			
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND			
2,4,5-Trichlorophenol	0.25	0.50	ND	ND			
2,4,6-Trichlorophenol	0.25	0.50	ND	ND			
Our Lab I.D.			105452.14	105452.15			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
2-Fluorophenol	25-121		36.0	59.0			
2-Fluorobiphenyl	30-115		46.8	65.2			
Nitrobenzene-d5	23-120		36.4	54.4			
Phenol-d6	21-113		37.2	58.2			
p-Terphenyl-D14	18-137		56.4	78.8			
2,4,6-Tribromophenol	19-122		51.0	67.6			



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0717200B2

Our Lab I.D.			Method Blank	105452.01	105452.02	105452.03	105452.04
Client Sample I.D.				B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15
Date Sampled				07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/18/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	105452.01	105452.02	105452.03	105452.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		105	112	111	108	107



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0717200B2

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/18/2020	07/18/2020	07/18/2020	07/18/2020	07/18/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		107	109	110	106	112



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0717200B2

Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/18/2020	07/18/2020	07/18/2020	07/18/2020	07/18/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		111	110	109	112	100



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0717200B2

Our Lab I.D.			105452.15			
Client Sample I.D.			B7-S2-20			
Date Sampled			07/16/2020			
Date Prepared			07/17/2020			
Preparation Method			5035A			
Date Analyzed			07/18/2020			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND			
Our Lab I.D.			105452.15			
Surrogates	%Rec.Limit		% Rec.			
Bromofluorobenzene	75-125		111			



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071720DB1

Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Client Sample I.D.			B8-S2-1	B8-S2-5	B8-S2-10	B8-S2-15	
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	
Date Prepared		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	15.0	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	15.0	ND	ND	ND
Our Lab I.D.		Method Blank	105452.01	105452.02	105452.03	105452.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125	95.8	76.0	96.9	109	108	



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071720DB1

Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Client Sample I.D.			B8-S2-20	B6-S2-1	B6-S2-5	B6-S2-10	B6-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/17/2020	07/20/2020	07/17/2020	07/17/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	ND
Our Lab I.D.			105452.05	105452.06	105452.07	105452.08	105452.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		110	115	103	75.1	104



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071720DB1

Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Client Sample I.D.			B6-S2-20	B7-S2-1	B7-S2-5	B7-S2-10	B7-S2-15
Date Sampled			07/16/2020	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/20/2020	07/20/2020	07/18/2020	07/18/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	1.54J	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	12.7	ND	22.2	5.01
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	14.2	ND	22.2	5.01
Our Lab I.D.			105452.10	105452.11	105452.12	105452.13	105452.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		99.8	110	108	107	101



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071720DB1

Our Lab I.D.			105452.15			
Client Sample I.D.			B7-S2-20			
Date Sampled			07/16/2020			
Date Prepared			07/17/2020			
Preparation Method			3550B			
Date Analyzed			07/20/2020			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
TPH as Diesel (C13-C22)	1.0	5.0	ND			
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND			
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND			
Our Lab I.D.			105452.15			
Surrogates	%Rec.Limit		% Rec.			
Chlorobenzene	75-125		107			



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0306; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Perchlorate	0.00	500	500	100	500	530	106	5.8	70-130	<30

QC Batch No: B0G0306; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Perchlorate	500	497	99.4	80-120						



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0H0034; Dup or Spiked Sample: 105452.08; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Perchlorate	0.00	500	605	121	500	600	120	<1	70-130	<30

QC Batch No: B0H0034; Dup or Spiked Sample: 105452.08; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Perchlorate	500	570	114	80-120						



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0717202C9; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/20/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	47.5	94.9	50.0	47.1	94.1	<1	75-125	<15
Arsenic	2.80	50.0	50.9	96.2	50.0	50.7	95.8	<1	75-125	<15
Barium	103	50.0	152	98.0	50.0	152	98.0	<1	75-125	<15
Beryllium	0.00	50.0	50.5	101	50.0	51.0	102	<1	75-125	<15
Cadmium	0.00	50.0	43.2	86.3	50.0	43.1	86.1	<1	75-125	<15
Chromium	18.1	50.0	64.9	93.6	50.0	64.9	93.6	<1	75-125	<15
Cobalt	11.5	50.0	56.5	90.0	50.0	56.4	89.8	<1	75-125	<15
Copper	19.7	50.0	75.2	111	50.0	74.7	110	<1	75-125	<15
Lead	18.3	50.0	61.7	86.8	50.0	61.8	87.0	<1	75-125	<15
Mercury (By EPA 7471)	0.214	0.500	0.659	89.0	0.500	0.684	94.0	5.5	75-125	<15
Molybdenum	0.00	50.0	47.3	94.6	50.0	47.5	95.0	<1	75-125	<15
Nickel	10.9	50.0	55.4	89.0	50.0	55.3	88.8	<1	75-125	<15
Selenium	0.00	50.0	39.0	78.0	50.0	38.5	77.0	1.3	75-125	<15
Silver	0.00	50.0	46.5	93.0	50.0	46.5	93.0	<1	75-125	<15
Thallium	0.00	50.0	22.8 M	45.6	50.0	25.0 M	50.0	9.2	75-125	<15
Vanadium	46.1	50.0	94.3	96.4	50.0	94.2	96.2	<1	75-125	<15
Zinc	84.2	50.0	126	83.6	50.0	125	81.6	2.4	75-125	<15

QC Batch No: 0717202C9; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/20/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Antimony	50.0	54.0	108	50.0	54.0	108	<1	75-125	<15
Arsenic	50.0	54.2	108	50.0	54.9	110	1.8	75-125	<15
Barium	50.0	53.0	106	50.0	52.4	105	<1	75-125	<15
Beryllium	50.0	54.2	108	50.0	53.0	106	1.9	75-125	<15
Cadmium	50.0	53.5	107	50.0	53.5	107	<1	75-125	<15
Chromium	50.0	53.4	107	50.0	53.3	107	<1	75-125	<15
Cobalt	50.0	53.8	108	50.0	53.5	107	<1	75-125	<15
Copper	50.0	54.5	109	50.0	53.5	107	1.9	75-125	<15



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0717202C9; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/20/2020;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	52.1	104	50.0	52.5	105	<1	75-125	<15	
Mercury (By EPA 7471)	0.500	0.515	103	0.500	0.515	103	<1	75-125	<15	
Molybdenum	50.0	52.7	105	50.0	52.5	105	<1	75-125	<15	
Nickel	50.0	52.5	105	50.0	52.0	104	<1	75-125	<15	
Selenium	50.0	51.9	104	50.0	54.0	108	3.8	75-125	<15	
Silver	50.0	51.3	103	50.0	53.6	107	3.8	75-125	<15	
Thallium	50.0	52.3	105	50.0	52.7	105	<1	75-125	<15	
Vanadium	50.0	53.7	107	50.0	53.0	106	<1	75-125	<15	
Zinc	50.0	55.2	110	50.0	54.6	109	<1	75-125	<15	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071720EB2; Dup or Spiked Sample: 105452.04; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	21.6	108	20.0	24.7	124	13.8	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	68.9	138	50.0	87.7	175	23.6	40-150	<40
Dieldrin	0.00	50.0	55.8	112	50.0	65.1	130	14.9	40-150	<40
Endrin	0.00	50.0	61.1	122	50.0	74.3	149	19.9	40-150	<40
Heptachlor	0.00	20.0	23.2	116	20.0	27.0	135	15.1	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	21.1	106	20.0	24.4	122	14.0	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	30.3	121	25.0	34.3	137	12.4	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	29.4	118	25.0	33.1	132	11.2	30-150	<40

QC Batch No: 071720EB2; Dup or Spiked Sample: 105452.04; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aldrin	20.0	21.3	107	20.0	22.5	113	5.5	50-150	<40
4,4'-DDT (DDT)	50.0	64.2	128	50.0	65.4	131	2.3	50-150	<40
Dieldrin	50.0	54.8	110	50.0	60.1	120	8.7	50-150	<40
Endrin	50.0	57.1	114	50.0	60.3	121	6.0	50-150	<40
Heptachlor	20.0	23.3	117	20.0				50-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	20.6	103	20.0	22.1	111	7.5	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	28.9	116	25.0	32.0	128	9.8	30-150	<40
Tetrachloro-m-xylene	25.0	26.6	106	25.0	27.7	111	4.6	30-150	<40



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071720ZB1; Dup or Spiked Sample: 105452.05; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	500	100	500	490	98.0	2.0	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	380	76.0	500	400	80.0	5.1	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	24.0	96.0	25.0	27.0	108	11.8	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	23.0	92.0	25.0	23.0	92.0	<1	30-150	<40

QC Batch No: 071720ZB1; Dup or Spiked Sample: 105452.05; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aroclor-1016 (PCB-1016)	500	403	80.6	500	391	78.2	3.0	50-150	<40
Aroclor-1260 (PCB-1260)	500	400	80.0	500	373	74.6	7.0	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	19.3	77.2	25.0	19.0	76.0	1.6	30-150	<40
Tetrachloro-m-xylene	25.0	17.6	70.4	25.0	19.6	78.4	10.8	30-150	<40



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	6.32	50.0	28.9 M	45.2	50.0	37.6 M	62.6	32.3	75-125	<20
Chlorobenzene	0.00	50.0	16.3 M	32.6	50.0	24.7 M	49.4	41.0	75-125	<20
1,1-Dichloroethene	0.00	50.0	33.2 M	66.4	50.0	41.3	82.6	21.7	75-125	<20
Toluene (Methyl benzene)	2.36	50.0	22.1 M	39.5	50.0	32.2 M	59.7	40.7	75-125	<20
Trichloroethene	0.00	50.0	23.8 M	47.6	50.0	33.4 M	66.8	33.6	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	38.9	77.8	50.0	43.3	86.6	10.7	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	45.7	91.3	50.0	48.3	96.5	5.5	75-125	<20
Dibromofluoromethane	0.00	50.0	55.0	110	50.0	55.0	110	<1	75-125	<20
Toluene-d8	0.00	50.0	49.1	98.1	50.0	50.5	101	2.9	75-125	<20

QC Batch No: 0717201A1; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Benzene	50.0	55.6	111	50.0	55.9	112	<1	75-125	<20
Chlorobenzene	50.0	53.1	106	50.0	53.6	107	<1	75-125	<20
1,1-Dichloroethene	50.0	57.3	115	50.0	58.8	118	2.6	75-125	<20
Toluene (Methyl benzene)	50.0	52.4	105	50.0	52.5	105	<1	75-125	<20
Trichloroethene	50.0	56.6	113	50.0	57.2	114	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	56.8	114	50.0	58.1	116	1.7	75-125	<20
LCS									
Chloroform (Trichloromethane)	50.0	56.9	114	50.0	57.4	115	<1	75-125	<20
Ethylbenzene	50.0	53.1	106	50.0	53.3	107	<1	75-125	<20
1,1,1-Trichloroethane	50.0	57.1	114	50.0	57.1	114	<1	75-125	<20
o-Xylene	50.0	54.2	108	50.0	54.6	109	<1	75-125	<20
m,p-Xylenes	100	110	110	100	110	110	<1	75-125	<20
Surrogates									
Bromofluorobenzene	50.0	42.4	84.9	50.0	43.3	86.5	1.9	75-125	<20
Dibromofluoromethane	50.0	53.5	107	50.0	55.0	110	2.8	75-125	<20



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0717201A1; Dup or Spiked Sample: 105452.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	46.9	93.7	50.0	47.3	94.6	<1	75-125	<20	



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 70

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0718201A1; LCS: Clean Sand; LCS Prepared: 07/18/2020; LCS Analyzed: 07/18/2020; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Benzene	50.0	56.5	113	50.0	56.9	114	<1	75-125	<20
Chlorobenzene	50.0	51.6	103	50.0	52.2	104	<1	75-125	<20
1,1-Dichloroethene	50.0	58.9	118	50.0	59.3	119	<1	75-125	<20
Toluene (Methyl benzene)	50.0	51.4	103	50.0	51.9	104	<1	75-125	<20
Trichloroethene	50.0	56.2	112	50.0	57.4	115	2.6	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	58.8	118	50.0	60.0	120	1.7	75-125	<20
LCS									
Chloroform (Trichloromethane)	50.0	59.1	118	50.0	59.9	120	1.7	75-125	<20
Ethylbenzene	50.0	51.2	102	50.0	51.7	103	<1	75-125	<20
1,1,1-Trichloroethane	50.0	56.6	113	50.0	57.2	114	<1	75-125	<20
o-Xylene	50.0	52.7	105	50.0	53.8	108	2.8	75-125	<20
m,p-Xylenes	100	105	105	100	106	106	<1	75-125	<20
Surrogates									
Bromofluorobenzene	50.0	43.0	86.1	50.0	42.8	85.6	<1	75-125	<20
Dibromofluoromethane	50.0	55.5	111	50.0	55.6	111	<1	75-125	<20
Toluene-d8	50.0	46.9	93.7	50.0	47.0	94.0	<1	75-125	<20



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1; Dup or Spiked Sample: 105470.01; LCS: Clean Sand; QC Prepared: 07/20/2020; MS Analyzed: 07/21/2020;
 LCS Analyzed: 07/20/2020; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	44.9	89.8	50.0	40.8	81.6	9.6	75-125	<20
Chlorobenzene	0.00	50.0	43.4	86.8	50.0	40.5	81.0	6.9	75-125	<20
1,1-Dichloroethene	0.00	50.0	44.0	88.0	50.0	38.6	77.2	13.1	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	45.0	90.0	50.0	40.5	81.0	10.5	75-125	<20
Trichloroethene	0.00	50.0	45.1	90.2	50.0	41.1	82.2	9.3	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	38.9	77.8	50.0	40.3	80.6	3.5	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	43.7	87.3	50.0	43.7	87.4	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	51.0	102	50.0	52.0	104	1.9	75-125	<20
Toluene-d8	0.00	50.0	51.0	102	50.0	50.5	101	<1	75-125	<20

QC Batch No: 0720201A1; Dup or Spiked Sample: 105470.01; LCS: Clean Sand; QC Prepared: 07/20/2020; MS Analyzed: 07/21/2020;
 LCS Analyzed: 07/20/2020; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	58.3	117	50.0	57.2	114	2.6	75-125	<20	
Chlorobenzene	50.0	53.2	106	50.0	51.4	103	2.9	75-125	<20	
1,1-Dichloroethene	50.0	59.4	119	50.0	59.8	120	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	51.8	104	50.0	50.1	100	3.9	75-125	<20	
Trichloroethene	50.0	59.0	118	50.0	57.7	115	2.6	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	59.7	119	50.0	61.7	123	3.3	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	61.1	122	50.0	62.3	125	2.4	75-125	<20	
Ethylbenzene	50.0	52.8	106	50.0	50.7	101	4.8	75-125	<20	
1,1,1-Trichloroethane	50.0	57.5	115	50.0	56.7	113	1.8	75-125	<20	
o-Xylene	50.0	54.0	108	50.0	51.9	104	3.8	75-125	<20	
m,p-Xylenes	100	109	109	100	105	105	3.7	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	42.0	84.0	50.0	42.1	84.1	<1	75-125	<20	
Dibromofluoromethane	50.0	58.1	116	50.0	58.6	117	<1	75-125	<20	



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1; Dup or Spiked Sample: 105470.01; LCS: Clean Sand; QC Prepared: 07/20/2020; MS Analyzed: 07/21/2020;
LCS Analyzed: 07/20/2020; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	46.2	92.4	50.0	46.1	92.2	<1	75-125	<20	



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1; Dup or Spiked Sample: 105452.05; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/21/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Acenaphthene	0.00	2.50	1.93	77.2	2.50	1.85	74.0	4.2	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	3.58	71.6	5.00	3.53	70.6	1.4	39-98	<20
2-Chlorophenol	0.00	5.00	3.33	66.6	5.00	3.13	62.6	6.2	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	1.75	70.0	2.50	1.63	65.2	7.1	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	2.00	80.0	2.50	1.96	78.4	2.0	50-140	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	1.75	70.0	2.50	1.70	68.0	2.9	41-116	<20
4-Nitrophenol	0.00	5.00	2.30	46.0	5.00	2.40	48.0	4.3	10-110	<20
Pentachlorophenol	0.00	5.00	3.21	64.2	5.00	3.26	65.2	1.5	40-125	<20
Phenol	0.00	5.00	3.03	60.6	5.00	2.90	58.0	4.4	12-89	<20
Pyrene	0.00	2.50	2.42	96.8	2.50	2.38	95.2	1.7	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	1.96	78.4	2.50	1.86	74.4	5.2	39-98	<20
Surrogates										
2-Fluorophenol	0.00	5.00	2.88	57.6	5.00	2.61	52.2	9.8	25-121	<20
2-Fluorobiphenyl	0.00	2.50	1.96	78.4	2.50	1.84	73.6	6.3	30-115	<20
Nitrobenzene-d5	0.00	2.50	1.58	63.2	2.50	1.51	60.4	4.5	23-120	<20
p-Terphenyl-D14	0.00	2.50	2.28	91.2	2.50	2.27	90.8	<1	18-137	<20
Phenol-d6	0.00	5.00	3.05	61.0	5.00	2.90	58.0	5.0	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	4.18	83.6	5.00	4.06	81.2	2.9	19-122	<20

QC Batch No: 072020KB1; Dup or Spiked Sample: 105452.05; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/21/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Acenaphthene	2.50	1.89	75.6	2.50	1.82	72.8	3.8	31-137	<20
4-Chloro-3-methylphenol	5.00	3.59	71.8	5.00	3.49	69.8	2.8	40-99	<20
2-Chlorophenol	5.00	3.43	68.6	5.00	3.02	60.4	12.7	25-102	<20
1,4-Dichlorobenzene	2.50	1.80	72.0	2.50	1.55	62.0	14.9	28-104	<20
2,4-Dinitrotoluene	2.50	1.94	77.6	2.50	1.94	77.6	<1	50-140	<20
N-Nitroso-Di-n-propylamine	2.50	1.76	70.4	2.50	1.67	66.8	5.2	41-126	<20
4-Nitrophenol	5.00	2.54	50.8	5.00	2.55	51.0	<1	11-114	<20



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072020KB1; Dup or Spiked Sample: 105452.05; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/21/2020;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Pentachlorophenol	5.00	3.24	64.8	5.00	3.29	65.8	1.5	17-125	<20	
Phenol	5.00	3.10	62.0	5.00	2.82	56.4	9.5	26-90	<20	
Pyrene	2.50	2.31	92.4	2.50	2.16	86.4	6.7	35-142	<20	
1,2,4-Trichlorobenzene	2.50	2.05	82.0	2.50	1.84	73.6	10.8	38-107	<20	
Surrogates										
2-Fluorophenol	5.00	3.01	60.2	5.00	2.49	49.8	18.9	25-121	<20	
2-Fluorobiphenyl	2.50	1.91	76.4	2.50	1.84	73.6	3.7	30-115	<20	
Nitrobenzene-d5	2.50	1.63	65.2	2.50	1.55	62.0	5.0	23-120	<20	
p-Terphenyl-D14	2.50	2.18	87.2	2.50	2.10	84.0	3.7	18-137	<20	
Phenol-d6	5.00	3.13	62.6	5.00	2.89	57.8	8.0	24-113	<20	
2,4,6-Tribromophenol	5.00	4.15	83.0	5.00	4.13	82.6	<1	19-122	<20	



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Telephone: (626)458-4923

Attn: Greg Sena

Page: 75

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071720DB1; Dup or Spiked Sample: 105455.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	495	99.0	500	515	103	4.0	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	90.3	90.3	100	91.0	91.0	<1	75-125	<20

QC Batch No: 071720DB1; Dup or Spiked Sample: 105455.01; LCS: Clean Sand; QC Prepared: 07/17/2020; QC Analyzed: 07/17/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	500	100	75-125						
Surrogates										
Chlorobenzene	100	89.8	89.8	75-125						



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105452	07/16/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0717200B2; Dup or Spiked Sample: 105452.01AG; LCS: Clean Sand; QC Prepared: 07/17/2020; MS Analyzed: 07/18/2020;
 LCS Analyzed: 07/17/2020; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.0440	1.00	0.816	77.2	1.00	0.825	78.1	1.2	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0500	100	0.0500	0.0555	111	10.4	75-125	<20

QC Batch No: 0717200B2; Dup or Spiked Sample: 105452.01AG; LCS: Clean Sand; QC Prepared: 07/17/2020; MS Analyzed: 07/18/2020;
 LCS Analyzed: 07/17/2020; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.787	78.7	1.00	0.785	78.5	<1	75-125	<20
Surrogates									
Bromofluorobenzene	0.0500	0.0560	112	0.0500	0.0555	111	<1	75-125	<20



August 04, 2020

Jim Lin
AETL
2834 North Naomi Street
Burbank, CA 91504
Tel: (818) 845-8200
Fax:(818) 845-8840

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2001722
Client Reference : 105452

Enclosed are the results for sample(s) received on July 17, 2020 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

This is an amended report. Please disregard all previous documentation that corresponds to the page(s) enclosed.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

A handwritten signature in black ink, appearing to read "Dr. Reza Karimi".

