



## ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Report Date: December 20, 2017 14:02

**Project: 95414**

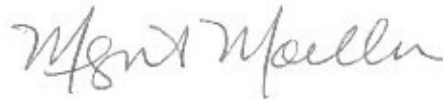
Account #: 10880  
Group Number: 1809679  
PO Number: 0015239580  
Release Number: CARRIER  
State of Sample Origin: AK

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Electronic Copy To GHD  
Electronic Copy To GHD  
Electronic Copy To GHD  
Electronic Copy To GHD  
Electronic Copy To Chevron

Attn: GHD EDF  
Attn: Siobhan Pritchard  
Attn: Sarah Gillette  
Attn: Jeffrey Cloud  
Attn: GHD EDD

Respectfully Submitted,



Megan A. Moeller  
Senior Specialist

(717) 556-7261



### SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
MW-10-W-170601 Grab Groundwater	06/01/2017 08:13	9031946
MW-8-W-170601 Grab Groundwater	06/01/2017 09:33	9031947
MW-4-W-170601 Grab Groundwater	06/01/2017 10:51	9031948
MW-7-W-170601 Grab Groundwater	06/01/2017 12:29	9031949
MW-5-W-170601 Grab Groundwater	06/01/2017 13:23	9031950
MW-2-W-170601 Grab Groundwater	06/01/2017 14:32	9031951
MW-1-W-170601 Grab Groundwater	06/01/2017 15:25	9031952
MW-6-W-170601 Grab Groundwater	06/01/2017 16:19	9031953
MW-3-W-170601 Grab Groundwater	06/01/2017 17:20	9031954
DUP-1-WD-170601 Grab Groundwater	06/01/2017	9031955
QA-1-T-170601 NA Water	06/01/2017	9031956

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Project Name: 95414  
ELLE Group #: 1809679

**General Comments:**

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below.

Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

For dual column analyses, the surrogate (for multi-surrogate tests, at least one surrogate) must be within the acceptance limits on at least one of the two columns.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

**Analysis Specific Comments:**

**SW-846 8260B, GC/MS Volatiles**

Sample #s: 9031949

Reporting limits were raised due to interference from the sample matrix.

**Sample Description:** MW-10-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031946  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35

**Collection Date/Time:** 06/01/2017 08:13

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	N.D.	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	N.D.	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	0.003	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	N.D.	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	N.D.	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	N.D.	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-10-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031946  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 08:13

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>SW-846 8260B</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Toluene	108-88-3	N.D.	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	N.D.	0.0005	0.001	1
<b>GC/MS Semivolatiles</b>			<b>SW-846 8270C SIM</b>	<b>mg/l</b>	<b>mg/l</b>	
08357	Acenaphthene	83-32-9	N.D.	0.0000095	0.000047	1
08357	Acenaphthylene	208-96-8	N.D.	0.0000095	0.000047	1
08357	Anthracene	120-12-7	N.D.	0.0000095	0.000047	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000095	0.000047	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000095	0.000047	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0000095	0.000047	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0000095	0.000047	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000095	0.000047	1
08357	Chrysene	218-01-9	N.D.	0.0000095	0.000047	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000095	0.000047	1
08357	Fluoranthene	206-44-0	N.D.	0.0000095	0.000047	1
08357	Fluorene	86-73-7	N.D.	0.0000095	0.000047	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000095	0.000047	1
08357	Naphthalene	91-20-3	N.D.	0.000028	0.000057	1
08357	Phenanthrene	85-01-8	N.D.	0.000028	0.000057	1
08357	Pyrene	129-00-0	N.D.	0.0000095	0.000047	1
<b>GC Volatiles</b>			<b>AK 101</b>	<b>mg/l</b>	<b>mg/l</b>	
01438	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	0.10	1
<b>GC Petroleum Hydrocarbons</b>			<b>AK 102-SV 4/8/02</b>	<b>mg/l</b>	<b>mg/l</b>	
13025	DRO C10-C25	n.a.	0.64	0.053	0.26	1

### Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-10-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031946  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 08:13

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y171601AA	06/09/2017 23:00	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y171601AA	06/09/2017 23:00	Kevin D Kelly	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17158WAA026	06/14/2017 14:55	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17158WAA026	06/08/2017 00:15	Nadia Bernabe	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17159A53A	06/08/2017 14:03	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17159A53A	06/08/2017 14:03	Jeremy C Giffin	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	171580044A	06/09/2017 00:50	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	171580044A	06/08/2017 08:00	Osvaldo R Sanchez	1

\*=This limit was used in the evaluation of the final result

**Sample Description:** MW-8-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031947  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 09:33

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Acetone	67-64-1	0.006 J	0.006	0.020	1
10335	Benzene	71-43-2	0.042	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	0.056	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	0.0009 J	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	0.058	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	0.008	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	0.028	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	0.008	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-8-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031947  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 09:33

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>SW-846 8260B</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Toluene	108-88-3	0.003	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	0.055	0.0005	0.001	1
<b>GC/MS Semivolatiles</b>			<b>SW-846 8270C SIM</b>	<b>mg/l</b>	<b>mg/l</b>	
08357	Acenaphthene	83-32-9	0.000019 J	0.0000098	0.000049	1
08357	Acenaphthylene	208-96-8	N.D.	0.0000098	0.000049	1
08357	Anthracene	120-12-7	N.D.	0.0000098	0.000049	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000098	0.000049	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000098	0.000049	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0000098	0.000049	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0000098	0.000049	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000098	0.000049	1
08357	Chrysene	218-01-9	N.D.	0.0000098	0.000049	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000098	0.000049	1
08357	Fluoranthene	206-44-0	N.D.	0.0000098	0.000049	1
08357	Fluorene	86-73-7	N.D.	0.0000098	0.000049	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000098	0.000049	1
08357	Naphthalene	91-20-3	N.D.	0.000029	0.000059	1
08357	Phenanthrene	85-01-8	N.D.	0.000029	0.000059	1
08357	Pyrene	129-00-0	N.D.	0.0000098	0.000049	1
<b>GC Volatiles</b>			<b>AK 101</b>	<b>mg/l</b>	<b>mg/l</b>	
01438	TPH-GRO AK water C6-C10	n.a.	1.7	0.010	0.10	1
<b>GC Petroleum Hydrocarbons</b>			<b>AK 102-SV 4/8/02</b>	<b>mg/l</b>	<b>mg/l</b>	
13025	DRO C10-C25	n.a.	0.75	0.052	0.26	1

### Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result



REVISED

**Sample Description:** MW-8-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031947  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 09:33

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y171601AA	06/10/2017 02:41	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y171601AA	06/10/2017 02:41	Kevin D Kelly	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17158WAA026	06/14/2017 15:27	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17158WAA026	06/08/2017 00:15	Nadia Bernabe	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17159A53A	06/08/2017 14:30	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17159A53A	06/08/2017 14:30	Jeremy C Giffin	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	171580044A	06/09/2017 01:14	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	171580044A	06/08/2017 08:00	Osvaldo R Sanchez	1

\*=This limit was used in the evaluation of the final result

**Sample Description:** MW-4-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031948  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35

**Collection Date/Time:** 06/01/2017 10:51

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>						
		<b>SW-846 8260B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	N.D.	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	N.D.	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	0.0007 J	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	0.0009 J	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	N.D.	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	N.D.	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	N.D.	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-4-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031948  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 10:51

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>SW-846 8260B</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Toluene	108-88-3	N.D.	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	N.D.	0.0005	0.001	1
<b>GC/MS Semivolatiles</b>			<b>SW-846 8270C SIM</b>	<b>mg/l</b>	<b>mg/l</b>	
08357	Acenaphthene	83-32-9	N.D.	0.000010	0.000050	1
08357	Acenaphthylene	208-96-8	N.D.	0.000010	0.000050	1
08357	Anthracene	120-12-7	N.D.	0.000010	0.000050	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.000010	0.000050	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.000010	0.000050	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.000010	0.000050	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.000010	0.000050	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.000010	0.000050	1
08357	Chrysene	218-01-9	N.D.	0.000010	0.000050	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.000010	0.000050	1
08357	Fluoranthene	206-44-0	N.D.	0.000010	0.000050	1
08357	Fluorene	86-73-7	N.D.	0.000010	0.000050	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.000010	0.000050	1
08357	Naphthalene	91-20-3	N.D.	0.000030	0.000060	1
08357	Phenanthrene	85-01-8	N.D.	0.000030	0.000060	1
08357	Pyrene	129-00-0	N.D.	0.000010	0.000050	1
<b>GC Volatiles</b>			<b>AK 101</b>	<b>mg/l</b>	<b>mg/l</b>	
01438	TPH-GRO AK water C6-C10	n.a.	0.021 J	0.010	0.10	1
<b>GC Petroleum Hydrocarbons</b>			<b>AK 102-SV 4/8/02</b>	<b>mg/l</b>	<b>mg/l</b>	
13025	DRO C10-C25	n.a.	0.33	0.052	0.26	1

### Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-4-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031948  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35

**Collection Date/Time:** 06/01/2017 10:51

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y171601AA	06/09/2017 23:22	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y171601AA	06/09/2017 23:22	Kevin D Kelly	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17158WAA026	06/14/2017 15:59	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17158WAA026	06/08/2017 00:15	Nadia Bernabe	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17159A53A	06/08/2017 14:58	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17159A53A	06/08/2017 14:58	Jeremy C Giffin	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	171580044A	06/09/2017 01:38	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	171580044A	06/08/2017 08:00	Osvaldo R Sanchez	1

\*=This limit was used in the evaluation of the final result

**Sample Description:** MW-7-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031949  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

Submission Date/Time: 06/06/2017 09:35

Collection Date/Time: 06/01/2017 12:29

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Acetone	67-64-1	N.D.	0.012	0.040	2
10335	Benzene	71-43-2	0.18	0.001	0.002	2
10335	Bromodichloromethane	75-27-4	N.D.	0.001	0.002	2
10335	Bromoform	75-25-2	N.D.	0.001	0.008	2
10335	Bromomethane	74-83-9	N.D.	0.001	0.002	2
10335	2-Butanone	78-93-3	N.D.	0.006	0.020	2
10335	Carbon Disulfide	75-15-0	N.D.	0.002	0.010	2
10335	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.002	2
10335	Chlorobenzene	108-90-7	N.D.	0.001	0.002	2
10335	Chloroethane	75-00-3	N.D.	0.001	0.002	2
10335	Chloroform	67-66-3	N.D.	0.001	0.002	2
10335	Chloromethane	74-87-3	N.D.	0.001	0.002	2
10335	Cyclohexane	110-82-7	0.27	0.004	0.010	2
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.004	0.010	2
10335	Dibromochloromethane	124-48-1	N.D.	0.001	0.002	2
10335	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.002	2
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.002	0.010	2
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.002	0.010	2
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.002	0.010	2
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.001	0.002	2
10335	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.002	2
10335	1,2-Dichloroethane	107-06-2	0.001 J	0.001	0.002	2
10335	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.002	2
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.002	2
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.002	2
10335	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.002	2
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.002	2
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.002	2
10335	Ethylbenzene	100-41-4	0.29	0.001	0.002	2
10335	Freon 113	76-13-1	N.D.	0.004	0.020	2
10335	2-Hexanone	591-78-6	N.D.	0.006	0.020	2
10335	Isopropylbenzene	98-82-8	0.026	0.002	0.010	2
10335	Methyl Acetate	79-20-9	N.D.	0.002	0.010	2
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.002	2
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.006	0.020	2
10335	Methylcyclohexane	108-87-2	0.091	0.002	0.010	2
10335	Methylene Chloride	75-09-2	N.D.	0.004	0.008	2
10335	Naphthalene	91-20-3	0.072	0.002	0.010	2
10335	Styrene	100-42-5	N.D.	0.002	0.010	2
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.002	2
10335	Tetrachloroethene	127-18-4	N.D.	0.001	0.002	2

\*=This limit was used in the evaluation of the final result

**Sample Description:** MW-7-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031949  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 12:29

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>		<b>SW-846 8260B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Toluene	108-88-3	0.018	0.001	0.002	2
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.002	0.010	2
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.002	2
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.002	2
10335	Trichloroethene	79-01-6	N.D.	0.001	0.002	2
10335	Trichlorofluoromethane	75-69-4	N.D.	0.001	0.002	2
10335	Vinyl Chloride	75-01-4	N.D.	0.001	0.002	2
10335	Xylene (Total)	1330-20-7	0.53	0.001	0.002	2

Reporting limits were raised due to interference from the sample matrix.