Dr. Reza Karimi
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

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Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 08/04/2020

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
105452.01	2001722-01	Soil	7/16/20 8:50	7/17/20 13:32
105452.02	2001722-02	Soil	7/16/20 9:00	7/17/20 13:32
105452.03	2001722-03	Soil	7/16/20 9:10	7/17/20 13:32
105452.04	2001722-04	Soil	7/16/20 9:20	7/17/20 13:32
105452.05	2001722-05	Soil	7/16/20 9:30	7/17/20 13:32
105452.06	2001722-06	Soil	7/16/20 10:40	7/17/20 13:32
105452.07	2001722-07	Soil	7/16/20 10:50	7/17/20 13:32
105452.08	2001722-08	Soil	7/16/20 11:10	7/17/20 13:32
105452.09	2001722-09	Soil	7/16/20 11:20	7/17/20 13:32
105452.10	2001722-10	Soil	7/16/20 11:30	7/17/20 13:32
105452.11	2001722-11	Soil	7/16/20 13:20	7/17/20 13:32
105452.12	2001722-12	Soil	7/16/20 13:30	7/17/20 13:32
105452.13	2001722-13	Soil	7/16/20 13:40	7/17/20 13:32
105452.14	2001722-14	Soil	7/16/20 13:50	7/17/20 13:32
105452.15	2001722-15	Soil	7/16/20 14:00	7/17/20 13:32



Certificate of Analysis

AETL	Project Number : 105452
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 08/04/2020

Client Sample ID: 105452.01

Lab ID: 2001722-01

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 17:55	



Certificate of Analysis

AETL	Project Number : 105452
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 08/04/2020

Client Sample ID: 105452.02

Lab ID: 2001722-02

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 18:18	



Certificate of Analysis

AETL	Project Number : 105452
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 08/04/2020

Client Sample ID: 105452.03

Lab ID: 2001722-03

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 18:41	



Certificate of Analysis

AETL	Project Number : 105452
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 08/04/2020

Client Sample ID: 105452.04

Lab ID: 2001722-04

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 19:04	



Certificate of Analysis

AETL	Project Number : 105452
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 08/04/2020

Client Sample ID: 105452.05

Lab ID: 2001722-05

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 19:27	



Certificate of Analysis

AETL	Project Number : 105452
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 08/04/2020

Client Sample ID: 105452.06

Lab ID: 2001722-06

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 19:50	



Certificate of Analysis

AETL	Project Number : 105452
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 08/04/2020

Client Sample ID: 105452.07

Lab ID: 2001722-07

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 20:13	



Certificate of Analysis

AETL	Project Number : 105452
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 08/04/2020

Client Sample ID: 105452.08

Lab ID: 2001722-08

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0H0034	08/03/2020	08/03/20 14:21	



Certificate of Analysis

AETL	Project Number : 105452
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 08/04/2020

Client Sample ID: 105452.09

Lab ID: 2001722-09

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0H0034	08/03/2020	08/03/20 14:43	



Certificate of Analysis

AETL	Project Number : 105452
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 08/04/2020

Client Sample ID: 105452.10

Lab ID: 2001722-10

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 21:21	



Certificate of Analysis

AETL	Project Number : 105452
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 08/04/2020

Client Sample ID: 105452.11

Lab ID: 2001722-11

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/17/20 23:39	



Certificate of Analysis

AETL	Project Number : 105452
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 08/04/2020

Client Sample ID: 105452.12

Lab ID: 2001722-12

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/18/20 00:02	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 08/04/2020

Client Sample ID: 105452.13
Lab ID: 2001722-13

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/18/20 00:25	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 08/04/2020

Client Sample ID: 105452.14
Lab ID: 2001722-14

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0H0034	08/03/2020	08/03/20 15:05	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 08/04/2020

Client Sample ID: 105452.15

Lab ID: 2001722-15

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0306	07/17/2020	07/18/20 01:10	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105452
Report To : Jim Lin
Reported : 08/04/2020

QUALITY CONTROL SECTION

Perchlorate by Ion Chromatography EPA 314 (Modified) - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rcc	% Rec Limits	RPD	RPD Limit	Notes
Batch B0G0306 - Prep_IC2_S										
Blank (B0G0306-BLK1)					Prepared: 7/17/2020 Analyzed: 7/17/2020					
Perchlorate	ND	20	9.2							
LCS (B0G0306-BS1)					Prepared: 7/17/2020 Analyzed: 7/17/2020					
Perchlorate	496.861	20	9.2	500.000		99.4	85 - 115			
Duplicate (B0G0306-DUP1)					Source: 2001722-01 Prepared: 7/17/2020 Analyzed: 7/17/2020					
Perchlorate	ND	20	9.2						15	
Duplicate (B0G0306-DUP2)					Source: 2001722-11 Prepared: 7/17/2020 Analyzed: 7/18/2020					
Perchlorate	ND	20	9.2						15	
Matrix Spike (B0G0306-MS1)					Source: 2001722-01 Prepared: 7/17/2020 Analyzed: 7/17/2020					
Perchlorate	502.238	20	9.2	500.000	ND	100	80 - 120			
Matrix Spike (B0G0306-MS2)					Source: 2001722-11 Prepared: 7/17/2020 Analyzed: 7/17/2020					
Perchlorate	567.366	20	9.2	500.000	ND	113	80 - 120			
Matrix Spike Dup (B0G0306-MSD1)					Source: 2001722-01 Prepared: 7/17/2020 Analyzed: 7/17/2020					
Perchlorate	528.391	20	9.2	500.000	ND	106	80 - 120	5.08	15	
Matrix Spike Dup (B0G0306-MSD2)					Source: 2001722-11 Prepared: 7/17/2020 Analyzed: 7/18/2020					
Perchlorate	559.449	20	9.2	500.000	ND	112	80 - 120	1.41	15	



Certificate of Analysis

AETL 2834 North Naomi Street Burbank, CA 91504	Project Number : 105452 Report To : Jim Lin Reported : 08/04/2020
--	---

Perchlorate by Ion Chromatography EPA 314 (Modified) - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
Batch B0H0034 - Prep_IC2_S										
Blank (B0H0034-BLK1)					Prepared: 8/3/2020 Analyzed: 8/3/2020					
Perchlorate	ND	20	9.2							
LCS (B0H0034-BS1)					Prepared: 8/3/2020 Analyzed: 8/3/2020					
Perchlorate	571.714	20	9.2	500.000		114	85 - 115			
Duplicate (B0H0034-DUP1)					Source: 2001722-09RE1 Prepared: 8/3/2020 Analyzed: 8/3/2020					
Perchlorate	ND	20	9.2		ND				15	
Matrix Spike (B0H0034-MS1)					Source: 2001722-09RE1 Prepared: 8/3/2020 Analyzed: 8/3/2020					
Perchlorate	607.392	20	9.2	500.000	ND	121	80 - 120			M2
Matrix Spike Dup (B0H0034-MSD1)					Source: 2001722-09RE1 Prepared: 8/3/2020 Analyzed: 8/3/2020					
Perchlorate	600.289	20	9.2	500.000	ND	120	80 - 120	1.18	15	M2



Certificate of Analysis

AETL	Project Number : 105452
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 08/04/2020

Notes and Definitions

M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wct unless otherwise specified.



ADVANCED TECHNOLOGY
LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 2
Instruction: Complete all shaded areas.

2001722

ATLCOOC Ver: 20200320
For Laboratory Use Only

Method of Transport	Sample Conditions Upon Receipt
<input checked="" type="checkbox"/> Client <input type="checkbox"/> FedEx <input type="checkbox"/> GSO <input type="checkbox"/> Other:	Condition: <input type="checkbox"/> Y <input type="checkbox"/> N 1. CHILLED <input type="checkbox"/> Y <input type="checkbox"/> N 2. HEADSPACE (VOA) <input type="checkbox"/> Y <input type="checkbox"/> N 3. CONTAINER INTACT <input type="checkbox"/> Y <input type="checkbox"/> N 4. SEALED <input type="checkbox"/> Y <input type="checkbox"/> N 5. # OF SAMPLES: 1-MECH: 0-CC: <input type="checkbox"/> <input type="checkbox"/> 6. PRESERVED <input type="checkbox"/> <input type="checkbox"/> 7. COOLER TEMP: 68° C: 5-6 8. JCT:

Company: **ACTL** Address: **2834 N. Naomi St.** Tel: **818-845-8200**
 Attn: **Jim** City: **Burbank** State: **CA** Zip: **91504** Fax: **818-845-8240**
 SEND REPORT TO: Email: SEND INVOICE TO: Email: same as SEND REPORT TO
 Company: Address: City: State: Zip: same as SEND REPORT TO
 Project Name: **105452** Quote #: **105452**
 Project No.: **105452** PO #: **sub-31866**
 Sampler: **RL**

ITEM	Lab ID (For Lab Use Only)	Sample Description		Date	Time	Requested Analysis	Sample Matrix	Turnaround Time (TAT)	Quantity	Container	Remarks
		Sample ID	Location								
1	17204	105452.01		7/16/20	0850				215	14	
2	-02	105452.02			0900						
3	-03	105452.03			0910						
4	-04	105452.04			0920						
5	-05	105452.05			0930						
6	-06	105452.06			1040						
7	-07	105452.07			1050						
8	-08	105452.08			1110						
9	-09	105452.09			1120						
10	-10	105452.10			1130						

Relinquished by: (Signature and Printed Name) **[Signature]** Date: **7/17/20** Time: **11:20**
 Relinquished by: (Signature and Printed Name) **[Signature]** Date: **7/17/20** Time: **11:20**
 Relinquished by: (Signature and Printed Name) **[Signature]** Date: **7/17/20** Time: **11:20**

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

CHAIN OF CUSTODY RECORD

Page 20 of
 Instruction: Complete all shaded areas.

For Laboratory Use Only ATLCOCC Ver: 202003/20

Sample Conditions Upon Receipt

Method of Transport	Condition	Y	N
<input type="checkbox"/> Chill	1. CHILLED	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> FedEx	2. HEADSPACE (NSA)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> GSO	3. CONTAINER INTACT	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Other:	4. SEALED	<input type="checkbox"/>	<input type="checkbox"/>

Condition:

5. # OF SAMPLES MATCHING:

6. PRESERVED:

7. COOLER TEMP. Log C:

Company: _____ Address: _____ Tel: _____

City: _____ State: _____ Zip: _____

SEND REPORT TO: _____

Attn: _____ Email: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

SEND INVOICE TO: _____

Attn: _____ Email: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Project Name: 105452

Project No.: 105452

Sampler: RL

Quote #: _____

PO #: _____

ITEM	Lab ID (For Lab Use Only)	Sample Description		Date	Time	Requested Analysis	Sample Matrix	Turnaround Time (TAT)	Quantity	Container	Remarks
		Sample ID	Location								
1	172-11	105452.11		7/16/12	1320				1	151	
2	172	105452.12			1330				1	151	
3	173	105452.13			1340				1	151	
4	174	105452.14			1350				1	151	
5	175	105452.15			1400				1	151	
6											
7											
8											
9											
10											

(Special Instructions, Comments, Notes, etc.)

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Number of Pages 74
Date Received 07/17/2020
Date Reported 07/22/2020

Telephone: (626)458-4923
Attention: Greg Sena

Job Number	Order Date	Client
105467	07/17/2020	LACDPW

Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor
Site: Devil's Gate Reservoir

Enclosed please find results of analyses of 17 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 23 pages

Checked By: _____

Approved By: _____

Joe Sevrean
Laboratory Director



AMERICAN ENVIRONMENTAL TESTING LABORATORY
 2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP # 1541 LACSD# 10181
 TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

A KYZER LABS COMPANY

COMPANY LACo Public Works
PROJECT MANAGER Gregory Serna / Ricardo Lopez
COMPANY ADDRESS 900 S. Fremont Ave
 Alhambra, CA 91803
 PHONE 626.458.4923
 EMAIL 626.458.4913
PROJECT NAME Devil's Gate Reservoir Restoration HF00710004
SITE NAME AND ADDRESS Devil's Gate Reservoir
 PO #

BBS60160
 CHAIN OF CUSTODY RECORD
 119377

AETL JOB No. 105467 Page 2 of 2

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED											TEST INSTRUCTIONS & COMMENTS					
							11122 Metals	80814	8270C	TPH-G	8015*	TPH-OH	8015*	PCB's	8082	VOC's + Oxy's	826B		Perchlorate	314 OM	547M		
1	B11-52-10	105467.16	7-17-20	14:30	Soil	4 vials / 28mJ	Ice/V.	X	X	X	X	X	X	X	X	X	X	X	X				
2	B11-52-15	105467.17	14:40					X	X	X	X	X	X	X	X	X	X	X	X				
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							

TOTAL NUMBER OF CONTAINERS: 12

BILLING INFORMATION / SPECIAL INSTRUCTIONS

TURN AROUND TIME

NORMAL SAME DAY RUSH NEXT DAY RUSH 4 DAYS RUSH

2 DAYS RUSH 3 DAYS RUSH 4 DAYS RUSH

DATA DELIVERABLE REQUIRED

HARD COPY E-COPY GEOTRACKER (GLOBAL ID) OTHER (PLEASE SPECIFY)

RELINQUISHED BY SAMPLER:	RELINQUISHED BY:	RELINQUISHED BY:
Signature: [Signature] Printed Name: R. Lopez Date: 7-17-20 Time: 16:00	Signature: [Signature] Printed Name: [Signature] Date: 7-20-20 Time: 17:00	Signature: [Signature] Printed Name: [Signature] Date: 7-17-20 Time: 17:25

RECEIVED BY: 1. [Signature] Date: 7-17-20 Time: 16:00
 2. [Signature] Date: 7-20-20 Time: 17:00
 3. [Signature] Date: 7-17-20 Time: 17:25

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



A KYZER LABS COMPANY

AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 N. NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP# 1541 & 2402 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: <u>LACPW</u>			
Project Name:			
AETL Job Number: <u>105467</u>			
Date Received: <u>07/17/20</u>		Received by: <u>Ant</u>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input checked="" type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.2</u> °C, No 2: <u>3.3</u> °C, No 3:			
Type of sample containers: <input checked="" type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify): <u>17x 5035 kits</u>			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input checked="" type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify): <u>NaHSO₄H₂O</u>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>Y</u>		
2. Are the Sample labels legible?	<u>Y</u>		
3. Do samples match the COC?	<u>Y</u>		
4. Are the required analyses clear?	<u>Y</u>		
5. Is there enough samples for required analysis?	<u>Y</u>		
6. Are samples sealed with evidence tape?		<u>N</u>	
7. Are sample containers in good condition?	<u>Y</u>		
8. Are samples preserved?	<u>Y</u>		
9. Are samples preserved properly for the intended analysis?	<u>Y</u>		
10. Are the VOAs free of headspace?	<u>NIS</u>		
11. Are the jars free of headspace?	<u>Y</u>		

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.

Explain all "No" answers for above questions:



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181

Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Page: 1 A

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Project ID: HF00710004
Date Received 07/17/2020
Date Reported 07/22/2020

Telephone: (626) 458-4923

Attention: Greg Sena

Job Number	Order Date	Client
105467	07/17/2020	LACDPW

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 17 samples with the following specification on 07/17/2020.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
105467.01	B16-S2-1	07/17/2020	Soil	6
105467.02	B16-S2-5	07/17/2020	Soil	6
105467.03	B14-S2-1	07/17/2020	Soil	6
105467.04	B14-S2-5	07/17/2020	Soil	6
105467.05	B14-S2-10	07/17/2020	Soil	6
105467.06	B15-S2-1	07/17/2020	Soil	6
105467.07	B15-S2-5	07/17/2020	Soil	6
105467.08	B15-S2-10	07/17/2020	Soil	6
105467.09	B4-S2-1	07/17/2020	Soil	6
105467.10	B4-S2-5	07/17/2020	Soil	6
105467.11	B4-S2-10	07/17/2020	Soil	6
105467.12	B4-S2-15	07/17/2020	Soil	6
105467.13	B4-S2-20	07/17/2020	Soil	6
105467.14	B11-S2-1	07/17/2020	Soil	6
105467.15	B11-S2-5	07/17/2020	Soil	6
105467.16	B11-S2-10	07/17/2020	Soil	6
105467.17	B11-S2-15	07/17/2020	Soil	6

Method ^ Submethod	Req Date	Priority	TAT	Units
(314.0)	07/20/2020	4	Rush	ug/Kg
(6010B/7000CAM)	07/20/2020	4	Rush	mg/Kg
(8081A)	07/20/2020	4	Rush	ug/Kg
(8082)	07/20/2020	4	Rush	ug/Kg
(8260B) ^ +OXY5035	07/20/2020	4	Rush	ug/Kg
(8270C)	07/20/2020	4	Rush	mg/Kg
(M8015D) ^ C13-C40	07/20/2020	4	Rush	mg/Kg
(M8015G)	07/20/2020	4	Rush	mg/Kg

Continued



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Page: 1 B

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Project ID: HF00710004
Date Received 07/17/2020
Date Reported 07/22/2020

Telephone: (626) 458-4923

Attention: Greg Sena

Job Number	Order Date	Client
105467	07/17/2020	LACDPW

CERTIFICATE OF ANALYSIS CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By:  _____

Approved By:  _____

Joe Sevran
Laboratory Director



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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 2

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0349

Our Lab I.D.		Method Blank	105467.01	105467.02	105467.03	105467.04
Client Sample I.D.			B16-S2-1	B16-S2-5	B14-S2-1	B14-S2-5
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method		314.0	314.0	314.0	314.0	314.0
Date Analyzed		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Perchlorate	20.0	20.0	ND	ND	ND	ND



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0349

Our Lab I.D.		105467.05	105467.06	105467.07	105467.08	105467.09
Client Sample I.D.		B14-S2-10	B15-S2-1	B15-S2-5	B15-S2-10	B4-S2-1
Date Sampled		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method		314.0	314.0	314.0	314.0	314.0
Date Analyzed		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Perchlorate	20.0	20.0	ND	ND	ND	ND



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0349

Our Lab I.D.		105467.10	105467.11	105467.12	105467.13	105467.14
Client Sample I.D.		B4-S2-5	B4-S2-10	B4-S2-15	B4-S2-20	B11-S2-1
Date Sampled		07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method		314.0	314.0	314.0	314.0	314.0
Date Analyzed		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Perchlorate	20.0	20.0	ND	ND	ND	ND



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0349

Our Lab I.D.		105467.15	105467.16	105467.17		
Client Sample I.D.		B11-S2-5	B11-S2-10	B11-S2-15		
Date Sampled		07/17/2020	07/17/2020	07/17/2020		
Date Prepared		07/20/2020	07/20/2020	07/20/2020		
Preparation Method		314.0	314.0	314.0		
Date Analyzed		07/20/2020	07/20/2020	07/20/2020		
Matrix		Soil	Soil	Soil		
Units		ug/Kg	ug/Kg	ug/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Perchlorate	20.0	20.0	ND	ND	ND	



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0720202C7

Our Lab I.D.		Method Blank	105467.01	105467.02	105467.03	105467.04	
Client Sample I.D.			B16-S2-1	B16-S2-5	B14-S2-1	B14-S2-5	
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Date Prepared		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Preparation Method		3050B	3050B	3050B	3050B	3050B	
Date Analyzed		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	2.58J	2.24J	2.18J	1.60J
Barium	2.5	5.0	ND	69.8	61.7	82.3	51.7
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	ND	2.23J	1.76J	2.20J	1.59J
Chromium	2.5	5.0	ND	11.2	10.2	12.1	9.44
Cobalt	2.5	5.0	ND	7.13	6.76	8.30	6.16
Copper	2.5	5.0	ND	14.0	12.7	17.2	9.33
Lead	2.5	5.0	ND	10.3	8.33	12.0	7.42
Mercury (By EPA 7471)	0.1	0.2	ND	0.290	0.237	0.255	0.153J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	6.88	6.31	7.08	5.58
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	31.6	27.7	37.3	25.6
Zinc	2.5	5.0	ND	53.1	42.7	71.8	42.4



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0720202C7

Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Client Sample I.D.			B14-S2-10	B15-S2-1	B15-S2-5	B15-S2-10	B4-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	1.13J	2.29J	2.37J	ND	2.49J
Barium	2.5	5.0	53.8	99.3	107	31.0	99.7
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	1.57J	2.46J	2.82	ND	2.79
Chromium	2.5	5.0	6.25	17.1	16.2	3.71J	16.4
Cobalt	2.5	5.0	6.12	9.44	11.0	3.20J	11.1
Copper	2.5	5.0	10.1	22.2	19.9	4.63J	17.5
Lead	2.5	5.0	4.33J	14.8	18.3	ND	15.5
Mercury (By EPA 7471)	0.1	0.2	0.129J	0.175J	0.252	0.143J	0.830
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	3.95J	8.16	9.77	2.81J	9.76
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	27.1	41.8	45.7	14.0	45.9
Zinc	2.5	5.0	35.9	90.5	81.4	22.0	75.9



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Telephone: (626)458-4923

Attn: Greg Sena

Page: 8

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0720202C7

Our Lab I.D.			105467.10	105467.11	105467.12	105467.13	105467.14
Client Sample I.D.			B4-S2-5	B4-S2-10	B4-S2-15	B4-S2-20	B11-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	2.96J	ND	ND	ND	2.24J
Barium	2.5	5.0	102	54.1	51.4	34.7	107
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	2.92	1.67J	1.42J	ND	2.76
Chromium	2.5	5.0	18.5	9.14	5.57	4.11J	18.1
Cobalt	2.5	5.0	11.6	6.55	5.83	4.03J	11.4
Copper	2.5	5.0	24.4	7.29	6.24	6.14	20.9
Lead	2.5	5.0	11.6	3.34J	4.08J	ND	15.0
Mercury (By EPA 7471)	0.1	0.2	0.233	0.102J	0.113J	0.162J	0.181J
Molybdenum	2.0	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	11.4	5.43	3.38J	3.08J	10.8
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	3.16J	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	46.2	26.0	24.8	17.7	44.6
Zinc	2.5	5.0	78.7	40.6	33.6	25.8	76.5



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0720202C7

Our Lab I.D.			105467.15	105467.16	105467.17		
Client Sample I.D.			B11-S2-5	B11-S2-10	B11-S2-15		
Date Sampled			07/17/2020	07/17/2020	07/17/2020		
Date Prepared			07/20/2020	07/20/2020	07/20/2020		
Preparation Method			3050B	3050B	3050B		
Date Analyzed			07/21/2020	07/21/2020	07/21/2020		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Antimony	1.0	5.0	ND	ND	ND		
Arsenic	1.0	5.0	2.72J	3.21J	3.72J		
Barium	2.5	5.0	93.4	76.2	91.8		
Beryllium	1.0	2.5	ND	ND	ND		
Cadmium	1.0	2.5	2.20J	1.48J	2.53		
Chromium	2.5	5.0	14.9	11.3	11.8		
Cobalt	2.5	5.0	9.05	6.05	11.2		
Copper	2.5	5.0	22.9	17.5	19.5		
Lead	2.5	5.0	21.9	36.2	6.39		
Mercury (By EPA 7471)	0.1	0.2	0.210	0.302	0.170J		
Molybdenum	2.0	5.0	ND	ND	ND		
Nickel	2.5	5.0	10.1	8.10	7.58		
Selenium	1.0	5.0	ND	ND	ND		
Silver	2.0	5.0	ND	ND	ND		
Thallium	0.7	5.0	ND	ND	ND		
Vanadium	2.5	5.0	36.0	23.9	48.0		
Zinc	2.5	5.0	67.4	63.3	74.9		



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 072020EB1

Our Lab I.D.		Method Blank	105467.01	105467.02	105467.03	105467.04	
Client Sample I.D.			B16-S2-1	B16-S2-5	B14-S2-1	B14-S2-5	
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Date Prepared		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	2.54	1.27J
Chlordane (alpha)	1.0	2.0	ND	ND	ND	1.30J	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	4.44	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	1.24J	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	80.0	170.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		Method Blank	105467.01	105467.02	105467.03	105467.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	111	115	100	104	114
Tetrachloro-m-xylene	30-150	104	107	99.6	98.8	114



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 072020EB1

Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Client Sample I.D.			B14-S2-10	B15-S2-1	B15-S2-5	B15-S2-10	B4-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	2.98	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	2.58	1.60J	ND	ND
Chlordane (alpha)	1.0	2.0	ND	1.40J	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	1.10J	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	1.18J	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	80.0	170.0	ND	ND	ND	ND	ND



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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		105467.05	105467.06	105467.07	105467.08	105467.09
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	106	108	103	100	106
Tetrachloro-m-xylene	30-150	104	108	100	104	104



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 072020EB1

Our Lab I.D.			105467.10	105467.11	105467.12	105467.13	105467.14
Client Sample I.D.			B4-S2-5	B4-S2-10	B4-S2-15	B4-S2-20	B11-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	80.0	170.0	ND	ND	ND	ND	ND



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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		105467.10	105467.11	105467.12	105467.13	105467.14
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	118	126	124	114	121
Tetrachloro-m-xylene	30-150	116	122	120	114	122



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 072020EB1

Our Lab I.D.			105467.15	105467.16	105467.17		
Client Sample I.D.			B11-S2-5	B11-S2-10	B11-S2-15		
Date Sampled			07/17/2020	07/17/2020	07/17/2020		
Date Prepared			07/20/2020	07/20/2020	07/20/2020		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			07/20/2020	07/20/2020	07/21/2020		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Aldrin	1.0	2.0	ND	ND	ND		
Chlordane (Total)	1.0	2.0	ND	1.50J	ND		
Chlordane (alpha)	1.0	2.0	ND	ND	ND		
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND		
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND		
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND		
Dieldrin	1.0	2.0	ND	ND	ND		
Endosulfan 1	1.0	2.0	ND	ND	ND		
Endosulfan 11	1.0	2.0	ND	ND	ND		
Endosulfan sulfate	1.0	2.0	ND	ND	ND		
Endrin	1.0	2.0	ND	ND	ND		
Endrin aldehyde	1.0	2.0	ND	ND	ND		
Endrin ketone	1.0	2.0	ND	ND	ND		
Chlordane (gamma)	1.0	2.0	ND	ND	ND		
Heptachlor	1.0	2.0	ND	ND	ND		
Heptachlor epoxide	1.0	2.0	ND	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND		
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND		
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND		
Methoxychlor	5.0	10.0	ND	ND	ND		
Toxaphene	80.0	170.0	ND	ND	ND		



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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			105467.15	105467.16	105467.17		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		115	125	124		
Tetrachloro-m-xylene	30-150		102	108	118		



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 072020ZB1

Our Lab I.D.		Method Blank	105467.01	105467.02	105467.03	105467.04	
Client Sample I.D.			B16-S2-1	B16-S2-5	B14-S2-1	B14-S2-5	
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Date Prepared		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105467.01	105467.02	105467.03	105467.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150	70.0	75.6	73.6	68.8	82.0	
Tetrachloro-m-xylene	30-150	105	94.4	103	68.4	79.2	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 072020ZB1

Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Client Sample I.D.			B14-S2-10	B15-S2-1	B15-S2-5	B15-S2-10	B4-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		68.8	66.0	64.0	56.8	63.6
Tetrachloro-m-xylene	30-150		89.2	63.2	111	112	71.6



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 072020ZB1

Our Lab I.D.			105467.10	105467.11	105467.12	105467.13	105467.14
Client Sample I.D.			B4-S2-5	B4-S2-10	B4-S2-15	B4-S2-20	B11-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/20/2020	07/20/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.			105467.10	105467.11	105467.12	105467.13	105467.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		76.4	112	65.6	62.0	78.4
Tetrachloro-m-xylene	30-150		77.2	49.6	113	117	116



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 072020ZB1

Our Lab I.D.			105467.15	105467.16	105467.17		
Client Sample I.D.			B11-S2-5	B11-S2-10	B11-S2-15		
Date Sampled			07/17/2020	07/17/2020	07/17/2020		
Date Prepared			07/20/2020	07/20/2020	07/20/2020		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			07/21/2020	07/21/2020	07/21/2020		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND		
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND		
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND		
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND		
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND		
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND		
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND		
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND		
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND		
Our Lab I.D.			105467.15	105467.16	105467.17		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		82.4	77.2	94.0		
Tetrachloro-m-xylene	30-150		117	104	118		



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ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1

Our Lab I.D.			Method Blank	105467.01	105467.02	105467.03	105467.04
Client Sample I.D.				B16-S2-1	B16-S2-5	B14-S2-1	B14-S2-5
Date Sampled				07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/21/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	1.18J	2.24J	4.66J	6.56J
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1

Our Lab I.D.			Method Blank	105467.01	105467.02	105467.03	105467.04
Client Sample I.D.				B16-S2-1	B16-S2-5	B14-S2-1	B14-S2-5
Date Sampled				07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/21/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	1.16J	1.09J	4.82J	2.16J
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1

Our Lab I.D.		Method Blank	105467.01	105467.02	105467.03	105467.04	
Client Sample I.D.			B16-S2-1	B16-S2-5	B14-S2-1	B14-S2-5	
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Date Prepared		07/21/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105467.01	105467.02	105467.03	105467.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	89.5	91.2	90.4	91.5	91.8	
Dibromofluoromethane	75-125	106	109	108	108	109	
Toluene-d8	75-125	105	105	105	105	106	



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1

Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Client Sample I.D.			B14-S2-10	B15-S2-1	B15-S2-5	B15-S2-10	B4-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	3.49J	4.18J	3.72J	4.99J
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1

Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Client Sample I.D.			B14-S2-10	B15-S2-1	B15-S2-5	B15-S2-10	B4-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	2.53J	2.21J	ND	4.56J
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1

Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Client Sample I.D.			B14-S2-10	B15-S2-1	B15-S2-5	B15-S2-10	B4-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		90.8	91.7	91.1	90.4	95.9
Dibromofluoromethane	75-125		107	106	106	107	106
Toluene-d8	75-125		106	106	105	106	110



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ANALYTICAL RESULTS

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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1

Our Lab I.D.			105467.10			
Client Sample I.D.			B4-S2-5			
Date Sampled			07/17/2020			
Date Prepared			07/17/2020			
Preparation Method			5035A			
Date Analyzed			07/21/2020			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	2.44J			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1

Our Lab I.D.	105467.10		
Client Sample I.D.	B4-S2-5		
Date Sampled	07/17/2020		
Date Prepared	07/17/2020		
Preparation Method	5035A		
Date Analyzed	07/21/2020		
Matrix	Soil		
Units	ug/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Dichlorodifluoromethane	15	30	ND
1,1-Dichloroethane	5.0	10.0	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND
1,1-Dichloroethene	5.0	10.0	ND
cis-1,2-Dichloroethene	5.0	10.0	ND
trans-1,2-Dichloroethene	5.0	10.0	ND
1,2-Dichloropropane	5.0	10.0	ND
1,3-Dichloropropane	5.0	10.0	ND
2,2-Dichloropropane	5.0	10.0	ND
1,1-Dichloropropene	5.0	10.0	ND
cis-1,3-Dichloropropene	5.0	10.0	ND
trans-1,3-Dichloropropene	5.0	10.0	ND
Ethylbenzene	1.0	10.0	ND
Hexachlorobutadiene	15	30	ND
2-Hexanone	25	50	ND
Isopropylbenzene	5.0	10.0	ND
p-Isopropyltoluene	5.0	10.0	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND
Methylene chloride (DCM)	25	50	ND
Naphthalene	5.0	10.0	ND
n-Propylbenzene	5.0	10.0	ND
Styrene	5.0	10.0	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND
1,1,1,2,2-Tetrachloroethane	5.0	10.0	ND
Tetrachloroethene	2.0	10.0	ND
Toluene (Methyl benzene)	1.0	10.0	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND
1,1,1-Trichloroethane	5.0	10.0	ND
1,1,2-Trichloroethane	5.0	10.0	ND
Trichloroethene	1.5	10.0	ND
Trichlorofluoromethane	5.0	10.0	ND
1,2,3-Trichloropropane	5.0	10.0	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1

Our Lab I.D.			105467.10			
Client Sample I.D.			B4-S2-5			
Date Sampled			07/17/2020			
Date Prepared			07/17/2020			
Preparation Method			5035A			
Date Analyzed			07/21/2020			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
Our Lab I.D.			105467.10			
Surrogates	%Rec.Limit		% Rec.			
Bromofluorobenzene	75-125		91.8			
Dibromofluoromethane	75-125		108			
Toluene-d8	75-125		107			



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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1

Our Lab I.D.			Method Blank	105467.11	105467.12	105467.13	105467.14
Client Sample I.D.				B4-S2-10	B4-S2-15	B4-S2-20	B11-S2-1
Date Sampled				07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/20/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	1.81J	ND	ND	2.43J
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1

Our Lab I.D.		Method Blank	105467.11	105467.12	105467.13	105467.14	
Client Sample I.D.			B4-S2-10	B4-S2-15	B4-S2-20	B11-S2-1	
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Date Prepared		07/20/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	1.71J
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1

Our Lab I.D.		Method Blank	105467.11	105467.12	105467.13	105467.14	
Client Sample I.D.			B4-S2-10	B4-S2-15	B4-S2-20	B11-S2-1	
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Date Prepared		07/20/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105467.11	105467.12	105467.13	105467.14	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	82.9	84.4	85.5	85.2	93.1	
Dibromofluoromethane	75-125	114	114	112	111	111	
Toluene-d8	75-125	94.0	94.3	95.3	96.0	99.0	



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 GMED
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 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1

Our Lab I.D.			105467.15			
Client Sample I.D.			B11-S2-5			
Date Sampled			07/17/2020			
Date Prepared			07/17/2020			
Preparation Method			5035A			
Date Analyzed			07/20/2020			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	4.79J			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1

Our Lab I.D.			105467.15			
Client Sample I.D.			B11-S2-5			
Date Sampled			07/17/2020			
Date Prepared			07/17/2020			
Preparation Method			5035A			
Date Analyzed			07/20/2020			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	1.12J			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1

Our Lab I.D.			105467.15			
Client Sample I.D.			B11-S2-5			
Date Sampled			07/17/2020			
Date Prepared			07/17/2020			
Preparation Method			5035A			
Date Analyzed			07/20/2020			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
Our Lab I.D.			105467.15			
Surrogates	%Rec.Limit		% Rec.			
Bromofluorobenzene	75-125		90.4			
Dibromofluoromethane	75-125		107			
Toluene-d8	75-125		100			



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 37

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1

Our Lab I.D.			105467.16	105467.17		
Client Sample I.D.			B11-S2-10	B11-S2-15		
Date Sampled			07/17/2020	07/17/2020		
Date Prepared			07/17/2020	07/17/2020		
Preparation Method			5035A	5035A		
Date Analyzed			07/21/2020	07/21/2020		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Acetone	25	50	ND	ND		
Benzene	1.0	10.0	9.14J	2.77J		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND		
2-Butanone (MEK)	25	50	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND		
Carbon Disulfide	25	50	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND		
Chloroethane	15	30	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND		
Dibromomethane	5.0	10.0	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND		



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1

Our Lab I.D.			105467.16	105467.17			
Client Sample I.D.			B11-S2-10	B11-S2-15			
Date Sampled			07/17/2020	07/17/2020			
Date Prepared			07/17/2020	07/17/2020			
Preparation Method			5035A	5035A			
Date Analyzed			07/21/2020	07/21/2020			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dichlorodifluoromethane	15	30	ND	ND			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	2.61J	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1

Our Lab I.D.			105467.16	105467.17			
Client Sample I.D.			B11-S2-10	B11-S2-15			
Date Sampled			07/17/2020	07/17/2020			
Date Prepared			07/17/2020	07/17/2020			
Preparation Method			5035A	5035A			
Date Analyzed			07/21/2020	07/21/2020			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
tert-Butyl alcohol (TBA)	20	500	ND	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND			
Ethyl alcohol (Ethanol)	100	500	ND	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND			
Our Lab I.D.			105467.16	105467.17			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		101	91.8			
Dibromofluoromethane	75-125		106	108			
Toluene-d8	75-125		111	105			



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1

Our Lab I.D.		Method Blank	105467.01	105467.02	105467.03	105467.04	
Client Sample I.D.			B16-S2-1	B16-S2-5	B14-S2-1	B14-S2-5	
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Date Prepared		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1

Our Lab I.D.			Method Blank	105467.01	105467.02	105467.03	105467.04
Client Sample I.D.				B16-S2-1	B16-S2-5	B14-S2-1	B14-S2-5
Date Sampled				07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1

Our Lab I.D.		Method Blank	105467.01	105467.02	105467.03	105467.04	
Client Sample I.D.			B16-S2-1	B16-S2-5	B14-S2-1	B14-S2-5	
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Date Prepared		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
Pyridine	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105467.01	105467.02	105467.03	105467.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
2-Fluorophenol	25-121	62.6	46.6	54.4	38.8	39.2	
2-Fluorobiphenyl	30-115	75.6	55.6	67.2	54.8	52.8	
Nitrobenzene-d5	23-120	62.4	47.6	55.2	37.8	46.4	
Phenol-d6	21-113	57.3	40.9	49.3	38.4	39.1	
p-Terphenyl-D14	18-137	72.0	55.2	64.8	53.6	54.0	
2,4,6-Tribromophenol	19-122	77.6	57.0	63.8	61.4	62.2	



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ANALYTICAL RESULTS

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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1

Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Client Sample I.D.			B14-S2-10	B15-S2-1	B15-S2-5	B15-S2-10	B4-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1

Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Client Sample I.D.			B14-S2-10	B15-S2-1	B15-S2-5	B15-S2-10	B4-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1

Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Client Sample I.D.			B14-S2-10	B15-S2-1	B15-S2-5	B15-S2-10	B4-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
Pyridine	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
2-Fluorophenol	25-121		39.8	34.6	34.2	56.4	37.4
2-Fluorobiphenyl	30-115		52.0	50.8	52.4	67.6	48.8
Nitrobenzene-d5	23-120		45.6	42.8	44.4	63.2	46.0
Phenol-d6	21-113		40.6	37.2	35.9	55.7	38.4
p-Terphenyl-D14	18-137		53.2	54.4	51.6	69.2	52.4
2,4,6-Tribromophenol	19-122		62.4	59.8	55.8	77.6	58.2



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Ordered By

LA County Dept. of Public Works
 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1

Our Lab I.D.			105467.10	105467.11	105467.12	105467.13	105467.14
Client Sample I.D.			B4-S2-5	B4-S2-10	B4-S2-15	B4-S2-20	B11-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/22/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1

Our Lab I.D.			105467.10	105467.11	105467.12	105467.13	105467.14
Client Sample I.D.			B4-S2-5	B4-S2-10	B4-S2-15	B4-S2-20	B11-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/22/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1

Our Lab I.D.			105467.10	105467.11	105467.12	105467.13	105467.14
Client Sample I.D.			B4-S2-5	B4-S2-10	B4-S2-15	B4-S2-20	B11-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/22/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
Pyridine	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.			105467.10	105467.11	105467.12	105467.13	105467.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
2-Fluorophenol	25-121		38.4	48.2	52.0	56.2	32.0
2-Fluorobiphenyl	30-115		49.6	60.4	62.8	65.2	52.0
Nitrobenzene-d5	23-120		58.0	63.6	72.4	82.8	63.6
Phenol-d6	21-113		39.6	50.7	55.2	55.2	32.4
p-Terphenyl-D14	18-137		52.8	66.0	63.6	64.8	63.6
2,4,6-Tribromophenol	19-122		60.8	70.4	73.8	75.4	56.8



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Ordered By

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 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1

Our Lab I.D.			105467.15	105467.16	105467.17		
Client Sample I.D.			B11-S2-5	B11-S2-10	B11-S2-15		
Date Sampled			07/17/2020	07/17/2020	07/17/2020		
Date Prepared			07/21/2020	07/21/2020	07/21/2020		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			07/22/2020	07/22/2020	07/22/2020		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Acenaphthene	0.25	0.50	ND	ND	ND		
Acenaphthylene	0.25	0.50	ND	ND	ND		
Anthracene	0.25	0.50	ND	ND	ND		
Azobenzene	0.25	0.50	ND	ND	ND		
Benzidine	0.25	0.50	ND	ND	ND		
Benzo(a)anthracene	0.25	0.50	ND	ND	ND		
Benzo(a)pyrene	0.25	0.50	ND	ND	ND		
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND		
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND		
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND		
Benzoic Acid	0.25	0.50	ND	ND	ND		
Benzyl Alcohol	0.25	0.50	ND	ND	ND		
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND		
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND		
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND		
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND		
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND		
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND		
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND		
4-Chloroaniline	0.25	0.50	ND	ND	ND		
2-Chloronaphthalene	0.25	0.50	ND	ND	ND		
2-Chlorophenol	0.25	0.50	ND	ND	ND		
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND		
Chrysene	0.25	0.50	ND	ND	ND		
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND	ND		
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND		



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1

Our Lab I.D.			105467.15	105467.16	105467.17		
Client Sample I.D.			B11-S2-5	B11-S2-10	B11-S2-15		
Date Sampled			07/17/2020	07/17/2020	07/17/2020		
Date Prepared			07/21/2020	07/21/2020	07/21/2020		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			07/22/2020	07/22/2020	07/22/2020		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Dibenzofuran	0.25	0.50	ND	ND	ND		
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND		
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND		
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND		
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND		
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND		
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND		
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND		
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND		
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND		
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND		
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND		
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND		
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND		
Fluoranthene	0.25	0.50	ND	ND	ND		
Fluorene	0.25	0.50	ND	ND	ND		
Hexachlorobenzene	0.25	0.50	ND	ND	ND		
Hexachlorobutadiene	0.25	0.50	ND	ND	ND		
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND		
Hexachloroethane	0.25	0.50	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND		
Isophorone	0.25	0.50	ND	ND	ND		
2-Methylnaphthalene	0.25	0.50	ND	ND	ND		
4-Methylphenol	0.25	0.50	ND	ND	ND		
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND		
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND		
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND		
Naphthalene	0.25	0.50	ND	ND	ND		
2-Nitroaniline	0.25	0.50	ND	ND	ND		
3-Nitroaniline	0.25	0.50	ND	ND	ND		
4-Nitroaniline	0.25	0.50	ND	ND	ND		
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND		
4-Nitrophenol	0.25	0.50	ND	ND	ND		
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND		



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1

Our Lab I.D.			105467.15	105467.16	105467.17		
Client Sample I.D.			B11-S2-5	B11-S2-10	B11-S2-15		
Date Sampled			07/17/2020	07/17/2020	07/17/2020		
Date Prepared			07/21/2020	07/21/2020	07/21/2020		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			07/22/2020	07/22/2020	07/22/2020		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND		
Pentachlorophenol	0.25	0.50	ND	ND	ND		
Phenanthrene	0.25	0.50	ND	ND	ND		
Phenol	0.25	0.50	ND	ND	ND		
Pyrene	0.25	0.50	ND	ND	ND		
Pyridine	0.25	0.50	ND	ND	ND		
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND		
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND		
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND		
Our Lab I.D.			105467.15	105467.16	105467.17		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
2-Fluorophenol	25-121		43.0	45.8	50.2		
2-Fluorobiphenyl	30-115		53.2	64.0	63.2		
Nitrobenzene-d5	23-120		44.0	53.6	53.2		
Phenol-d6	21-113		42.7	48.2	52.8		
p-Terphenyl-D14	18-137		54.8	75.2	80.0		
2,4,6-Tribromophenol	19-122		64.4	74.2	74.0		



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 072020B1

Our Lab I.D.			Method Blank	105467.01	105467.02	105467.03	105467.04
Client Sample I.D.				B16-S2-1	B16-S2-5	B14-S2-1	B14-S2-5
Date Sampled				07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	0.103J	ND
Our Lab I.D.			Method Blank	105467.01	105467.02	105467.03	105467.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		112	105	111	112	110



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 072020OB1

Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Client Sample I.D.			B14-S2-10	B15-S2-1	B15-S2-5	B15-S2-10	B4-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	0.124J	ND	ND
Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		110	105	110	106	107



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 072020B1

Our Lab I.D.			105467.10	105467.11	105467.12		
Client Sample I.D.			B4-S2-5	B4-S2-10	B4-S2-15		
Date Sampled			07/17/2020	07/17/2020	07/17/2020		
Date Prepared			07/20/2020	07/20/2020	07/20/2020		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			07/20/2020	07/20/2020	07/20/2020		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND		
Our Lab I.D.			105467.10	105467.11	105467.12		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Bromofluorobenzene	75-125		109	110	108		



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 072020B2

Our Lab I.D.			Method Blank	105467.13	105467.14	105467.15	105467.16
Client Sample I.D.				B4-S2-20	B11-S2-1	B11-S2-5	B11-S2-10
Date Sampled				07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	105467.13	105467.14	105467.15	105467.16
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		105	106	104	109	100