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Semivolatiles</b>		<b>SW-846 8270C SIM</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
08357	Acenaphthene	83-32-9	0.000010 J	0.0000095	0.000047	1
08357	Acenaphthylene	208-96-8	N.D.	0.0000095	0.000047	1
08357	Anthracene	120-12-7	N.D.	0.0000095	0.000047	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000095	0.000047	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000095	0.000047	1
08357	Benzo(b)fluoranthene	205-99-2	0.000011 J	0.0000095	0.000047	1
08357	Benzo(g,h,i)perylene	191-24-2	0.000010 J	0.0000095	0.000047	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000095	0.000047	1
08357	Chrysene	218-01-9	N.D.	0.0000095	0.000047	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000095	0.000047	1
08357	Fluoranthene	206-44-0	N.D.	0.0000095	0.000047	1
08357	Fluorene	86-73-7	N.D.	0.0000095	0.000047	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000095	0.000047	1
08357	Naphthalene	91-20-3	0.024	0.00014	0.00028	5
08357	Phenanthrene	85-01-8	N.D.	0.000028	0.000057	1
08357	Pyrene	129-00-0	N.D.	0.0000095	0.000047	1

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>AK 101</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
01438	TPH-GRO AK water C6-C10	n.a.	6.9	0.10	1.0	10

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC Petroleum Hydrocarbons</b>		<b>AK 102-SV 4/8/02</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
13025	DRO C10-C25	n.a.	1.4	0.050	0.25	1

### Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-7-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031949  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35

**Collection Date/Time:** 06/01/2017 12:29

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y171633AA	06/13/2017 01:54	Matthew S Krause	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y171633AA	06/13/2017 01:54	Matthew S Krause	2
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17158WAA026	06/14/2017 16:31	Joseph M Gambler	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17158WAA026	06/14/2017 20:13	Joseph M Gambler	5
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17158WAA026	06/08/2017 00:15	Nadia Bernabe	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17159A53A	06/08/2017 19:37	Jeremy C Giffin	10
01146	GC VOA Water Prep	SW-846 5030B	1	17159A53A	06/08/2017 19:37	Jeremy C Giffin	10
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	171580044A	06/09/2017 02:02	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	171580044A	06/08/2017 08:00	Osvaldo R Sanchez	1

\*=This limit was used in the evaluation of the final result

**Sample Description:** MW-5-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031950  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35

**Collection Date/Time:** 06/01/2017 13:23

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	0.016	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	0.046	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	0.016	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	0.002 J	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	0.013	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	0.002 J	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

\*=This limit was used in the evaluation of the final result



REVISED

**Sample Description:** MW-5-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031950  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 13:23

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>SW-846 8260B</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Toluene	108-88-3	0.004	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	0.062	0.0005	0.001	1
<b>GC/MS Semivolatiles</b>			<b>SW-846 8270C SIM</b>	<b>mg/l</b>	<b>mg/l</b>	
08357	Acenaphthene	83-32-9	N.D.	0.0000098	0.000049	1
08357	Acenaphthylene	208-96-8	N.D.	0.0000098	0.000049	1
08357	Anthracene	120-12-7	N.D.	0.0000098	0.000049	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000098	0.000049	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000098	0.000049	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0000098	0.000049	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0000098	0.000049	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000098	0.000049	1
08357	Chrysene	218-01-9	N.D.	0.0000098	0.000049	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000098	0.000049	1
08357	Fluoranthene	206-44-0	N.D.	0.0000098	0.000049	1
08357	Fluorene	86-73-7	N.D.	0.0000098	0.000049	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000098	0.000049	1
08357	Naphthalene	91-20-3	0.00067	0.000029	0.000059	1
08357	Phenanthrene	85-01-8	N.D.	0.000029	0.000059	1
08357	Pyrene	129-00-0	N.D.	0.0000098	0.000049	1
<b>GC Volatiles</b>			<b>AK 101</b>	<b>mg/l</b>	<b>mg/l</b>	
01438	TPH-GRO AK water C6-C10	n.a.	0.78	0.010	0.10	1
<b>GC Petroleum Hydrocarbons</b>			<b>AK 102-SV 4/8/02</b>	<b>mg/l</b>	<b>mg/l</b>	
13025	DRO C10-C25	n.a.	0.52	0.050	0.25	1

### Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-5-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031950  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 13:23