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 072020B2

Our Lab I.D.			105467.17			
Client Sample I.D.			B11-S2-15			
Date Sampled			07/17/2020			
Date Prepared			07/20/2020			
Preparation Method			5035A			
Date Analyzed			07/21/2020			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND			
Our Lab I.D.			105467.17			
Surrogates	%Rec.Limit		% Rec.			
Bromofluorobenzene	75-125		109			



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 072020DB1

Our Lab I.D.		Method Blank	105467.01	105467.02	105467.03	105467.04	
Client Sample I.D.			B16-S2-1	B16-S2-5	B14-S2-1	B14-S2-5	
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	
Date Prepared		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/20/2020	07/21/2020	07/20/2020	07/20/2020	07/20/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	1.89J	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	9.81	5.67
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	11.7	5.67
Our Lab I.D.		Method Blank	105467.01	105467.02	105467.03	105467.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125	95.5	107	106	89.7	102	



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 072020DB1

Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Client Sample I.D.			B14-S2-10	B15-S2-1	B15-S2-5	B15-S2-10	B4-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	1.85J	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	10.2	ND	ND	10.2
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	12.1	ND	ND	10.2
Our Lab I.D.			105467.05	105467.06	105467.07	105467.08	105467.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		103	102	104	104	107



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 072020DB1

Our Lab I.D.			105467.10	105467.11	105467.12	105467.13	105467.14
Client Sample I.D.			B4-S2-5	B4-S2-10	B4-S2-15	B4-S2-20	B11-S2-1
Date Sampled			07/17/2020	07/17/2020	07/17/2020	07/17/2020	07/17/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	14.8
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	14.8
Our Lab I.D.			105467.10	105467.11	105467.12	105467.13	105467.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		102	104	101	102	109



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 072020DB1

Our Lab I.D.			105467.15	105467.16	105467.17		
Client Sample I.D.			B11-S2-5	B11-S2-10	B11-S2-15		
Date Sampled			07/17/2020	07/17/2020	07/17/2020		
Date Prepared			07/20/2020	07/20/2020	07/20/2020		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			07/21/2020	07/21/2020	07/21/2020		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	16.2	1.36J		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	16.2	1.36J		
Our Lab I.D.			105467.15	105467.16	105467.17		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Chlorobenzene	75-125		102	105	100		



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: B0G0349; Dup or Spiked Sample: 105467.01; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/20/2020;
 Units: ug/Kg

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Perchlorate	500	530	106	500	540	108	1.9	70-130	<30

QC Batch No: B0G0349; Dup or Spiked Sample: 105467.01; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/20/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit
Perchlorate	500	535	107	80-120



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0720202C7; Dup or Spiked Sample: 105467.01; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/21/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	51.5	103	50.0	52.5	105	1.9	75-125	<15
Arsenic	2.58	50.0	51.9	98.6	50.0	53.6	102	3.4	75-125	<15
Barium	69.8	50.0	116	92.4	50.0	117	94.4	2.1	75-125	<15
Beryllium	0.00	50.0	52.5	105	50.0	53.0	106	<1	75-125	<15
Cadmium	2.23	50.0	48.6	92.7	50.0	48.7	92.9	<1	75-125	<15
Chromium	11.2	50.0	62.2	102	50.0	62.2	102	<1	75-125	<15
Cobalt	7.13	50.0	55.7	97.1	50.0	55.9	97.5	<1	75-125	<15
Copper	14.0	50.0	67.0	106	50.0	67.5	107	<1	75-125	<15
Lead	10.3	50.0	55.8	91.0	50.0	56.4	92.2	1.3	75-125	<15
Mercury (By EPA 7471)	0.290	0.500	0.726	87.2	0.500	0.724	86.8	<1	75-125	<15
Molybdenum	2.00	50.0	52.0	100	50.0	52.0	100	<1	75-125	<15
Nickel	6.88	50.0	53.7	93.6	50.0	53.7	93.6	<1	75-125	<15
Selenium	0.00	50.0	46.2	92.4	50.0	45.9	91.8	<1	75-125	<15
Silver	0.00	50.0	45.6	91.2	50.0	46.2	92.4	1.3	75-125	<15
Thallium	0.00	50.0	28.5 M	57.0	50.0	31.2 M	62.4	9.0	75-125	<15
Vanadium	31.6	50.0	81.1	99.0	50.0	82.1	101	2.0	75-125	<15
Zinc	53.1	50.0	105	104	50.0	105	104	<1	75-125	<15

QC Batch No: 0720202C7; Dup or Spiked Sample: 105467.01; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/21/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Antimony	50.0	56.5	113	50.0	57.1	114	<1	75-125	<15
Arsenic	50.0	56.0	112	50.0	55.8	112	<1	75-125	<15
Barium	50.0	53.9	108	50.0	52.9	106	1.9	75-125	<15
Beryllium	50.0	54.9	110	50.0	55.3	111	<1	75-125	<15
Cadmium	50.0	54.2	108	50.0	53.6	107	<1	75-125	<15
Chromium	50.0	56.1	112	50.0	55.9	112	<1	75-125	<15
Cobalt	50.0	54.5	109	50.0	53.5	107	1.9	75-125	<15
Copper	50.0	55.0	110	50.0	53.4	107	2.8	75-125	<15



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0720202C7; Dup or Spiked Sample: 105467.01; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/21/2020;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	55.8	112	50.0	55.1	110	1.8	75-125	<15	
Mercury (By EPA 7471)	0.500	0.530	106	0.500	0.525	105	<1	75-125	<15	
Molybdenum	50.0	56.1	112	50.0	56.0	112	<1	75-125	<15	
Nickel	50.0	53.5	107	50.0	52.5	105	1.9	75-125	<15	
Selenium	50.0	56.7	113	50.0	57.5	115	1.8	75-125	<15	
Silver	50.0	51.5	103	50.0	53.4	107	3.8	75-125	<15	
Thallium	50.0	56.1	112	50.0	55.7	111	<1	75-125	<15	
Vanadium	50.0	54.5	109	50.0	53.2	106	2.8	75-125	<15	
Zinc	50.0	55.3	111	50.0	54.6	109	1.8	75-125	<15	



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 072020EB1; Dup or Spiked Sample: 105467.05; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/20/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	21.2	106	20.0	20.0	100	5.8	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	55.0	110	50.0	57.5	115	4.4	40-150	<40
Dieldrin	0.00	50.0	54.5	109	50.0	51.0	102	6.6	40-150	<40
Endrin	0.00	50.0	59.0	118	50.0	57.0	114	3.4	40-150	<40
Heptachlor	0.00	20.0	21.8	109	20.0	20.8	104	4.7	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	19.7	98.5	20.0	19.0	95.0	3.6	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	30.0	120	25.0	28.0	112	6.9	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	26.0	104	25.0	25.3	101	2.9	30-150	<40

QC Batch No: 072020EB1; Dup or Spiked Sample: 105467.05; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/20/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aldrin	20.0	21.1	106	20.0	18.9	94.5	11.5	50-150	<40
4,4'-DDT (DDT)	50.0	55.8	112	50.0	46.1	92.2	19.4	50-150	<40
Dieldrin	50.0	53.9	108	50.0	47.8	95.6	12.2	50-150	<40
Endrin	50.0	49.9	99.8	50.0	46.1	92.2	7.9	50-150	<40
Heptachlor	20.0	21.0	105	20.0	19.2	96.0	9.0	50-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	20.0	100	20.0	18.0	90.0	10.5	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	29.5	118	25.0	26.5	106	10.7	30-150	<40
Tetrachloro-m-xylene	25.0	26.7	107	25.0	25.6	102	4.8	30-150	<40



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 072020ZB1; Dup or Spiked Sample: 105467.08; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/20/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	358	71.6	500	356	71.2	<1	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	463	92.6	500	462	92.4	<1	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	18.3	73.2	25.0	20.2	80.8	9.9	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	22.7	90.8	25.0	22.7	90.8	<1	30-150	<40

QC Batch No: 072020ZB1; Dup or Spiked Sample: 105467.08; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/20/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aroclor-1016 (PCB-1016)	500	350	70.0	500	315	63.0	10.5	50-150	<40
Aroclor-1260 (PCB-1260)	500	302	60.4	500	303	60.6	<1	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	27.9	112	25.0	26.0	104	7.4	30-150	<40
Tetrachloro-m-xylene	25.0	23.8	95.2	25.0	24.7	98.8	3.7	30-150	<40



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1; Dup or Spiked Sample: 105467.14; LCS: Clean Sand; QC Prepared: 07/20/2020; MS Analyzed: 07/21/2020;
 LCS Analyzed: 07/20/2020; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	35.9 M	71.7	50.0	35.4 M	70.7	1.4	75-125	<20
Chlorobenzene	0.00	50.0	37.3 M	74.6	50.0	36.5 M	73.0	2.2	75-125	<20
1,1-Dichloroethene	0.00	50.0	37.2 M	74.4	50.0	37.8	75.6	1.6	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	37.3 M	74.6	50.0	37.2 M	74.4	<1	75-125	<20
Trichloroethene	0.00	50.0	37.6	75.2	50.0	36.5 M	73.0	3.0	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	38.5	77.0	50.0	39.5	79.0	2.6	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	45.5	90.9	50.0	46.7	93.4	2.7	75-125	<20
Dibromofluoromethane	0.00	50.0	51.5	103	50.0	51.5	103	<1	75-125	<20
Toluene-d8	0.00	50.0	51.5	103	50.0	52.5	105	1.9	75-125	<20

QC Batch No: 0720201A1; Dup or Spiked Sample: 105467.14; LCS: Clean Sand; QC Prepared: 07/20/2020; MS Analyzed: 07/21/2020;
 LCS Analyzed: 07/20/2020; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Benzene	50.0	58.3	117	50.0	57.2	114	2.6	75-125	<20
Chlorobenzene	50.0	53.2	106	50.0	51.4	103	2.9	75-125	<20
1,1-Dichloroethene	50.0	59.4	119	50.0	59.8	120	<1	75-125	<20
Toluene (Methyl benzene)	50.0	51.8	104	50.0	50.1	100	3.9	75-125	<20
Trichloroethene	50.0	59.0	118	50.0	57.7	115	2.6	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	59.7	119	50.0	61.7	123	3.3	75-125	<20
LCS									
Chloroform (Trichloromethane)	50.0	61.1	122	50.0	62.3	125	2.4	75-125	<20
Ethylbenzene	50.0	52.8	106	50.0	50.7	101	4.8	75-125	<20
1,1,1-Trichloroethane	50.0	57.5	115	50.0	56.7	113	1.8	75-125	<20
o-Xylene	50.0	54.0	108	50.0	51.9	104	3.8	75-125	<20
m,p-Xylenes	100	109	109	100	105	105	3.7	75-125	<20
Surrogates									
Bromofluorobenzene	50.0	42.0	84.0	50.0	42.1	84.1	<1	75-125	<20
Dibromofluoromethane	50.0	58.1	116	50.0	58.6	117	<1	75-125	<20



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720201A1; Dup or Spiked Sample: 105467.14; LCS: Clean Sand; QC Prepared: 07/20/2020; MS Analyzed: 07/21/2020;
LCS Analyzed: 07/20/2020; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	46.2	92.4	50.0	46.1	92.2	<1	75-125	<20	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1; Dup or Spiked Sample: 105467.06; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/21/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	3.49	50.0	19.7 M	32.4	50.0	35.4 M	63.8	65.3	75-125	<20
Chlorobenzene	0.00	50.0	20.0 M	40.0	50.0	30.4 M	60.8	41.3	75-125	<20
1,1-Dichloroethene	0.00	50.0	13.9 M	27.8	50.0	35.4 M	70.8	87.2	75-125	<20
Toluene (Methyl benzene)	2.53	50.0	20.4 M	35.7	50.0	35.9 M	66.7	60.5	75-125	<20
Trichloroethene	0.00	50.0	16.5 M	33.0	50.0	32.4 M	64.8	65.0	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	33.1 M	66.2	50.0	35.7 M	71.4	7.6	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	45.8	91.5	50.0	46.0	92.0	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	51.5	103	50.0	51.5	103	<1	75-125	<20
Toluene-d8	0.00	50.0	53.0	106	50.0	54.0	108	1.9	75-125	<20

QC Batch No: 0721201A1; Dup or Spiked Sample: 105467.06; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/21/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Benzene	50.0	48.6	97.2	50.0	48.3	96.6	<1	75-125	<20
Chlorobenzene	50.0	51.2	102	50.0	51.3	103	<1	75-125	<20
1,1-Dichloroethene	50.0	46.8	93.6	50.0	47.2	94.4	<1	75-125	<20
Toluene (Methyl benzene)	50.0	50.2	100	50.0	50.2	100	<1	75-125	<20
Trichloroethene	50.0	49.1	98.2	50.0	47.6	95.0	3.3	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	49.5	99.0	50.0	49.5	99.0	<1	75-125	<20
LCS									
Chloroform (Trichloromethane)	50.0	49.1	98.2	50.0	48.9	97.8	<1	75-125	<20
Ethylbenzene	50.0	50.2	100	50.0	50.5	101	<1	75-125	<20
1,1,1-Trichloroethane	50.0	48.4	96.8	50.0	48.1	96.2	<1	75-125	<20
o-Xylene	50.0	52.3	105	50.0	52.6	105	<1	75-125	<20
m,p-Xylenes	100	103	103	100	103	103	<1	75-125	<20
Surrogates									
Bromofluorobenzene	50.0	44.5	89.1	50.0	44.6	89.2	<1	75-125	<20
Dibromofluoromethane	50.0	52.4	105	50.0	52.0	104	<1	75-125	<20



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0721201A1; Dup or Spiked Sample: 105467.06; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/21/2020;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	50.9	102	50.0	50.9	102	<1	75-125	<20	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1; Dup or Spiked Sample: 105467.08; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/21/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Acenaphthene	0.00	2.50	1.57	62.8	2.50	1.57	62.8	<1	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	3.32	66.4	5.00	3.30	66.0	<1	39-98	<20
2-Chlorophenol	0.00	5.00	3.08	61.6	5.00	3.01	60.2	2.3	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	1.57	62.8	2.50	1.54	61.6	1.9	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	2.03	81.2	2.50	1.98	79.2	2.5	50-140	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	1.88	75.2	2.50	1.55	62.0	19.2	41-116	<20
4-Nitrophenol	0.00	5.00	2.43	48.6	5.00	2.31	46.2	5.1	10-110	<20
Pentachlorophenol	0.00	5.00	3.78	75.6	5.00	3.51	70.2	7.4	40-125	<20
Phenol	0.00	5.00	2.33	46.5	5.00	2.28	45.5	2.2		
Pyrene	0.00	2.50	1.59	63.6	2.50	1.46	58.4	8.5	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	1.87	74.8	2.50	1.87	74.8	<1	39-98	<20
Surrogates										
2-Fluorophenol	0.00	5.00	2.79	55.8	5.00	2.76	55.2	1.1	25-121	<20
2-Fluorobiphenyl	0.00	2.50	1.48	59.2	2.50	1.60	64.0	7.8	30-115	<20
Nitrobenzene-d5	0.00	2.50	1.42	56.8	2.50	1.38	55.2	2.9	23-120	<20
p-Terphenyl-D14	0.00	2.50	1.64	65.6	2.50	1.50	60.0	8.9	18-137	<20
Phenol-d6	0.00	5.00	2.70	53.9	5.00	2.64	52.7	2.3	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	3.81	76.2	5.00	3.73	74.6	2.1	19-122	<20

QC Batch No: 072120JB1; Dup or Spiked Sample: 105467.08; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/21/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Acenaphthene	2.50	1.69	67.6	2.50	1.74	69.6	2.9	31-137	<20
4-Chloro-3-methylphenol	5.00	3.56	71.2	5.00	4.51	90.2	23.5	40-99	<20
2-Chlorophenol	5.00	3.46	69.2	5.00	3.32	66.4	4.1	25-102	<20
1,4-Dichlorobenzene	5.00	3.51	70.2	5.00	3.37	67.3	4.2	28-104	<20
2,4-Dinitrotoluene	2.50	2.16	86.4	2.50	2.07	82.8	4.3	50-140	<20
N-Nitroso-Di-n-propylamine	2.50	2.13	85.2	2.50	1.77	70.8	18.5	41-126	<20
4-Nitrophenol	5.00	2.34	46.8	5.00	2.71	54.2	14.7	11-114	<20



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QUALITY CONTROL RESULTS

Page: 71

Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072120JB1; Dup or Spiked Sample: 105467.08; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/21/2020;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Pentachlorophenol	5.00	3.53	70.6	5.00	3.90	78.0	10.0	17-125	<20	
Phenol	5.00	2.69	53.8	5.00	2.54	50.8	5.7	26-90	<20	
Pyrene	2.50	1.88	75.2	2.50	1.72	68.8	8.9	35-142	<20	
1,2,4-Trichlorobenzene	2.50	2.00	80.0	2.50	2.51	100	22.2	38-107	<20	
Surrogates										
2-Fluorophenol	5.00	3.23	64.6	5.00	3.09	61.8	4.4	25-121	<20	
2-Fluorobiphenyl	2.50	1.68	67.2	2.50	1.75	70.0	4.1	30-115	<20	
Nitrobenzene-d5	2.50	1.57	62.8	2.50	1.87	74.8	17.4	23-120	<20	
p-Terphenyl-D14	2.50	1.89	75.6	2.50	1.82	72.8	3.8	18-137	<20	
Phenol-d6	5.00	3.11	62.1	5.00	2.91	58.1	6.7	24-113	<20	
2,4,6-Tribromophenol	5.00	3.87	77.4	5.00	4.11	82.2	6.0	19-122	<20	



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QUALITY CONTROL RESULTS

Ordered By

LA County Dept. of Public Works
 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 72

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 072020DB1; Dup or Spiked Sample: 105467.05; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/20/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	530	106	500	520	104	1.9	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	95.7	95.7	100	98.7	98.7	3.1	75-125	<20

QC Batch No: 072020DB1; Dup or Spiked Sample: 105467.05; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/20/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	519	104	75-125						
Surrogates										
Chlorobenzene	100	90.1	90.1	75-125						



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QUALITY CONTROL RESULTS

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LA County Dept. of Public Works
 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 73

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 072020OB1; Dup or Spiked Sample: 105467.03AG; LCS: Clean Sand; QC Prepared: 07/20/2020; MS Analyzed: 07/21/2020;
 LCS Analyzed: 07/20/2020; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.103	1.00	0.889	78.6	1.00	0.881	77.8	1.0	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0545	109	0.0500	0.0570	114	4.5	75-125	<20

QC Batch No: 072020OB1; Dup or Spiked Sample: 105467.03AG; LCS: Clean Sand; QC Prepared: 07/20/2020; MS Analyzed: 07/21/2020;
 LCS Analyzed: 07/20/2020; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.810	80.9	1.00	0.810	81.1	<1	75-125	<20
Surrogates									
Bromofluorobenzene	0.0500	0.0526	105	0.0500	0.0539	108	2.8	75-125	<20



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QUALITY CONTROL RESULTS

Ordered By

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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 74

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor

AETL Job Number	Submitted	Client
105467	07/17/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 072020OB2; LCS: Clean Sand; LCS Prepared: 07/20/2020; LCS Analyzed: 07/21/2020; Units: mg/Kg

Analytes	LCS	LCS	LCS	LCS DUP	LCS DUP	LCS DUP	LCS RPD	LCS/LCSD	LCS RPD	
	Concen	Recov	% REC	Concen	Recov	% REC	% REC	% Limit	% Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.810	81.2	1.00	0.800	80.1	1.4	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0516	103	0.0500	0.0522	104	<1	75-125	<20	



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Data Qualifiers and Descriptors

Data Qualifier:

- #: Recovery is not within acceptable control limits.
- *: In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
- B: Analyte was present in the Method Blank.
- D: Result is from a diluted analysis.
- E: Result is beyond calibration limits and is estimated.
- H: Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
- J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- M: Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
- MCL: Maximum Contaminant Level
- NS: No Standard Available
- S6: Surrogate recovery is outside control limits due to matrix interference.
- S8: The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
- X: Results represent LCS and LCSD data.

Definition:

- %Limi: Percent acceptable limits.
- %REC: Percent recovery.
- Con.L: Acceptable Control Limits
- Conce: Added concentration to the sample.
- LCS: Laboratory Control Sample
- MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference


ADVANCED TECHNOLOGY
LABORATORIES

July 22, 2020

Jim Lin
AETL
2834 North Naomi Street
Burbank, CA 91504
Tel: (818) 845-8200
Fax: (818) 845-8840

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2001725
Client Reference : 105467

Enclosed are the results for sample(s) received on July 20, 2020 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Dr. Reza Karimi
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

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Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105467
Report To : Jim Lin
Reported : 07/22/2020

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
105467.01	2001725-01	Soil	7/17/20 8:50	7/20/20 11:10
105467.02	2001725-02	Soil	7/17/20 9:00	7/20/20 11:10
105467.03	2001725-03	Soil	7/17/20 9:20	7/20/20 11:10
105467.04	2001725-04	Soil	7/17/20 9:30	7/20/20 11:10
105467.05	2001725-05	Soil	7/17/20 9:40	7/20/20 11:10
105467.06	2001725-06	Soil	7/17/20 10:00	7/20/20 11:10
105467.07	2001725-07	Soil	7/17/20 10:10	7/20/20 11:10
105467.08	2001725-08	Soil	7/17/20 10:20	7/20/20 11:10
105467.09	2001725-09	Soil	7/17/20 11:00	7/20/20 11:10
105467.10	2001725-10	Soil	7/17/20 11:10	7/20/20 11:10
105467.11	2001725-11	Soil	7/17/20 11:20	7/20/20 11:10
105467.12	2001725-12	Soil	7/17/20 12:50	7/20/20 11:10
105467.13	2001725-13	Soil	7/17/20 13:00	7/20/20 11:10
105467.14	2001725-14	Soil	7/17/20 14:10	7/20/20 11:10
105467.15	2001725-15	Soil	7/17/20 14:20	7/20/20 11:10
105467.16	2001725-16	Soil	7/17/20 14:30	7/20/20 11:10
105467.17	2001725-17	Soil	7/17/20 14:40	7/20/20 11:10



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105467
Report To : Jim Lin
Reported : 07/22/2020

Client Sample ID: 105467.01

Lab ID: 2001725-01

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 16:51	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105467
Report To : Jim Lin
Reported : 07/22/2020

Client Sample ID: 105467.02

Lab ID: 2001725-02

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 17:14	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105467
Report To : Jim Lin
Reported : 07/22/2020

Client Sample ID: 105467.03

Lab ID: 2001725-03

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 17:37	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105467
Report To : Jim Lin
Reported : 07/22/2020

Client Sample ID: 105467.04
Lab ID: 2001725-04

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 18:00	



Certificate of Analysis

AETL

2834 North Naomi Street

Burbank , CA 91504

Project Number : 105467

Report To : Jim Lin

Reported : 07/22/2020

Client Sample ID: 105467.05

Lab ID: 2001725-05

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 18:23	



Certificate of Analysis

AETL	Project Number : 105467
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/22/2020

Client Sample ID: 105467.06

Lab ID: 2001725-06

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 18:46	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105467
Report To : Jim Lin
Reported : 07/22/2020

Client Sample ID: 105467.07
Lab ID: 2001725-07

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 19:09	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105467
Report To : Jim Lin
Reported : 07/22/2020

Client Sample ID: 105467.08

Lab ID: 2001725-08

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 19:32	



Certificate of Analysis

AETL	Project Number : 105467
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/22/2020

Client Sample ID: 105467.09

Lab ID: 2001725-09

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 19:55	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105467
Report To : Jim Lin
Reported : 07/22/2020

Client Sample ID: 105467.10
Lab ID: 2001725-10

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 20:18	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105467
Report To : Jim Lin
Reported : 07/22/2020

Client Sample ID: 105467.11
Lab ID: 2001725-11

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 22:35	



Certificate of Analysis

AETL	Project Number : 105467
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/22/2020

Client Sample ID: 105467.12

Lab ID: 2001725-12

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 22:58	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : 105467
Report To : Jim Lin
Reported : 07/22/2020

Client Sample ID: 105467.13
Lab ID: 2001725-13

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 23:21	



Certificate of Analysis

AETL	Project Number : 105467
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/22/2020

Client Sample ID: 105467.14

Lab ID: 2001725-14

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/20/20 23:44	



Certificate of Analysis

AETL	Project Number : 105467
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/22/2020

Client Sample ID: 105467.15

Lab ID: 2001725-15

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/21/20 00:07	



Certificate of Analysis

AETL
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Burbank, CA 91504

Project Number : 105467
Report To : Jim Lin
Reported : 07/22/2020

Client Sample ID: 105467.16

Lab ID: 2001725-16

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/21/20 00:30	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : 105467
Report To : Jim Lin
Reported : 07/22/2020

Client Sample ID: 105467.17

Lab ID: 2001725-17

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0349	07/20/2020	07/21/20 00:52	



Certificate of Analysis

AETL 2834 North Naomi Street Burbank , CA 91504	Project Number : 105467 Report To : Jim Lin Reported : 07/22/2020
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QUALITY CONTROL SECTION

Perchlorate by Ion Chromatography EPA 314 (Modified) - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
Batch B0G0349 - Prep_IC2_S										
Blank (B0G0349-BLK1)					Prepared: 7/20/2020 Analyzed: 7/20/2020					
Perchlorate	ND	20	9.2							
LCS (B0G0349-BS1)					Prepared: 7/20/2020 Analyzed: 7/20/2020					
Perchlorate	537.217	20	9.2	500.000		107	85 - 115			
Duplicate (B0G0349-DUP1)					Source: 2001725-10 Prepared: 7/20/2020 Analyzed: 7/20/2020					
Perchlorate	ND	20	9.2		ND				15	
Duplicate (B0G0349-DUP2)					Source: 2001725-17 Prepared: 7/20/2020 Analyzed: 7/21/2020					
Perchlorate	ND	20	9.2		ND				15	
Matrix Spike (B0G0349-MS1)					Source: 2001725-10 Prepared: 7/20/2020 Analyzed: 7/20/2020					
Perchlorate	532.169	20	9.2	500.000	ND	106	80 - 120			
Matrix Spike (B0G0349-MS2)					Source: 2001725-17 Prepared: 7/20/2020 Analyzed: 7/21/2020					
Perchlorate	510.202	20	9.2	500.000	ND	102	80 - 120			
Matrix Spike Dup (B0G0349-MSD1)					Source: 2001725-10 Prepared: 7/20/2020 Analyzed: 7/20/2020					
Perchlorate	538.472	20	9.2	500.000	ND	108	80 - 120	1.18	15	
Matrix Spike Dup (B0G0349-MSD2)					Source: 2001725-17 Prepared: 7/20/2020 Analyzed: 7/21/2020					
Perchlorate	492.194	20	9.2	500.000	ND	98.4	80 - 120	3.59	15	



Certificate of Analysis

AETL

2834 North Naomi Street
Burbank, CA 91504

Project Number : 105467

Report To : Jim Lin

Reported : 07/22/2020

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

CHAIN OF CUSTODY RECORD

Page 1 of 1
Instruction: Complete all shaded areas.

Method of Transport		Condition	
<input type="checkbox"/> Client	<input type="checkbox"/> ATL	<input type="checkbox"/> Y	<input type="checkbox"/> N
<input type="checkbox"/> FedEx	<input type="checkbox"/> Onsite	<input type="checkbox"/> Y	<input type="checkbox"/> N
<input type="checkbox"/> GSD	<input type="checkbox"/> Other	<input type="checkbox"/> Y	<input type="checkbox"/> N
1. CHILLED		5. # OF SAMPLES MATCH COC	
2. HEADSPACE (N/A)		6. PRESERVED	
3. CONTAINER INTACT		7. COOLER TEMP. deg. C	
4. SEALED		8. Y/N	

Company: **ACTL** SEND REPORT TO: _____ Email: _____
 Attn: **Jimlin** SEND INVOICE TO: _____ Email: _____
 Company: **ACTL**
 Address: **8334 N. Naam St Burbank** City: **Burbank** State: **CA** Zip: **91504** Tel: **818-895-8890**
 City: **Burbank** State: **CA** Zip: **91504** City: _____ State: _____ Zip: _____
 Project Name: **105467** Quote #: _____
 Project No.: **105467** PO #: **3187256**
 Sampler: **RL**

ITEM	Lab ID (for Lab Use Only)	Sample ID	Sample Description	Location	Date	Time	Perchlorate	Requested Analysis	Sample Matrix	Container	Remarks
1	01	105467.01			07/17/08	0850	X		SOIL	21514	
2	02	105467.02			0900						
3	03	105467.03			0920						
4	04	105467.04			0930						
5	05	105467.05			0940						
6	06	105467.06			1000						
7	07	105467.07			1010						
8	08	105467.08			1020						
9	09	105467.09			1100						
10	10	105467.10			1110						

(Special Instructions, Comments, Notes, etc.)

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
<i>[Signature]</i>	7/20/08	1110	<i>[Signature]</i>	7/20/08	1110

CHAIN OF CUSTODY RECORD

Page 2 of 1

Instruction: Complete all shaded areas.

For Laboratory Use Only
 ATL/COC Ver: 20200320
 Sample Conditions Upon Receipt

Method of Transport	Client	ATL	Condition	Y	N
	Feder	OnSite	5. # of SAMPLES MATCH DOC	Y	N
	Other		6. PRESERVED		
			7. CONTAINER INTACT		
			8. SEALED		
			9. COOLING TEMP. TAG C:		

CUSTOMER

Company: ACTC
 Address: 1834 N. Naam St, Burbank
 City: Burbank State: CA Zip: 91504
 Project Name: 105467
 Project No: 105467
 Sampler: RL
 Quote #: 31872
 PO#: 91872

SEND REPORT TO: _____ Email: _____
 SEND INVOICE TO: _____ Email: _____

Method of Transport: Client ATL Feder OnSite Other

Condition: Y N

5. # of SAMPLES MATCH DOC: Y N

6. PRESERVED: Y N

7. CONTAINER INTACT: Y N

8. SEALED: Y N

9. COOLING TEMP. TAG C: Y N

EDS: Eikel EDI Edus

QA/QC: Routine Calltrans Legal RMOQB Level IV

PROJECT SAMPLES

ITEM	Lab ID (For Lab Use Only)	Sample ID	Location	Date	Time	Requested Analysis	Sample Matrix	Container	Turnaround Time (TAT)	Quantity	Material	Preservative	Remarks
1	105467	11		2/17/19	11:00	Perchlorate			2	15			
2	105467	11		2/17/19	11:00				2	15			
3	105467	11		2/17/19	11:00				2	15			
4	105467	14		2/17/19	11:00				2	15			
5	105467	15		2/17/19	11:00				2	15			
6	105467	16		2/17/19	11:00				2	15			
7	105467	17		2/17/19	11:00				2	15			
8	105467	17		2/17/19	11:00				2	15			
9													
10													

(Special Instructions, Comments, Notes, etc.)

MISC

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____
 Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____

Received by: (Signature and Printed Name) _____ Date: _____ Time: _____
 Received by: (Signature and Printed Name) _____ Date: _____ Time: _____



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Number of Pages 1
Date Received 07/17/2020
Date Reported 07/23/2020

Telephone: (626)458-4923
Attention: Greg Sena

Job Number	Order Date	Client
105467	07/17/2020	LACDPW

Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor
Site: Devil's Gate Reservoir

Enclosed please find results of analyses of 17 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 7 pages

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Vice President



AMERICAN ENVIRONMENTAL TESTING LABORATORY
 2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP # 1541 LACSD# 10181
 TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

A KYZER LABS COMPANY

COMPANY LACo Public Works
PROJECT MANAGER Gregory Serra / Ricardo Lopez
COMPANY ADDRESS 900 S. Fremont Ave
 Alhambra, CA 91803
 PHONE 626.458.4923
 EMAIL 626.458.4913
PROJECT NAME Devil's Gate Reservoir Restoration HF00710004
SITE NAME AND ADDRESS Devil's Gate Reservoir
 PO #

BBS60160
 CHAIN OF CUSTODY RECORD
 119377

AETL JOB No. 105467 Page 2 of 2

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS	
							11122 Metals	80814	8270C	TPH-G	8015*	TPH-OH	8015*	PCB's	8082	VOC's + Oxy's		826B
1	B11-52-10	7-17-20	14:30	Soil	4 vials / 28mJ	Ice/V.	X	X	X	X	X	X	X	X	X	X	X	
2	B11-52-15	7-17-20	14:40				X	X	X	X	X	X	X	X	X	X	X	
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

TOTAL NUMBER OF CONTAINERS: 12

BILLING INFORMATION / SPECIAL INSTRUCTIONS

TURN AROUND TIME

NORMAL SAME DAY RUSH NEXT DAY RUSH 4 DAYS RUSH

2 DAYS RUSH 3 DAYS RUSH 4 DAYS RUSH

DATA DELIVERABLE REQUIRED

HARD COPY E-COPY GEOTRACKER (GLOBAL ID) OTHER (PLEASE SPECIFY)

RELINQUISHED BY SAMPLER:	RELINQUISHED BY:	RELINQUISHED BY:
Signature: [Signature] Printed Name: R. Lopez Date: 7-17-20 Time: 16:00	Signature: [Signature] Printed Name: [Signature] Date: 7-20-20 Time: 17:00	Signature: [Signature] Printed Name: [Signature] Date: 7-17-20 Time: 17:25

RECEIVED BY: 1. [Signature] Date: 7-17-20 Time: 16:00
 2. [Signature] Date: 7-20-20 Time: 17:00
 3. [Signature] Date: 7-17-20 Time: 17:25

RECEIVED BY LABORATORY: 1. [Signature] Date: 7-17-20 Time: 16:00
 2. [Signature] Date: 7-20-20 Time: 17:00
 3. [Signature] Date: 7-17-20 Time: 17:25

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



A KYZER LABS COMPANY

AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 N. NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP# 1541 & 2402 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: <u>LACPW</u>			
Project Name:			
AETL Job Number: <u>105467</u>			
Date Received: <u>07/17/20</u>		Received by: <u>Ant</u>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input checked="" type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.2</u> °C, No 2: <u>3.3</u> °C, No 3:			
Type of sample containers: <input checked="" type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify): <u>17x 5035 kits</u>			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input checked="" type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify): <u>NaHSO₄H₂O</u>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	Y		
2. Are the Sample labels legible?	Y		
3. Do samples match the COC?	Y		
4. Are the required analyses clear?	Y		
5. Is there enough samples for required analysis?	Y		
6. Are samples sealed with evidence tape?	Y		
7. Are sample containers in good condition?	Y		
8. Are samples preserved?	Y		
9. Are samples preserved properly for the intended analysis?	Y		
10. Are the VOAs free of headspace?	N/A		
11. Are the jars free of headspace?	Y		

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.

Explain all "No" answers for above questions:

Work Orders: 0G20058

Project: 105467

Attn: Jim Lin

Client: American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Report Date: 7/22/2020

Received Date: 7/20/2020

Turnaround Time: 2 workdays

Phones: (818) 845-8200

Fax: (818) 845-8840

P.O. #: Sub-31871

Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO17025 ANAB #L2457.01 • LAC5D #10143 • NELAP-OR #4047 •
NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Jim Lin,

Enclosed are the results of analyses for samples received 7/20/20 with the Chain-of-Custody document. The samples were received in good condition, at 5.8 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:



Regina M. Giancola
Project Manager





WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105467

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/22/2020 17:08

Sample Summary

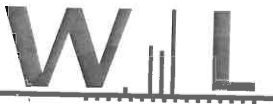
Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
105467.02	RL	0G20058-01	Solid	07/17/20 09:00	
105467.01	RL	0G20058-02	Solid	07/17/20 08:50	
105467.03	RL	0G20058-03	Solid	07/17/20 09:20	
105467.04	RL	0G20058-04	Solid	07/17/20 09:30	
105467.05	RL	0G20058-05	Solid	07/17/20 09:40	
105467.06	RL	0G20058-06	Solid	07/17/20 10:00	
105467.07	RL	0G20058-07	Solid	07/17/20 10:10	
105467.08	RL	0G20058-08	Solid	07/17/20 10:20	
105467.09	RL	0G20058-09	Solid	07/17/20 11:00	
105467.10	RL	0G20058-10	Solid	07/17/20 11:10	
105467.11	RL	0G20058-11	Solid	07/17/20 11:20	
105467.12	RL	0G20058-12	Solid	07/17/20 12:50	
105467.13	RL	0G20058-13	Solid	07/17/20 13:00	
105467.14	RL	0G20058-14	Solid	07/17/20 14:10	
105467.15	RL	0G20058-15	Solid	07/17/20 14:20	
105467.16	RL	0G20058-16	Solid	07/17/20 14:30	
105467.17	RL	0G20058-17	Solid	07/17/20 14:40	

Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
EPA 547M in Solid Glyphosate	1071-83-6	✓	

Certificate of Analysis

FINAL REPORT



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105467

Project Manager: Jim Lin

Reported:
07/22/2020 17:08

Sample Results

Sample:	Result	MRL	Units	Dil	Analyzed	Qualifier
105467.02 OG20058-01 (Solid)					07/17/20 9:00	by RL
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G1030 Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0	mg/kg	1	Analyst: jna 07/21/20	
105467.01 OG20058-02 (Solid)					07/17/20 8:50	by RL
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G1030 Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0	mg/kg	1	Analyst: jna 07/21/20	
105467.03 OG20058-03 (Solid)					07/17/20 9:20	by RL
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G1030 Instr: LC10 ND	Prepared: 07/20/20 21:38 0.010	mg/kg	1	Analyst: jna 07/21/20	
105467.04 OG20058-04 (Solid)					07/17/20 9:30	by RL
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G1030 Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0	mg/kg	1	Analyst: jna 07/21/20	
105467.05 OG20058-05 (Solid)					07/17/20 9:40	by RL
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G1030 Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0	mg/kg	1	Analyst: jna 07/21/20	
105467.06 OG20058-06 (Solid)					07/17/20 10:00	by RL
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G1030 Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0	mg/kg	1	Analyst: jna 07/21/20	



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105467

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/22/2020 17:08

Sample Results

(Continued)

Sample: 105467.07
OG20058-07 (Solid)

Sampled: 07/17/20 10:10 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Glyphosate by EPA 547

Method: EPA 547M Glyphosate	Batch ID: W0G1030	Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0 mg/kg	Dil: 1	Analyst: jna 07/21/20	
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Sample: 105467.08
OG20058-08 (Solid)

Sampled: 07/17/20 10:20 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Glyphosate by EPA 547

Method: EPA 547M Glyphosate	Batch ID: W0G1030	Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0 mg/kg	Dil: 1	Analyst: jna 07/21/20	
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Sample: 105467.09
OG20058-09 (Solid)

Sampled: 07/17/20 11:00 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Glyphosate by EPA 547

Method: EPA 547M Glyphosate	Batch ID: W0G1030	Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0 mg/kg	Dil: 1	Analyst: jna 07/21/20	
--------------------------------	-------------------	-------------------	---------------------------------------	--------	--------------------------	--

Sample: 105467.10
OG20058-10 (Solid)

Sampled: 07/17/20 11:10 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Glyphosate by EPA 547

Method: EPA 547M Glyphosate	Batch ID: W0G1030	Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0 mg/kg	Dil: 1	Analyst: jna 07/21/20	
--------------------------------	-------------------	-------------------	---------------------------------------	--------	--------------------------	--

Sample: 105467.11
OG20058-11 (Solid)

Sampled: 07/17/20 11:20 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Glyphosate by EPA 547

Method: EPA 547M Glyphosate	Batch ID: W0G1030	Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0 mg/kg	Dil: 1	Analyst: jna 07/21/20	
--------------------------------	-------------------	-------------------	---------------------------------------	--------	--------------------------	--

Sample: 105467.12
OG20058-12 (Solid)

Sampled: 07/17/20 12:50 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
---------	--------	-----	-------	-----	----------	-----------

Glyphosate by EPA 547

Method: EPA 547M Glyphosate	Batch ID: W0G1030	Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0 mg/kg	Dil: 1	Analyst: jna 07/21/20	
--------------------------------	-------------------	-------------------	---------------------------------------	--------	--------------------------	--



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105467

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/22/2020 17:08

Sample Results

(Continued)

Sample: 105467.13
0G20058-13 (Solid) Sampled: 07/17/20 13:00 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G1030 Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0	mg/kg	1	Analyst: jna 07/21/20	

Sample: 105467.14
0G20058-14 (Solid) Sampled: 07/17/20 14:10 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G1030 Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0	mg/kg	1	Analyst: jna 07/21/20	

Sample: 105467.15
0G20058-15 (Solid) Sampled: 07/17/20 14:20 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G1030 Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0	mg/kg	1	Analyst: jna 07/21/20	

Sample: 105467.16
0G20058-16 (Solid) Sampled: 07/17/20 14:30 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G1030 Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0	mg/kg	1	Analyst: jna 07/21/20	

Sample: 105467.17
0G20058-17 (Solid) Sampled: 07/17/20 14:40 by RL

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: W0G1030 Instr: LC10 ND	Prepared: 07/20/20 21:38 1.0	mg/kg	1	Analyst: jna 07/21/20	



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105467

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/22/2020 17:08

Quality Control Results

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0G1030 - EPA S47M										
Blank (W0G1030-BLK1)										
Glyphosate	ND	1.0	mg/kg							
				Prepared: 07/20/20 Analyzed: 07/21/20						
LCS (W0G1030-BS1)										
Glyphosate	3.30	1.0	mg/kg	5.00		66	50-150			
				Prepared: 07/20/20 Analyzed: 07/21/20						
Matrix Spike (W0G1030-MS1)										
Glyphosate	3.46	1.0	mg/kg	4.98	ND	70	50-150			
				Prepared: 07/20/20 Analyzed: 07/21/20						
Matrix Spike (W0G1030-MS2)										
Glyphosate	3.13	1.0	mg/kg	5.03	ND	62	50-150			
				Prepared: 07/20/20 Analyzed: 07/21/20						
Matrix Spike Dup (W0G1030-MSD1)										
Glyphosate	3.85	1.0	mg/kg	5.00	ND	77	50-150	11	30	
				Prepared: 07/20/20 Analyzed: 07/21/20						
Matrix Spike Dup (W0G1030-MSD2)										
Glyphosate	3.39	1.0	mg/kg	5.05	ND	67	50-150	8	30	
				Prepared: 07/20/20 Analyzed: 07/21/20						



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105467

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/22/2020 17:08

Notes and Definitions

item	Definition
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Number of Pages 51
Date Received 07/20/2020
Date Reported 07/23/2020

Telephone: (626)458-4923
Attention: Greg Sena

Job Number	Order Date	Client
105476	07/20/2020	LACDPW

Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.
Site: Devil's Gate Reservoir

Enclosed please find results of analyses of 11 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 16 pages

Checked By: _____

Approved By: _____

Joe Sevrean
Laboratory Director



AMERICAN ENVIRONMENTAL TESTING LABORATORY
 2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP # 1541 LACSD# 10181
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A KYZER LABS COMPANY

COMPANY LACo Public Works
PROJECT MANAGER Gregory Serna / Ricardo Lopez
COMPANY ADDRESS 900 S. Fremont Ave
 Alhambra, CA 91803
 PHONE 626.458.
 EMAIL 626.458.
PROJECT NAME Devil's Gate Reservoir Restoration HFO0710004
SITE NAME AND ADDRESS Devil's Gate Reservoir
 PO #

AB60169
CHAIN OF CUSTODY RECORD
 105476 119378
 AETL JOB No. Page 1 of 1

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS					
							8081A	CCPS	8081A	SVCS	8276C	TPH-G	8015*	TPH-D14	8015*	PCBS		8082	VCS+OXY	8276B	Perchlorate	3140M
1	B9-S2-1	105476.01	7-20-20	09:00	Soil	4 vials 1-8oz	Ice/Var.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2	B9-S2-5	105476.02	09:10					X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3	B9-S2-10	105476.03	09:20					X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4	B10-S2-1	105476.04	10:00					X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5	B10-S2-5	105476.05	10:10					X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6	B12-S2-1	105476.06	11:05					X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7	B12-S2-5	105476.07	11:15					X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8	B12-S2-10	105476.08	11:25					X	X	X	X	X	X	X	X	X	X	X	X	X	X	
9	B13-S2-1	105476.09	14:00					X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10	B13-S2-5	105476.10	14:10					X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11	B13-S2-10	105476.11	14:20					X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12								X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13								X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14								X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15								X	X	X	X	X	X	X	X	X	X	X	X	X	X	

TOTAL NUMBER OF CONTAINERS: 66

BILLING INFORMATION / SPECIAL INSTRUCTIONS

TURN AROUND TIME

NORMAL SAME DAY RUSH NEXT DAY RUSH 4 DAYS RUSH

2 DAYS RUSH 3 DAYS RUSH 4 DAYS RUSH

DATA DELIVERABLE REQUIRED

HARD COPY E-COPY GEOTRACKER (GLOBAL ID) OTHER (PLEASE SPECIFY)

RELINQUISHED BY: 1. Signature: [Signature] Printed Name: [Name] Date: 7-20-20 Time: 16:54
 2. Signature: [Signature] Printed Name: [Name] Date: 7-20-20 Time: 17:40
 3. Signature: [Signature] Printed Name: [Name] Date: 7-20-20 Time: 17:40

RECEIVED BY: 1. Signature: [Signature] Printed Name: [Name] Date: 7-20-20 Time: 16:54
 2. Signature: [Signature] Printed Name: [Name] Date: 7-20-20 Time: 17:40
 3. Signature: [Signature] Printed Name: [Name] Date: 7-20-20 Time: 17:40

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

Date: 07/20/20 Time: 17:40



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COOLER RECEIPT FORM

Client Name: <u>LACPW</u>			
Project Name:			
AETL Job Number: <u>105476</u>			
Date Received: <u>07/20/20</u>		Received by: <u>Auto</u>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.3°</u> , No 2: , No 3:			
Type of sample containers: <input checked="" type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify): <u>11x 503SKITS</u>			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input checked="" type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify): <u>NaHSO₄H₂O</u>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>X</u>		
2. Are the Sample labels legible?	<u>X</u>		
3. Do samples match the COC?	<u>X</u>		
4. Are the required analyses clear?	<u>X</u>		
5. Is there enough samples for required analysis?	<u>X</u>		
6. Are samples sealed with evidence tape?		<u>X</u>	
7. Are sample containers in good condition?	<u>X</u>		
8. Are samples preserved?	<u>X</u>		
9. Are samples preserved properly for the intended analysis?	<u>X</u>		
10. Are the VOAs free of headspace?	<u>N/A</u>		
11. Are the jars free of headspace?	<u>X</u>		

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.

Explain all "No" answers for above questions:



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Page: 1 A

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Project ID: HF00710004
Date Received 07/20/2020
Date Reported 07/23/2020

Telephone: (626) 458-4923

Attention: Greg Sena

Job Number	Order Date	Client
105476	07/20/2020	LACDPW

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 11 samples with the following specification on 07/20/2020.


Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
105476.01	B9-S2-1	07/20/2020	Soil	5
105476.02	B9-S2-5	07/20/2020	Soil	5
105476.03	B9-S2-10	07/20/2020	Soil	5
105476.04	B10-S2-1	07/20/2020	Soil	5
105476.05	B10-S2-5	07/20/2020	Soil	5
105476.06	B12-S2-1	07/20/2020	Soil	5
105476.07	B12-S2-5	07/20/2020	Soil	5
105476.08	B12-S2-10	07/20/2020	Soil	5
105476.09	B13-S2-1	07/20/2020	Soil	5
105476.10	B13-S2-5	07/20/2020	Soil	5
105476.11	B13-S2-10	07/20/2020	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(314.0)	07/23/2020	4	Rush	ug/Kg
(6010B/7000CAM)	07/23/2020	4	Rush	mg/Kg
(8081A)	07/23/2020	4	Rush	ug/Kg
(8082)	07/23/2020	4	Rush	ug/Kg
(8260B) ^ +OXY5035	07/23/2020	4	Rush	ug/Kg
(8270C)	07/23/2020	4	Rush	mg/Kg
(M8015D) ^ C13-C40	07/23/2020	4	Rush	mg/Kg
(M8015G)	07/23/2020	4	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By: 

Approved By: 

Joe Sevrean
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
GMED
900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 2

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: BOG0369

Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04
Client Sample I.D.			B9-S2-1	B9-S2-5	B9-S2-10	B10-S2-1
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Preparation Method		314.0	314.0	314.0	314.0	314.0
Date Analyzed		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Perchlorate	5.0	20.0	ND	ND	ND	ND



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 3

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: BOG0369

Our Lab I.D.		105476.05	105476.06	105476.07	105476.08	105476.09
Client Sample I.D.		B10-S2-5	B12-S2-1	B12-S2-5	B12-S2-10	B13-S2-1
Date Sampled		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Preparation Method		314.0	314.0	314.0	314.0	314.0
Date Analyzed		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Perchlorate	20.0	20.0	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 4

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: BOG0369

Our Lab I.D.		105476.10	105476.11			
Client Sample I.D.		B13-S2-5	B13-S2-10			
Date Sampled		07/20/2020	07/20/2020			
Date Prepared		07/21/2020	07/21/2020			
Preparation Method		314.0	314.0			
Date Analyzed		07/21/2020	07/21/2020			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Perchlorate	20.0	20.0	ND	ND		



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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 5

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0721202C2

Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04	
Client Sample I.D.			B9-S2-1	B9-S2-5	B9-S2-10	B10-S2-1	
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Date Prepared		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Preparation Method		3050B	3050B	3050B	3050B	3050B	
Date Analyzed		07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	1.57J	2.06J	1.58J	4.92J
Barium	2.5	5.0	ND	58.0	79.6	24.8	89.8
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	ND	1.47J	2.54	ND	2.69
Chromium	2.5	5.0	ND	7.68	15.9	3.28J	18.8
Cobalt	2.5	5.0	ND	6.20	9.40	3.12J	10.6
Copper	2.5	5.0	ND	8.67	14.5	4.66J	21.8
Lead	2.5	5.0	ND	3.01J	4.67J	ND	7.75
Mercury (By EPA 7471)	0.1	0.2	ND	0.127J	0.339	0.133J	0.298
Molybdenum	2.0	5.0	ND	2.63J	ND	ND	ND
Nickel	2.5	5.0	ND	5.97	9.25	ND	11.3
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	26.4	40.0	17.3	44.0
Zinc	2.5	5.0	ND	37.3	60.7	20.9	71.9



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ANALYTICAL RESULTS

Ordered By

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 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 6

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0721202C2

Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Client Sample I.D.			B10-S2-5	B12-S2-1	B12-S2-5	B12-S2-10	B13-S2-1
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	2.48J	1.20J	ND	ND	1.92J
Barium	2.5	5.0	100	38.1	40.1	36.5	54.2
Beryllium	1.0	2.5	ND	ND	ND	ND	ND
Cadmium	1.0	2.5	2.49J	1.13J	1.28J	1.13J	1.46J
Chromium	2.5	5.0	11.3	4.96J	11.2	5.99	8.36
Cobalt	2.5	5.0	10.9	4.75J	4.98J	6.07	6.09
Copper	2.5	5.0	14.4	6.98	9.00	6.60	8.48
Lead	2.5	5.0	4.56J	2.92J	2.69J	ND	5.78
Mercury (By EPA 7471)	0.1	0.2	0.119J	0.237	0.497	ND	0.141J
Molybdenum	2.0	5.0	ND	ND	2.38J	2.16J	ND
Nickel	2.5	5.0	7.10	3.45J	3.93J	3.13J	5.26
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.0	5.0	ND	ND	ND	ND	ND
Thallium	0.7	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	44.1	22.5	23.3	23.2	27.4
Zinc	2.5	5.0	64.2	32.6	29.3	25.3	40.4



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ANALYTICAL RESULTS

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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 7

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0721202C2

Our Lab I.D.			105476.10	105476.11		
Client Sample I.D.			B13-S2-5	B13-S2-10		
Date Sampled			07/20/2020	07/20/2020		
Date Prepared			07/21/2020	07/21/2020		
Preparation Method			3050B	3050B		
Date Analyzed			07/22/2020	07/22/2020		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Antimony	1.0	5.0	ND	ND		
Arsenic	1.0	5.0	2.70J	ND		
Barium	2.5	5.0	141	60.4		
Beryllium	1.0	2.5	ND	ND		
Cadmium	1.0	2.5	3.06	1.41J		
Chromium	2.5	5.0	13.7	7.66		
Cobalt	2.5	5.0	13.2	5.55		
Copper	2.5	5.0	19.1	7.63		
Lead	2.5	5.0	6.60	ND		
Mercury (By EPA 7471)	0.1	0.2	0.102J	0.110J		
Molybdenum	2.0	5.0	ND	ND		
Nickel	2.5	5.0	9.17	4.71J		
Selenium	1.0	5.0	ND	ND		
Silver	2.0	5.0	ND	ND		
Thallium	0.7	5.0	ND	ND		
Vanadium	2.5	5.0	58.1	27.3		
Zinc	2.5	5.0	88.7	31.1		



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ANALYTICAL RESULTS

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Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

Page: 8

Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 072120EB1

Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04	
Client Sample I.D.			B9-S2-1	B9-S2-5	B9-S2-10	B10-S2-1	
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Date Prepared		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	80.0	170.0	ND	ND	ND	ND	ND



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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	96.8	116	118	96.8	121
Tetrachloro-m-xylene	30-150	94.4	104	112	100	116



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 072120EB1

Our Lab I.D.		105476.05	105476.06	105476.07	105476.08	105476.09	
Client Sample I.D.		B10-S2-5	B12-S2-1	B12-S2-5	B12-S2-10	B13-S2-1	
Date Sampled		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Date Prepared		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	80.0	170.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		105476.05	105476.06	105476.07	105476.08	105476.09
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	83.2	106	119	102	96.0
Tetrachloro-m-xylene	30-150	106	107	110	104	102



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 072120EB1

Our Lab I.D.			105476.10	105476.11		
Client Sample I.D.			B13-S2-5	B13-S2-10		
Date Sampled			07/20/2020	07/20/2020		
Date Prepared			07/21/2020	07/21/2020		
Preparation Method			3550B	3550B		
Date Analyzed			07/21/2020	07/21/2020		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Aldrin	1.0	2.0	ND	ND		
Chlordane (Total)	1.0	2.0	ND	ND		
Chlordane (alpha)	1.0	2.0	ND	ND		
4,4'-DDD (DDD)	1.0	2.0	ND	ND		
4,4'-DDE (DDE)	1.0	2.0	ND	ND		
4,4'-DDT (DDT)	1.0	2.0	ND	ND		
Dieldrin	1.0	2.0	ND	ND		
Endosulfan 1	1.0	2.0	ND	ND		
Endosulfan 11	1.0	2.0	ND	ND		
Endosulfan sulfate	1.0	2.0	ND	ND		
Endrin	1.0	2.0	ND	ND		
Endrin aldehyde	1.0	2.0	ND	ND		
Endrin ketone	1.0	2.0	ND	ND		
Chlordane (gamma)	1.0	2.0	ND	ND		
Heptachlor	1.0	2.0	ND	ND		
Heptachlor epoxide	1.0	2.0	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND		
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND		
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND		
Methoxychlor	5.0	10.0	ND	ND		
Toxaphene	80.0	170.0	ND	ND		



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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		105476.10	105476.11			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Decachlorobiphenyl	30-150	105	115			
Tetrachloro-m-xylene	30-150	111	114			



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 072120ZB1

Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04	
Client Sample I.D.			B9-S2-1	B9-S2-5	B9-S2-10	B10-S2-1	
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Date Prepared		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150	88.0	80.0	90.4	127	91.2	
Tetrachloro-m-xylene	30-150	121	107	120	112	129	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 072120ZB1

Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Client Sample I.D.			B10-S2-5	B12-S2-1	B12-S2-5	B12-S2-10	B13-S2-1
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150		86.4	98.4	85.6	101	117
Tetrachloro-m-xylene	30-150		125	105	99.2	110	91.2



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Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 072120ZB1

Our Lab I.D.			105476.10	105476.11			
Client Sample I.D.			B13-S2-5	B13-S2-10			
Date Sampled			07/20/2020	07/20/2020			
Date Prepared			07/21/2020	07/21/2020			
Preparation Method			3550B	3550B			
Date Analyzed			07/21/2020	07/21/2020			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND			
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND			
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND			
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND			
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND			
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND			
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND			
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND			
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND			
Our Lab I.D.			105476.10	105476.11			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		93.6	70.0			
Tetrachloro-m-xylene	30-150		114	108			



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0722208A1

Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04	
Client Sample I.D.			B9-S2-1	B9-S2-5	B9-S2-10	B10-S2-1	
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Date Prepared		07/22/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	6.24J
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0722208A1

Our Lab I.D.			Method Blank	105476.01	105476.02	105476.03	105476.04
Client Sample I.D.				B9-S2-1	B9-S2-5	B9-S2-10	B10-S2-1
Date Sampled				07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared			07/22/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	2.14J
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0722208A1

Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04	
Client Sample I.D.			B9-S2-1	B9-S2-5	B9-S2-10	B10-S2-1	
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Date Prepared		07/22/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	2.11J	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	99.6	99.5	97.2	102	81.5	
Dibromofluoromethane	75-125	94.4	96.4	96.8	102	110	
Toluene-d8	75-125	93.1	99.1	99.8	100	93.5	



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ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
 GMED
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0722208A1

Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Client Sample I.D.			B10-S2-5	B12-S2-1	B12-S2-5	B12-S2-10	B13-S2-1
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	1.10J	ND	3.92J	ND	9.37J
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0722208A1

Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Client Sample I.D.			B10-S2-5	B12-S2-1	B12-S2-5	B12-S2-10	B13-S2-1
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	1.60J	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	2.04J	ND	3.29J
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0722208A1

Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Client Sample I.D.			B10-S2-5	B12-S2-1	B12-S2-5	B12-S2-10	B13-S2-1
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	3.30J	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	7.46J	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		96.7	99.8	95.0	99.1	102
Dibromofluoromethane	75-125		103	109	107	107	110
Toluene-d8	75-125		99.9	93.6	95.0	98.9	97.5



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 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0722208A1

Our Lab I.D.			105476.10	105476.11		
Client Sample I.D.			B13-S2-5	B13-S2-10		
Date Sampled			07/20/2020	07/20/2020		
Date Prepared			07/20/2020	07/20/2020		
Preparation Method			5035A	5035A		
Date Analyzed			07/22/2020	07/22/2020		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Acetone	25	50	ND	ND		
Benzene	1.0	10.0	1.29J	1.16J		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND		
2-Butanone (MEK)	25	50	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND		
Carbon Disulfide	25	50	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND		
Chloroethane	15	30	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND		
Dibromomethane	5.0	10.0	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND		



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0722208A1

Our Lab I.D.			105476.10	105476.11			
Client Sample I.D.			B13-S2-5	B13-S2-10			
Date Sampled			07/20/2020	07/20/2020			
Date Prepared			07/20/2020	07/20/2020			
Preparation Method			5035A	5035A			
Date Analyzed			07/22/2020	07/22/2020			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dichlorodifluoromethane	15	30	ND	ND			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0722208A1

Our Lab I.D.			105476.10	105476.11			
Client Sample I.D.			B13-S2-5	B13-S2-10			
Date Sampled			07/20/2020	07/20/2020			
Date Prepared			07/20/2020	07/20/2020			
Preparation Method			5035A	5035A			
Date Analyzed			07/22/2020	07/22/2020			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
tert-Butyl alcohol (TBA)	20	500	ND	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND			
Ethyl alcohol (Ethanol)	100	500	ND	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND			
Our Lab I.D.			105476.10	105476.11			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		91.8	103			
Dibromofluoromethane	75-125		108	107			
Toluene-d8	75-125		99.3	98.0			



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GMED
900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072220JB1

Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04	
Client Sample I.D.			B9-S2-1	B9-S2-5	B9-S2-10	B10-S2-1	
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Date Prepared		07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072220JB1

Our Lab I.D.			Method Blank	105476.01	105476.02	105476.03	105476.04
Client Sample I.D.				B9-S2-1	B9-S2-5	B9-S2-10	B10-S2-1
Date Sampled				07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared			07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072220JB1

Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04	
Client Sample I.D.			B9-S2-1	B9-S2-5	B9-S2-10	B10-S2-1	
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Date Prepared		07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
Pyridine	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
2-Fluorophenol	25-121	59.6	57.6	56.2	55.4	51.8	
2-Fluorobiphenyl	30-115	71.2	71.6	72.4	68.4	69.6	
Nitrobenzene-d5	23-120	58.0	57.2	56.0	53.6	54.4	
Phenol-d6	21-113	58.1	57.1	56.2	52.8	52.3	
p-Terphenyl-D14	18-137	90.4	84.0	98.8	79.6	101	
2,4,6-Tribromophenol	19-122	75.0	73.6	77.6	70.8	77.2	



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Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072220JB1

Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Client Sample I.D.			B10-S2-5	B12-S2-1	B12-S2-5	B12-S2-10	B13-S2-1
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared			07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/22/2020	07/22/2020	07/23/2020	07/23/2020	07/23/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072220JB1

Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Client Sample I.D.			B10-S2-5	B12-S2-1	B12-S2-5	B12-S2-10	B13-S2-1
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared			07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/22/2020	07/22/2020	07/23/2020	07/23/2020	07/23/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072220JB1

Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Client Sample I.D.			B10-S2-5	B12-S2-1	B12-S2-5	B12-S2-10	B13-S2-1
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared			07/22/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/22/2020	07/22/2020	07/23/2020	07/23/2020	07/23/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
Pyridine	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
2-Fluorophenol	25-121		56.6	52.8	57.0	49.6	52.0
2-Fluorobiphenyl	30-115		72.0	67.6	69.2	63.6	64.4
Nitrobenzene-d5	23-120		57.2	53.2	54.4	48.8	50.4
Phenol-d6	21-113		56.2	52.7	54.5	48.9	53.2
p-Terphenyl-D14	18-137		96.8	94.4	94.8	84.0	87.6
2,4,6-Tribromophenol	19-122		78.6	74.6	74.8	68.0	69.4



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ANALYTICAL RESULTS

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 Alhambra, CA 91803-

Site

Devil's Gate Reservoir

Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072220JB1

Our Lab I.D.			105476.10	105476.11		
Client Sample I.D.			B13-S2-5	B13-S2-10		
Date Sampled			07/20/2020	07/20/2020		
Date Prepared			07/22/2020	07/22/2020		
Preparation Method			3550B	3550B		
Date Analyzed			07/23/2020	07/23/2020		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Acenaphthene	0.25	0.50	ND	ND		
Acenaphthylene	0.25	0.50	ND	ND		
Anthracene	0.25	0.50	ND	ND		
Azobenzene	0.25	0.50	ND	ND		
Benzidine	0.25	0.50	ND	ND		
Benzo(a)anthracene	0.25	0.50	ND	ND		
Benzo(a)pyrene	0.25	0.50	ND	ND		
Benzo(b)fluoranthene	0.25	0.50	ND	ND		
Benzo(g,h,i)perylene	0.25	0.50	ND	ND		
Benzo(k)fluoranthene	0.25	0.50	ND	ND		
Benzoic Acid	0.25	0.50	ND	ND		
Benzyl Alcohol	0.25	0.50	ND	ND		
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND		
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND		
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND		
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND		
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND		
Butyl benzyl phthalate	0.25	0.50	ND	ND		
4-Chloro-3-methylphenol	0.25	0.50	ND	ND		
4-Chloroaniline	0.25	0.50	ND	ND		
2-Chloronaphthalene	0.25	0.50	ND	ND		
2-Chlorophenol	0.25	0.50	ND	ND		
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND		
Chrysene	0.25	0.50	ND	ND		
Di-n-butyl phthalate	0.25	0.50	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND		
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND		



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072220JB1

Our Lab I.D.			105476.10	105476.11			
Client Sample I.D.			B13-S2-5	B13-S2-10			
Date Sampled			07/20/2020	07/20/2020			
Date Prepared			07/22/2020	07/22/2020			
Preparation Method			3550B	3550B			
Date Analyzed			07/23/2020	07/23/2020			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dibenzofuran	0.25	0.50	ND	ND			
1,2-Dichlorobenzene	0.25	0.50	ND	ND			
1,3-Dichlorobenzene	0.25	0.50	ND	ND			
1,4-Dichlorobenzene	0.25	0.50	ND	ND			
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND			
2,4-Dichlorophenol	0.25	0.50	ND	ND			
2,6-Dichlorophenol	0.25	0.50	ND	ND			
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND			
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND			
2,4-Dimethylphenol	0.25	0.50	ND	ND			
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND			
2,4-Dinitrophenol	0.25	0.50	ND	ND			
2,4-Dinitrotoluene	0.25	0.50	ND	ND			
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND			
Fluoranthene	0.25	0.50	ND	ND			
Fluorene	0.25	0.50	ND	ND			
Hexachlorobenzene	0.25	0.50	ND	ND			
Hexachlorobutadiene	0.25	0.50	ND	ND			
Hexachlorocyclopentadiene	0.25	0.50	ND	ND			
Hexachloroethane	0.25	0.50	ND	ND			
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND			
Isophorone	0.25	0.50	ND	ND			
2-Methylnaphthalene	0.25	0.50	ND	ND			
4-Methylphenol	0.25	0.50	ND	ND			
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND			
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND			
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND			
Naphthalene	0.25	0.50	ND	ND			
2-Nitroaniline	0.25	0.50	ND	ND			
3-Nitroaniline	0.25	0.50	ND	ND			
4-Nitroaniline	0.25	0.50	ND	ND			
Nitrobenzene (NB)	0.25	0.50	ND	ND			
4-Nitrophenol	0.25	0.50	ND	ND			
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND			



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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072220JB1

Our Lab I.D.			105476.10	105476.11			
Client Sample I.D.			B13-S2-5	B13-S2-10			
Date Sampled			07/20/2020	07/20/2020			
Date Prepared			07/22/2020	07/22/2020			
Preparation Method			3550B	3550B			
Date Analyzed			07/23/2020	07/23/2020			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
N-nitrosodiphenylamine	0.25	0.50	ND	ND			
Pentachlorophenol	0.25	0.50	ND	ND			
Phenanthrene	0.25	0.50	ND	ND			
Phenol	0.25	0.50	ND	ND			
Pyrene	0.25	0.50	ND	ND			
Pyridine	0.25	0.50	ND	ND			
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND			
2,4,5-Trichlorophenol	0.25	0.50	ND	ND			
2,4,6-Trichlorophenol	0.25	0.50	ND	ND			
Our Lab I.D.			105476.10	105476.11			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
2-Fluorophenol	25-121		60.0	36.8			
2-Fluorobiphenyl	30-115		69.2	65.2			
Nitrobenzene-d5	23-120		52.4	52.0			
Phenol-d6	21-113		57.9	51.3			
p-Terphenyl-D14	18-137		104	88.4			
2,4,6-Tribromophenol	19-122		73.0	68.6			



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 072020B2

Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04
Client Sample I.D.			B9-S2-1	B9-S2-5	B9-S2-10	B10-S2-1
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared		07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method		5030	5035A	5035A	5035A	5035A
Date Analyzed		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND
Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		105	112	114	112



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 072020B2

Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Client Sample I.D.			B10-S2-5	B12-S2-1	B12-S2-5	B12-S2-10	B13-S2-1
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		110	113	104	110	110



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 072020B2

Our Lab I.D.			105476.10	105476.11		
Client Sample I.D.			B13-S2-5	B13-S2-10		
Date Sampled			07/20/2020	07/20/2020		
Date Prepared			07/20/2020	07/20/2020		
Preparation Method			5035A	5035A		
Date Analyzed			07/21/2020	07/21/2020		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND		
Our Lab I.D.			105476.10	105476.11		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Bromofluorobenzene	75-125		108	110		



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 072120DB1

Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04	
Client Sample I.D.			B9-S2-1	B9-S2-5	B9-S2-10	B10-S2-1	
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	
Date Prepared		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	17.0	ND	9.76
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	17.0	ND	9.76
Our Lab I.D.		Method Blank	105476.01	105476.02	105476.03	105476.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125	102	102	98.8	100	105	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 072120DB1

Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Client Sample I.D.			B10-S2-5	B12-S2-1	B12-S2-5	B12-S2-10	B13-S2-1
Date Sampled			07/20/2020	07/20/2020	07/20/2020	07/20/2020	07/20/2020
Date Prepared			07/21/2020	07/21/2020	07/21/2020	07/21/2020	07/21/2020
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			07/21/2020	07/22/2020	07/22/2020	07/22/2020	07/22/2020
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	1.0	5.0	1.22J	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	6.62	1.78J	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	7.84	1.78J	ND	ND	ND
Our Lab I.D.			105476.05	105476.06	105476.07	105476.08	105476.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		103	99.3	102	104	101



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 072120DB1

Our Lab I.D.			105476.10	105476.11		
Client Sample I.D.			B13-S2-5	B13-S2-10		
Date Sampled			07/20/2020	07/20/2020		
Date Prepared			07/21/2020	07/21/2020		
Preparation Method			3550B	3550B		
Date Analyzed			07/22/2020	07/22/2020		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND		
Our Lab I.D.			105476.10	105476.11		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene	75-125		102	99.8		



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (314.0), Perchlorate by Ion Chromatography

QC Batch No: BOG0369; LCS: Clean Sand; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Perchlorate	0.00	500	550	110	500	520	104	5.6	70-130	<30

QC Batch No: BOG0369; LCS: Clean Sand; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit					
Perchlorate	500	499	99.7	80-120					



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0721202C2; Dup or Spiked Sample: 105476.01; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/22/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	2.16	50.0	50.5	96.7	50.0	50.9	97.5	<1	75-125	<15
Arsenic	1.57	50.0	48.0	92.9	50.0	48.9	94.7	1.9	75-125	<15
Barium	58.0	50.0	102	88.0	50.0	101	86.0	2.3	75-125	<15
Beryllium	0.00	50.0	52.0	104	50.0	52.0	104	<1	75-125	<15
Cadmium	1.47	50.0	48.0	93.1	50.0	48.4	93.9	<1	75-125	<15
Chromium	7.68	50.0	56.6	97.8	50.0	57.0	98.6	<1	75-125	<15
Cobalt	6.20	50.0	54.1	95.8	50.0	54.7	97.0	1.2	75-125	<15
Copper	8.67	50.0	61.7	106	50.0	60.7	104	1.9	75-125	<15
Lead	3.01	50.0	47.3	88.6	50.0	47.7	89.4	<1	75-125	<15
Mercury (By EPA 7471)	0.127	0.500	0.603	95.1	0.500	0.602	95.0	<1	75-125	<15
Molybdenum	2.63	50.0	51.9	98.5	50.0	52.5	99.7	1.2	75-125	<15
Nickel	5.97	50.0	52.5	93.1	50.0	52.9	93.9	<1	75-125	<15
Selenium	0.00	50.0	42.5	85.0	50.0	44.3	88.6	4.1	75-125	<15
Silver	0.00	50.0	46.4	92.8	50.0	46.1	92.2	<1	75-125	<15
Thallium	0.00	50.0	31.7 M	63.4	50.0	32.6 M	65.2	2.8	75-125	<15
Vanadium	26.4	50.0	75.9	99.0	50.0	75.3	97.8	1.2	75-125	<15
Zinc	37.3	50.0	83.7	92.8	50.0	84.6	94.6	1.9	75-125	<15

QC Batch No: 0721202C2; Dup or Spiked Sample: 105476.01; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/22/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Antimony	50.0	55.0	110	50.0	53.7	107	2.8	75-125	<15
Arsenic	50.0	53.4	107	50.0	49.0	98.0	8.8	75-125	<15
Barium	50.0	54.1	108	50.0	51.6	103	4.7	75-125	<15
Beryllium	50.0	53.6	107	50.0	53.6	107	<1	75-125	<15
Cadmium	50.0	54.5	109	50.0	52.6	105	3.7	75-125	<15
Chromium	50.0	54.5	109	50.0	52.9	106	2.8	75-125	<15
Cobalt	50.0	54.9	110	50.0	52.6	105	4.7	75-125	<15
Copper	50.0	55.6	111	50.0	53.5	107	3.7	75-125	<15



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0721202C2; Dup or Spiked Sample: 105476.01; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/22/2020;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Lead	50.0	53.8	108	50.0	52.2	104	3.8	75-125	<15
Mercury (By EPA 7471)	0.500	0.493	98.6	0.500	0.495	98.9	<1	75-125	<15
Molybdenum	50.0	54.5	109	50.0	54.5	109	<1	75-125	<15
Nickel	50.0	54.0	108	50.0	52.6	105	2.8	75-125	<15
Selenium	50.0	54.0	108	50.0	51.5	103	4.7	75-125	<15
Silver	50.0	52.4	105	50.0	52.5	105	<1	75-125	<15
Thallium	50.0	53.7	107	50.0	47.7	95.4	11.5	75-125	<15
Vanadium	50.0	55.5	111	50.0	53.1	106	4.6	75-125	<15
Zinc	50.0	56.1	112	50.0	53.1	106	5.5	75-125	<15



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Telephone: (626)458-4923

Attn: Greg Sena

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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 072120EB1; Dup or Spiked Sample: 105474.05; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/21/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	18.7	93.5	20.0	20.4	102	8.7	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	40.4	80.8	50.0	45.9	91.8	12.7	40-150	<40
Dieldrin	0.00	50.0	48.1	96.2	50.0	52.0	104	7.8	40-150	<40
Endrin	0.00	50.0	45.9	91.8	50.0	50.5	101	9.5	40-150	<40
Heptachlor	0.00	20.0	18.5	92.5	20.0	20.0	100	7.8	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	17.6	88.0	20.0	19.2	96.0	8.7	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	25.5	102	25.0	26.0	104	1.9	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	20.4	81.6	25.0	22.5	90.0	9.8	30-150	<40

QC Batch No: 072120EB1; Dup or Spiked Sample: 105474.05; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/21/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aldrin	20.0	22.2	111	20.0	20.0	100	10.4	50-150	<40
4,4'-DDT (DDT)	50.0	53.0	106	50.0	46.3	92.6	13.5	50-150	<40
Dieldrin	50.0	58.0	116	50.0	51.0	102	12.8	50-150	<40
Endrin	50.0	57.5	115	50.0	50.0	100	14.0	50-150	<40
Heptachlor	20.0	22.6	113	20.0	20.4	102	10.2	50-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	21.6	108	20.0	18.2	91.0	17.1	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	30.0	120	25.0	27.3	109	9.6	30-150	<40
Tetrachloro-m-xylene	25.0	26.5	106	25.0	22.9	91.6	14.6	30-150	<40



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 072120ZB1; Dup or Spiked Sample: 105476.08; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/21/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	484	96.8	500	456	91.2	6.0	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	425	85.0	500	348	69.6	19.9	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	24.1	96.4	25.0	15.1	60.4	45.9	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	25.5	102	25.0	29.8	119	15.4	30-150	<40

QC Batch No: 072120ZB1; Dup or Spiked Sample: 105476.08; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/21/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aroclor-1016 (PCB-1016)	500	467	93.4	500	555	111	17.2	50-150	<40
Aroclor-1260 (PCB-1260)	500	323	64.6	500	340	68.0	5.1	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	16.1	64.4	25.0	22.8	91.2	34.4	30-150	<40
Tetrachloro-m-xylene	25.0	29.5	118	25.0	27.8	111	6.1	30-150	<40



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0722208A1; Dup or Spiked Sample: 105476.09; LCS: Clean Sand; QC Prepared: 07/22/2020; QC Analyzed: 07/22/2020;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene		50.0	31.7 M	44.7	50.0	40.2 M	61.7	32.0	75-125	<20
Chlorobenzene	0.00	50.0	30.2 M	60.4	50.0	34.3 M	68.6	12.7	75-125	<20
1,1-Dichloroethene	0.00	50.0	20.7 M	41.4	50.0	35.1 M	70.2	51.6	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	26.9 M	53.8	50.0	37.4 M	74.8	32.7	75-125	<20
Trichloroethene	0.00	50.0	29.9 M	59.8	50.0	40.8	81.6	30.8	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	41.5	83.0	50.0	43.0	86.0	3.6	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	48.4	96.7	50.0	49.4	98.7	2.0	75-125	<20
Dibromofluoromethane	0.00	50.0	47.9	95.7	50.0	46.9	93.8	2.0	75-125	<20
Toluene-d8	0.00	50.0	48.1	96.1	50.0	48.8	97.6	1.5	75-125	<20

QC Batch No: 0722208A1; Dup or Spiked Sample: 105476.09; LCS: Clean Sand; QC Prepared: 07/22/2020; QC Analyzed: 07/22/2020;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Benzene	50.0	47.8	95.6	50.0	44.9	89.8	6.3	75-125	<20
Chlorobenzene	50.0	53.0	106	50.0	51.0	102	3.8	75-125	<20
1,1-Dichloroethene	50.0	43.1	86.2	50.0	40.2	80.4	7.0	75-125	<20
Toluene (Methyl benzene)	50.0	52.0	104	50.0	49.3	98.6	5.3	75-125	<20
Trichloroethene	50.0	51.5	103	50.0	50.4	101	2.0	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	48.9	97.8	50.0	47.6	95.0	2.9	75-125	<20
LCS									
Chloroform (Trichloromethane)	50.0	52.9	106	50.0	49.5	99.0	6.8	75-125	<20
Ethylbenzene	50.0	48.4	96.8	50.0	45.5	91.0	6.2	75-125	<20
1,1,1-Trichloroethane	50.0	50.8	102	50.0	48.7	97.4	4.6	75-125	<20
o-Xylene	50.0	47.3	94.6	50.0	46.8	94.0	<1	75-125	<20
m,p-Xylenes	100	96.6	96.6	100	93.6	93.6	3.2	75-125	<20
Surrogates									
Bromofluorobenzene	50.0	51.5	103	50.0	49.3	98.5	4.5	75-125	<20
Dibromofluoromethane	50.0	48.5	97.1	50.0	47.0	93.9	3.4	75-125	<20



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0722208A1; Dup or Spiked Sample: 105476.09; LCS: Clean Sand; QC Prepared: 07/22/2020; QC Analyzed: 07/22/2020;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	48.5	97.1	50.0	47.3	94.6	2.6	75-125	<20	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072220JB1; Dup or Spiked Sample: 105476.01; LCS: Clean Sand; QC Prepared: 07/22/2020; QC Analyzed: 07/22/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Acenaphthene	0.00	2.50	1.56	62.4	2.50	1.55	62.0	<1	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	3.44	68.8	5.00	3.47	69.4	<1	39-98	<20
2-Chlorophenol	0.00	5.00	3.10	62.0	5.00	2.94	58.8	5.3	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	1.59	63.6	2.50	1.48	59.2	7.2	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	1.97	78.8	2.50	1.98	79.2	<1	50-140	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	1.63	65.2	2.50	1.85	74.0	12.6	41-116	<20
4-Nitrophenol	0.00	5.00	2.69	53.8	5.00	2.75	55.0	2.2	10-110	<20
Pentachlorophenol	0.00	5.00	3.83	76.6	5.00	3.94	78.8	2.8	40-125	<20
Phenol	0.00	5.00	2.29	45.8	5.00	2.20	44.0	4.0	12-89	<20
Pyrene	0.00	2.50	1.78	71.2	2.50	1.76	70.4	1.1	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	1.96	78.4	2.50	1.88	75.2	4.2	39-98	<20
Surrogates										
2-Fluorophenol	0.00	5.00	2.73	54.6	5.00	2.51	50.2	8.4	25-121	<20
2-Fluorobiphenyl	0.00	2.50	1.64	65.6	2.50	1.57	62.8	4.4	30-115	<20
Nitrobenzene-d5	0.00	2.50	1.43	57.2	2.50	1.36	54.4	5.0	23-120	<20
p-Terphenyl-D14	0.00	2.50	1.95	78.0	2.50	1.91	76.4	2.1	18-137	<20
Phenol-d6	0.00	5.00	2.68	53.6	5.00	2.53	50.5	6.0	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	3.79	75.8	5.00	3.71	74.2	2.1	19-122	<20

QC Batch No: 072220JB1; Dup or Spiked Sample: 105476.01; LCS: Clean Sand; QC Prepared: 07/22/2020; QC Analyzed: 07/22/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Acenaphthene	2.50	1.81	72.4	2.50	1.48	59.2	20.1	31-137	<20
4-Chloro-3-methylphenol	5.00	4.49	89.8	5.00	3.64	72.8	20.9	40-99	<20
2-Chlorophenol	5.00	3.31	66.2	5.00	3.06	61.2	7.8	25-102	<20
1,4-Dichlorobenzene	2.50	1.79	71.6	2.50	1.49	59.6	18.3	28-104	<20
2,4-Dinitrotoluene	2.50	2.41	96.2	2.50	2.05	81.9	16.1	50-140	<20
N-Nitroso-Di-n-propylamine	2.50	1.71	68.4	2.50	1.63	65.2	4.8	41-126	<20
4-Nitrophenol	5.00	3.26	65.2	5.00	2.89	57.8	12.0	11-114	<20



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QUALITY CONTROL RESULTS

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Project ID: HF00710004
 Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 072220JB1; Dup or Spiked Sample: 105476.01; LCS: Clean Sand; QC Prepared: 07/22/2020; QC Analyzed: 07/22/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Pentachlorophenol	5.00	4.47	89.4	5.00	3.91	78.2	13.4	17-125	<20	
Phenol	5.00	2.27	45.4	5.00	2.38	47.6	4.7	26-90	<20	
Pyrene	2.50	2.09	83.6	2.50	1.78	71.2	16.0	35-142	<20	
1,2,4-Trichlorobenzene	2.50	2.14	85.6	2.50	1.71	68.4	22.3	38-107	<20	
Surrogates										
2-Fluorophenol	5.00	3.37	67.4	5.00	2.69	53.8	22.4	25-121	<20	
2-Fluorobiphenyl	2.50	1.91	76.4	2.50	1.52	60.8	22.7	30-115	<20	
Nitrobenzene-d5	2.50	1.76	70.4	2.50	1.27	50.8	32.3	23-120	<20	
p-Terphenyl-D14	2.50	2.20	88.0	2.50	1.27	50.8	53.6	18-137	<20	
Phenol-d6	5.00	3.35	67.0	5.00	2.75	55.0	19.7	24-113	<20	
2,4,6-Tribromophenol	5.00	4.61	92.2	5.00	3.75	75.0	20.6	19-122	<20	



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 072120DB1; Dup or Spiked Sample: 105476.01; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/21/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	520	104	500	505	101	2.9	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	95.3	95.3	100	95.4	95.4	<1	75-125	<20

QC Batch No: 072120DB1; Dup or Spiked Sample: 105476.01; LCS: Clean Sand; QC Prepared: 07/21/2020; QC Analyzed: 07/21/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
TPH as Diesel (C13-C22)	500	515	103	500	500	100	3.0	75-125	<20
Surrogates									
Chlorobenzene	100	95.2	95.2	100	97.7	97.7	2.6	75-125	<20



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Project ID: HF00710004

Project Name: Devil's Gate Reservoir Restor.

AETL Job Number	Submitted	Client
105476	07/20/2020	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0720200B2; Dup or Spiked Sample: 105476.09AG; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/21/2020;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.0360	1.00	0.801	76.5	1.00	0.803	76.7	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0530	106	0.0500	0.0540	108	1.9	75-125	<20

QC Batch No: 0720200B2; Dup or Spiked Sample: 105476.09AG; LCS: Clean Sand; QC Prepared: 07/20/2020; QC Analyzed: 07/21/2020;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.812	81.2	1.00	0.801	80.1	1.4	75-125	<20
Surrogates									
Bromofluorobenzene	0.0500	0.0516	103	0.0500	0.0522	104	<1	75-125	<20



AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

- #: Recovery is not within acceptable control limits.
- *: In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
- B: Analyte was present in the Method Blank.
- D: Result is from a diluted analysis.
- E: Result is beyond calibration limits and is estimated.
- H: Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
- J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- M: Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
- MCL: Maximum Contaminant Level
- NS: No Standard Available
- S6: Surrogate recovery is outside control limits due to matrix interference.
- S8: The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
- X: Results represent LCS and LCSD data.

Definition:

- %Limi: Percent acceptable limits.
- %REC: Percent recovery.
- Con.L: Acceptable Control Limits
- Conce: Added concentration to the sample.
- LCS: Laboratory Control Sample
- MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference


ADVANCED TECHNOLOGY
LABORATORIES

July 23, 2020

Jim Lin
AETL
2834 North Naomi Street
Burbank, CA 91504
Tel: (818) 845-8200
Fax: (818) 845-8840

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2001751
Client Reference : [none]

Enclosed are the results for sample(s) received on July 21, 2020 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertain to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Dr. Reza Karimi
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

3275 Walnut Avenue, Signal Hill, CA 90755 • Tel: 562-989-4045 • Fax: 562-989-4040
www.atlglobal.com



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : -
Report To : Jim Lin
Reported : 07/23/2020

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
105476.01	2001751-01	Soil	7/20/20 9:00	7/21/20 11:12
105476.02	2001751-02	Soil	7/20/20 9:10	7/21/20 11:12
105476.03	2001751-03	Soil	7/20/20 9:20	7/21/20 11:12
105476.04	2001751-04	Soil	7/20/20 10:00	7/21/20 11:12
105476.05	2001751-05	Soil	7/20/20 10:10	7/21/20 11:12
105476.06	2001751-06	Soil	7/20/20 11:05	7/21/20 11:12
105476.07	2001751-07	Soil	7/20/20 11:15	7/21/20 11:12
105476.08	2001751-08	Soil	7/20/20 11:25	7/21/20 11:12
105476.09	2001751-09	Soil	7/20/20 14:00	7/21/20 11:12
105476.10	2001751-10	Soil	7/20/20 14:10	7/21/20 11:12
105476.11	2001751-11	Soil	7/20/20 14:20	7/21/20 11:12



Certificate of Analysis

AETL	Project Number : -
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/23/2020

Client Sample ID: 105476.01

Lab ID: 2001751-01

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0369	07/21/2020	07/21/20 15:57	



Certificate of Analysis

AETL	Project Number : -
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/23/2020

Client Sample ID: 105476.02

Lab ID: 2001751-02

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0369	07/21/2020	07/21/20 16:20	



Certificate of Analysis

AETL	Project Number : -
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/23/2020

Client Sample ID: 105476.03

Lab ID: 2001751-03

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0369	07/21/2020	07/21/20 16:43	



Certificate of Analysis

AETL	Project Number : -
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/23/2020

Client Sample ID: 105476.04

Lab ID: 2001751-04

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0369	07/21/2020	07/21/20 17:06	



Certificate of Analysis

AETL	Project Number : -
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/23/2020

Client Sample ID: 105476.05

Lab ID: 2001751-05

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0369	07/21/2020	07/21/20 17:29	



Certificate of Analysis

AETL

2834 North Naomi Street

Burbank, CA 91504

Project Number : -

Report To : Jim Lin

Reported : 07/23/2020

Client Sample ID: 105476.06

Lab ID: 2001751-06

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0369	07/21/2020	07/21/20 17:52	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank, CA 91504

Project Number : -
Report To : Jim Lin
Reported : 07/23/2020

Client Sample ID: 105476.07
Lab ID: 2001751-07

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0369	07/21/2020	07/21/20 18:15	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : -
Report To : Jim Lin
Reported : 07/23/2020

Client Sample ID: 105476.08
Lab ID: 2001751-08

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0369	07/21/2020	07/21/20 18:38	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : -
Report To : Jim Lin
Reported : 07/23/2020

Client Sample ID: 105476.09
Lab ID: 2001751-09

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0369	07/21/2020	07/21/20 19:00	



Certificate of Analysis

AETL	Project Number : -
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/23/2020

Client Sample ID: 105476.10

Lab ID: 2001751-10

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0369	07/21/2020	07/21/20 19:23	



Certificate of Analysis

AETL
2834 North Naomi Street
Burbank , CA 91504

Project Number : -
Report To : Jim Lin
Reported : 07/23/2020

Client Sample ID: 105476.11
Lab ID: 2001751-11

Perchlorate by Ion Chromatography EPA 314 (Modified)

Analyst: AH

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Perchlorate	ND	20	1	B0G0369	07/21/2020	07/21/20 21:41	



Certificate of Analysis

AETL
 2834 North Naomi Street
 Burbank, CA 91504

Project Number : -
 Report To : Jim Lin
 Reported : 07/23/2020

QUALITY CONTROL SECTION

Perchlorate by Ion Chromatography EPA 314 (Modified) - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
Batch B0G0369 - Prep_1C2_S									
Blank (B0G0369-BLK1)					Prepared: 7/21/2020 Analyzed: 7/21/2020				
Perchlorate	ND	20	9.2						
LCS (B0G0369-BS1)					Prepared: 7/21/2020 Analyzed: 7/21/2020				
Perchlorate	498.456	20	9.2	500.000		99.7 85 - 115			
Duplicate (B0G0369-DUP1)					Source: 2001751-01 Prepared: 7/21/2020 Analyzed: 7/21/2020				
Perchlorate	ND	20	9.2		ND			15	
Duplicate (B0G0369-DUP2)					Source: 2001751-11 Prepared: 7/21/2020 Analyzed: 7/21/2020				
Perchlorate	ND	20	9.2		ND			15	
Matrix Spike (B0G0369-MS1)					Source: 2001751-01 Prepared: 7/21/2020 Analyzed: 7/21/2020				
Perchlorate	548.027	20	9.2	500.000	ND	110 80 - 120			
Matrix Spike (B0G0369-MS2)					Source: 2001751-11 Prepared: 7/21/2020 Analyzed: 7/21/2020				
Perchlorate	494.230	20	9.2	500.000	ND	98.8 80 - 120			
Matrix Spike Dup (B0G0369-MSD1)					Source: 2001751-01 Prepared: 7/21/2020 Analyzed: 7/21/2020				
Perchlorate	519.538	20	9.2	500.000	ND	104 80 - 120	5.34	15	
Matrix Spike Dup (B0G0369-MSD2)					Source: 2001751-11 Prepared: 7/21/2020 Analyzed: 7/21/2020				
Perchlorate	502.139	20	9.2	500.000	ND	100 80 - 120	1.59	15	



Certificate of Analysis

AETL	Project Number : -
2834 North Naomi Street	Report To : Jim Lin
Burbank , CA 91504	Reported : 07/23/2020

Notes and Definitions

- ND Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
- PQL Practical Quantitation Limit
- MDL Method Detection Limit
- NR Not Reported
- RPD Relative Percent Difference
- CA2 CA-ELAP (CDPH)
- OR1 OR-NELAP (OSPHL)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



AMERICAN ENVIRONMENTAL TESTING LABORATORY
 2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504
 TEL: (889) 288-4444 FAX: (818) 945-8200

CHAIN OF CUSTODY RECORD

2.0 blue
 447800

AKZER LABS COMPANY

COMPANY: **AEGL**
 PROJECT MANAGER: **Timlin**
 COMPANY ADDRESS: **2834 N. Naomi St, Burbank CA 91504**
 PHONE: **(818) 845-8200**
 PROJECT NAME: _____ PROJECT # _____

SITE NAME AND ADDRESS: _____
 PO # **31878** -Sub

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
01		07/10/10	0900	Soil	1x2oz jar	
02			0910			
03			0920			
04			1000			
05			1010			
06			1105			
07			1115			
08			1125			
09			1400			
10			1410			
11			1420			
12						
13						
14						
15						

TOTAL NUMBER OF CONTAINERS: **11**

BILLING INFORMATION / SPECIAL INSTRUCTIONS

TURN AROUND TIME

DATA DELIVERABLE REQUIRED

NORMAL RUSH
 2 DAYS RUSH
 SAME DAY RUSH
 3 DAYS RUSH
 NEXT DAY RUSH
 4 DAYS RUSH

HARD COPY
 E-COPY
 GEOTRACKER (GLOBAL ID)
 OTHER (PLEASE SPECIFY)

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

AEGL JOB NO. _____
 ANALYSIS REQUESTED: **Perchlorate 314**
 TEST INSTRUCTIONS & COMMENT

RELINQUISHED BY: **1.** Signature: *[Signature]* Date: **7-21-20** Time: **11:12**
 Signature: _____ Date: _____ Time: _____
 RELINQUISHED BY: **2.** Signature: _____ Date: _____ Time: _____
 Signature: _____ Date: _____ Time: _____
 RELINQUISHED BY: **3.** Signature: _____ Date: _____ Time: _____

RECEIVED BY: **1.** Signature: *[Signature]* Date: **7-21-20** Time: **11:12**
 Signature: *Chanelle Kury* Date: _____ Time: _____
 RECEIVED BY: **2.** Signature: _____ Date: _____ Time: _____
 Signature: _____ Date: _____ Time: _____
 RECEIVED BY: **3.** Signature: _____ Date: _____ Time: _____
 Signature: _____ Date: _____ Time: _____



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

LA County Dept. of Public Works
GMED 900 S. Fremont Ave, 4th Floor
Alhambra, CA 91803-

Number of Pages 1
Date Received 07/20/2020
Date Reported 07/27/2020

Telephone: (626)458-4923
Attention: Greg Sena

Job Number	Order Date	Client
105476	07/20/2020	LACDPW

Project ID: HF00710004
Project Name: Devil's Gate Reservoir Restor.
Site: Devil's Gate Reservoir

Enclosed please find results of analyses of 11 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 8 pages

Checked By: _____

Approved By: _____

Joe Sevrean
Laboratory Director



AMERICAN ENVIRONMENTAL TESTING LABORATORY
 2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP # 1541 LACSD# 10181
 TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

A KYZER LABS COMPANY

COMPANY LACO Public Works
PROJECT MANAGER Gregory Serna / Ricardo Lopez
COMPANY ADDRESS 900 S. Fremont Ave.
 Alhambra, CA 91803
 PHONE 626.458.
 EMAIL 626.458.
PROJECT NAME Devil's Gate Reservoir Restoration #F00710004
SITE NAME AND ADDRESS Devil's Gate Reservoir
 PO #

15660169
CHAIN OF CUSTODY RECORD
 105476 119378

AETL JOB No. Page 1 of 1

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED											TEST INSTRUCTIONS & COMMENTS
							TH12 Metals	OCPS	OCPS (Yellow/171A)	SVCS	SVCS 826C	TPH-G	TPH-DIH	TPH-DIH 8015*	PCBS	PCBS 8082	VCS+oxy's	
B9-S2-1	105476.01	7-20-20	09:00	Soil	4 bags / 1 Bag J	Ice/Vac.	X	X	X	X	X	X	X	X	X	X	X	
B9-S2-5	105476.02		09:10				X	X	X	X	X	X	X	X	X	X	X	
B9-S2-10	105476.03		09:20				X	X	X	X	X	X	X	X	X	X	X	
B10-S2-1	105476.04		10:00				X	X	X	X	X	X	X	X	X	X	X	
B10-S2-5	105476.05		10:10				X	X	X	X	X	X	X	X	X	X	X	
B12-S2-1	105476.06		11:05				X	X	X	X	X	X	X	X	X	X	X	
B12-S2-5	105476.07		11:15				X	X	X	X	X	X	X	X	X	X	X	
B12-S2-10	105476.08		11:25				X	X	X	X	X	X	X	X	X	X	X	
B13-S2-1	105476.09		14:00				X	X	X	X	X	X	X	X	X	X	X	
B12-S2-5	105476.10		14:10				X	X	X	X	X	X	X	X	X	X	X	
B13-S2-10	105476.11		14:20				X	X	X	X	X	X	X	X	X	X	X	

TOTAL NUMBER OF CONTAINERS: 66

BILLING INFORMATION / SPECIAL INSTRUCTIONS

TURN AROUND TIME

NORMAL SAME DAY RUSH NEXT DAY RUSH 4-DAYS RUSH

2-DAYS RUSH 3-DAYS RUSH OTHER (PLEASE SPECIFY)

DATA DELIVERABLE REQUIRED

HARD COPY E-COPY GEOTRACKER (GLOBAL ID) OTHER (PLEASE SPECIFY)

RELINQUISHED BY SAMPLER: Signature: [Signature] Printed Name: [Name] Date: 7-20-20 Time: 16:54

RECEIVED BY: Signature: [Signature] Printed Name: [Name] Date: 7-20-20 Time: 17:40

RELINQUISHED BY: Signature: [Signature] Printed Name: [Name] Date: 7-20-20 Time: 17:40

RECEIVED BY LABORATORY: Signature: [Signature] Printed Name: [Name] Date: 7-20-20 Time: 17:40

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



A KYZER LABS COMPANY

AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 N. NAOMI ST. BURBANK, CALIFORNIA 91504 ELAP# 1541 & 2402 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: <u>CACPW</u>			
Project Name:			
AETL Job Number: <u>105476</u>			
Date Received: <u>07/20/20</u>		Received by: <u>Auto</u>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.3°</u> , No 2: _____, No 3: _____			
Type of sample containers: <input checked="" type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input checked="" type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input type="checkbox"/> Others (Specify): <u>11x 5035 kits</u>			
How are samples preserved: <input type="checkbox"/> None, <input checked="" type="checkbox"/> Ice, <input type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input checked="" type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify): <u>NaHSO₄H₂O</u>			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>X</u>		
2. Are the Sample labels legible?	<u>X</u>		
3. Do samples match the COC?	<u>X</u>		
4. Are the required analyses clear?	<u>X</u>		
5. Is there enough samples for required analysis?	<u>X</u>		
6. Are samples sealed with evidence tape?		<u>X</u>	
7. Are sample containers in good condition?	<u>X</u>		
8. Are samples preserved?	<u>X</u>		
9. Are samples preserved properly for the intended analysis?	<u>X</u>		
10. Are the VOAs free of headspace?	<u>N/A</u>		
11. Are the jars free of headspace?	<u>X</u>		

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.

Explain all "No" answers for above questions:



Certificate of Analysis

FINAL REPORT

Work Orders: OG21075

Project: 105476

Attn: Jim Lin

Client: American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Report Date: 7/27/2020

Received Date: 7/21/2020

Turnaround Time: 2 workdays

Phones: (818) 845-8200

Fax: (818) 845-8840

P.O. #: 31879-Sub

Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 •
NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Jim Lin,

Enclosed are the results of analyses for samples received 7/21/20 with the Chain-of-Custody document. The samples were received in good condition, at 16.4 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Regina M. Giancola
Project Manager





WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105476

Project Manager: Jim Lin

Certificate of Analysis

FINAL REPORT

Reported:
07/27/2020 11:59

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
105476.01	Client	0G21075-01	Solid	07/20/20 09:00	
105476.02	Client	0G21075-02	Solid	07/20/20 09:10	
105476.03	Client	0G21075-03	Solid	07/20/20 09:20	
105476.04	Client	0G21075-04	Solid	07/20/20 10:00	
105476.05	Client	0G21075-05	Solid	07/20/20 10:10	
105476.06	Client	0G21075-06	Solid	07/20/20 11:05	
105476.07	Client	0G21075-07	Solid	07/20/20 11:15	
105476.08	Client	0G21075-08	Solid	07/20/20 11:25	
105476.09	Client	0G21075-09	Solid	07/20/20 14:00	
105476.10	Client	0G21075-10	Solid	07/20/20 14:10	
105476.11	Client	0G21075-11	Solid	07/20/20 14:20	

Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
EPA 547M in Solid Glyphosate	1071-83-6	✓	



Certificate of Analysis

FINAL REPORT

WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105476

Reported:
07/27/2020 11:59

Project Manager: Jim Lin

Sample Results

Sample: 105476.01
0G21075-01 (Solid) Sampled: 07/20/20 9:00 by Client

Analyte	Result	MRL	Units	DII	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: WOG1207 Instr: LC10 ND	Prepared: 07/23/20 09:45 1.0	mg/kg	1	Analyst: jna 07/24/20	

Sample: 105476.02
0G21075-02 (Solid) Sampled: 07/20/20 9:10 by Client

Analyte	Result	MRL	Units	DII	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: WOG1207 Instr: LC10 ND	Prepared: 07/23/20 09:45 1.0	mg/kg	1	Analyst: jna 07/24/20	

Sample: 105476.03
0G21075-03 (Solid) Sampled: 07/20/20 9:20 by Client

Analyte	Result	MRL	Units	DII	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: WOG1207 Instr: LC10 ND	Prepared: 07/23/20 09:45 1.0	mg/kg	1	Analyst: jna 07/24/20	

Sample: 105476.04
0G21075-04 (Solid) Sampled: 07/20/20 10:00 by Client

Analyte	Result	MRL	Units	DII	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: WOG1207 Instr: LC10 ND	Prepared: 07/23/20 09:45 1.0	mg/kg	1	Analyst: jna 07/24/20	

Sample: 105476.05
0G21075-05 (Solid) Sampled: 07/20/20 10:10 by Client

Analyte	Result	MRL	Units	DII	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: WOG1207 Instr: LC10 ND	Prepared: 07/23/20 09:45 1.0	mg/kg	1	Analyst: jna 07/24/20	

Sample: 105476.06
0G21075-06 (Solid) Sampled: 07/20/20 11:05 by Client

Analyte	Result	MRL	Units	DII	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547M Glyphosate	Batch ID: WOG1207 Instr: LC10 ND	Prepared: 07/23/20 09:45 1.0	mg/kg	1	Analyst: jna 07/24/20	



WECK LABORATORIES, INC.

American Environmental Testing Lab
2834 N Naomi Street
Burbank, CA 91504

Project Number: 105476

Project Manager: Jim Lin

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Sample Results

(Continued)

Sample: 105476.07
0G21075-07 (Solid) Sampled: 07/20/20 11:15 by Client

Analyte	Result	MRL	Units	DII	Analyzed	Qualifier
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Glyphosate by EPA 547

Method: EPA 547M Glyphosate	Batch ID: W0G1207	Instr: LC10 ND	Prepared: 07/23/20 09:45 1.0 mg/kg	Analyst: jna 07/24/20
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Sample: 105476.08
0G21075-08 (Solid) Sampled: 07/20/20 11:25 by Client

Analyte	Result	MRL	Units	DII	Analyzed	Qualifier
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Glyphosate by EPA 547

Method: EPA 547M Glyphosate	Batch ID: W0G1207	Instr: LC10 ND	Prepared: 07/23/20 09:45 1.0 mg/kg	Analyst: jna 07/24/20
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Sample: 105476.09
0G21075-09 (Solid) Sampled: 07/20/20 14:00 by Client

Analyte	Result	MRL	Units	DII	Analyzed	Qualifier
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Glyphosate by EPA 547

Method: EPA 547M Glyphosate	Batch ID: W0G1207	Instr: LC10 ND	Prepared: 07/23/20 09:45 1.0 mg/kg	Analyst: jna 07/24/20
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Sample: 105476.10
0G21075-10 (Solid) Sampled: 07/20/20 14:10 by Client

Analyte	Result	MRL	Units	DII	Analyzed	Qualifier
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Glyphosate by EPA 547

Method: EPA 547M Glyphosate	Batch ID: W0G1207	Instr: LC10 ND	Prepared: 07/23/20 09:45 1.0 mg/kg	Analyst: jna 07/24/20
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Sample: 105476.11
0G21075-11 (Solid) Sampled: 07/20/20 14:20 by Client

Analyte	Result	MRL	Units	DII	Analyzed	Qualifier
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Glyphosate by EPA 547

Method: EPA 547M Glyphosate	Batch ID: W0G1207	Instr: LC10 ND	Prepared: 07/23/20 09:45 1.0 mg/kg	Analyst: jna 07/24/20
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Quality Control Results

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0G1207 - EPA 547M										
Blank (W0G1207-BLK1)										
Glyphosate	ND	1.0	mg/kg	Prepared: 07/23/20 Analyzed: 07/24/20						
LCS (W0G1207-BS1)										
Glyphosate	3.52	1.0	mg/kg	5.00	70	50-150				
Matrix Spike (W0G1207-MS1)										
Glyphosate	3.59	1.0	mg/kg	5.05	ND	71	50-150			
Matrix Spike (W0G1207-MS2)										
Glyphosate	3.27	1.0	mg/kg	5.03	ND	65	50-150			
Matrix Spike Dup (W0G1207-MSD1)										
Glyphosate	3.33	1.0	mg/kg	4.95	ND	67	50-150	8	30	
Matrix Spike Dup (W0G1207-MSD2)										
Glyphosate	2.48	1.0	mg/kg	4.95	ND	50	50-150	28	30	



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Notes and Definitions

Item	Definition
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

CHAIN OF CUSTODY RECORD

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CLIENT NAME: ACTL		PROJECT: 105476		ANALYSIS REQUESTED:		SPECIAL HANDLING: <input type="checkbox"/> Same Day Rush <input type="checkbox"/> 24-Hour Rush <input checked="" type="checkbox"/> 48-72 Hour Rush <input type="checkbox"/> 4-6 Day Rush <input type="checkbox"/> Rush Extraction <input type="checkbox"/> 10-15 Business Days <input type="checkbox"/> QA/QC Package <small>Additional surcharges will apply for rush requests, weekends & holidays.</small>	
ADDRESS: 2834 N. Naomi St, Burbank		PHONE #: (818) 845-8200		FAX #: (818) 845-8840		COMMENTS:	
PROJECT MANAGER: Jim L...		SAMPLER:		RO. #: 31879 - Sid			
ID # (For Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	DATE/TIME RECEIVED BY:	DATE/TIME
	07/29/09	0900	Soil	105476.01		<i>[Signature]</i>	7/21/10
		0910		105476.02		<i>[Signature]</i>	12.13
		0920		105476.03		<i>[Signature]</i>	
		1000		105476.04		<i>[Signature]</i>	
		1010		105476.05		<i>[Signature]</i>	
		1105		105476.06		<i>[Signature]</i>	
		1115		105476.07		<i>[Signature]</i>	
		1125		105476.08		<i>[Signature]</i>	
		1400		105476.09		<i>[Signature]</i>	
		1410		105476.10		<i>[Signature]</i>	
RELINQUISHED BY: <i>[Signature]</i>		RECEIVED BY:		DATE/TIME		SAMPLE CONDITION: Actual Temperature 16.45C Received on Ice <input checked="" type="checkbox"/> Preserved at Lab <input checked="" type="checkbox"/> Preserved <input checked="" type="checkbox"/> Evidence Seals Present <input checked="" type="checkbox"/> Evidence Seals Intact <input checked="" type="checkbox"/> Container Intact <input checked="" type="checkbox"/> Method of Shipment T-0234	
SIGNATURE: <i>[Signature]</i>		SIGNATURE: <i>[Signature]</i>		PRINT NAME: Lewin Romera		SAMPLE TYPE CODE: AQ = Aqueous NA = Non Aqueous BL = Sludge DW = Drinking Water WW = Waste Water RW = Rain Water GW = Ground Water SO = Soil SW = Solid Waste OL = Oil OT = Other Matrix	
SIGNATURE: <i>[Signature]</i>		SIGNATURE: <i>[Signature]</i>		PRINT NAME: Lewin Romera			
SIGNATURE: <i>[Signature]</i>		SIGNATURE: <i>[Signature]</i>		PRINT NAME: Lewin Romera			

PRESCHEDULED RUSH ANALYSES WILL TAKE PRIORITY OVER UNSCHEDULED RUSH REQUESTS. CLIENT AGREES TO TERMS AND CONDITIONS (SEE BACK OF THIS FORM OR AT WWW.WECKLABS.COM)

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CHAIN OF CUSTODY RECORD

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 0621075

CLIENT NAME: ACTL		PROJECT: 105476		ANALYSIS REQUESTED		SPECIAL HANDLING <input type="checkbox"/> Same Day Rush <input type="checkbox"/> 24 Hour Rush <input checked="" type="checkbox"/> 48-72 Hour Rush <input type="checkbox"/> 4-5 Day Rush <input type="checkbox"/> Flush Extraction <input type="checkbox"/> 10-15 Business Days <input type="checkbox"/> QA/QC Package <small>Additional surcharges will apply for rush requests, weekends & holidays.</small>	
ADDRESS: 2834 N. Naomi St, Burbank CA		PHONE #: (818) 845-8200		COMMENTS: K. Skyploske CHM K. Rajan		SAMPLE TYPE CODE: AQ = Aqueous NA = Non Aqueous SL = Sludge DW = Drinking Water WW = Waste Water RW = Rain Water GW = Ground Water SO = Soil OL = Oil OT = Other Matrix	
PROJECT MANAGER: Timlin		FAX #: (818) 845-8840					
SAMPLER:		E-MAIL:		DATE / TIME		SAMPLE CONDITION:	
P.O. #:		RECEIVED BY:		DATE / TIME		Actual Temperature 16.4°C	
SAMPLE IDENTIFICATION/SITE LOCATION		SIGNATURE		DATE / TIME		Received on Ice	
1420 Soil		Carla Garcia		7-21-00		Preserved at Lab	
105476-11		Kevin Romanoff		13:13		Preserved	
# OF CONT.		SIGNATURE		DATE / TIME		Evidence Seals Present	
31879-Sub		Timlin		7/21/00		Evidence Seals Intact	
		SIGNATURE		DATE / TIME		Container Intact	
		Carla Garcia		7/21/00		Method of Shipment	
		SIGNATURE		DATE / TIME		T-0224	
		Kevin Romanoff		13:13			
		SIGNATURE		DATE / TIME			
		Timlin		7/21/00			
		SIGNATURE		DATE / TIME			
		Carla Garcia		13:13			
		SIGNATURE		DATE / TIME			
		Kevin Romanoff		13:13			
		SIGNATURE		DATE / TIME			
		Timlin		7/21/00			
		SIGNATURE		DATE / TIME			
		Carla Garcia		13:13			
		SIGNATURE		DATE / TIME			
		Kevin Romanoff		13:13			
		SIGNATURE		DATE / TIME			
		Timlin		7/21/00			
		SIGNATURE		DATE / TIME			
		Carla Garcia		13:13			
		SIGNATURE		DATE / TIME			
		Kevin Romanoff		13:13			

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