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y171641AA	06/13/2017 11:18	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y171641AA	06/13/2017 11:18	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17158WAA026	06/14/2017 17:02	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17158WAA026	06/08/2017 00:15	Nadia Bernabe	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17159A53A	06/08/2017 15:26	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17159A53A	06/08/2017 15:26	Jeremy C Giffin	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	171580044A	06/09/2017 02:26	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	171580044A	06/08/2017 08:00	Osvaldo R Sanchez	1

\*=This limit was used in the evaluation of the final result

**Sample Description:** MW-2-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031951  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 14:32

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	N.D.	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	N.D.	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	N.D.	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	N.D.	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	N.D.	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-2-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
ELLE Sample #: WW 9031951  
ELLE Group #: 1809679  
Matrix: Groundwater

**Project Name:** 95414

Submittal Date/Time: 06/06/2017 09:35  
Collection Date/Time: 06/01/2017 14:32

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>SW-846 8260B</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Toluene	108-88-3	N.D.	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	N.D.	0.0005	0.001	1
<b>GC/MS Semivolatiles</b>			<b>SW-846 8270C SIM</b>	<b>mg/l</b>	<b>mg/l</b>	
08357	Acenaphthene	83-32-9	N.D.	0.0000098	0.000049	1
08357	Acenaphthylene	208-96-8	N.D.	0.0000098	0.000049	1
08357	Anthracene	120-12-7	N.D.	0.0000098	0.000049	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000098	0.000049	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000098	0.000049	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0000098	0.000049	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0000098	0.000049	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000098	0.000049	1
08357	Chrysene	218-01-9	N.D.	0.0000098	0.000049	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000098	0.000049	1
08357	Fluoranthene	206-44-0	N.D.	0.0000098	0.000049	1
08357	Fluorene	86-73-7	N.D.	0.0000098	0.000049	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000098	0.000049	1
08357	Naphthalene	91-20-3	N.D.	0.000030	0.000059	1
08357	Phenanthrene	85-01-8	N.D.	0.000030	0.000059	1
08357	Pyrene	129-00-0	N.D.	0.0000098	0.000049	1
<b>GC Volatiles</b>			<b>AK 101</b>	<b>mg/l</b>	<b>mg/l</b>	
01438	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	0.10	1
<b>GC Petroleum Hydrocarbons</b>			<b>AK 102-SV 4/8/02</b>	<b>mg/l</b>	<b>mg/l</b>	
13025	DRO C10-C25	n.a.	0.12 J	0.050	0.25	1

### Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-2-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031951  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 14:32

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y171601AA	06/10/2017 00:07	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y171601AA	06/10/2017 00:07	Kevin D Kelly	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17158WAA026	06/14/2017 17:34	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17158WAA026	06/08/2017 00:15	Nadia Bernabe	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17159A53A	06/08/2017 16:22	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17159A53A	06/08/2017 16:22	Jeremy C Giffin	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	171580044A	06/09/2017 02:50	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	171580044A	06/08/2017 08:00	Osvaldo R Sanchez	1

\*=This limit was used in the evaluation of the final result

**Sample Description:** MW-1-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031952  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

Submittal Date/Time: 06/06/2017 09:35

Collection Date/Time: 06/01/2017 15:25

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	0.009	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	0.004 J	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	0.0005 J	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	0.0008 J	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	0.001 J	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	0.001 J	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-1-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031952  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 15:25

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>SW-846 8260B</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Toluene	108-88-3	0.002	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	0.017	0.0005	0.001	1
<b>GC/MS Semivolatiles</b>			<b>SW-846 8270C SIM</b>	<b>mg/l</b>	<b>mg/l</b>	
08357	Acenaphthene	83-32-9	N.D.	0.0000095	0.000047	1
08357	Acenaphthylene	208-96-8	N.D.	0.0000095	0.000047	1
08357	Anthracene	120-12-7	N.D.	0.0000095	0.000047	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000095	0.000047	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000095	0.000047	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0000095	0.000047	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0000095	0.000047	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000095	0.000047	1
08357	Chrysene	218-01-9	N.D.	0.0000095	0.000047	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000095	0.000047	1
08357	Fluoranthene	206-44-0	N.D.	0.0000095	0.000047	1
08357	Fluorene	86-73-7	N.D.	0.0000095	0.000047	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000095	0.000047	1
08357	Naphthalene	91-20-3	0.000072	0.000028	0.000057	1
08357	Phenanthrene	85-01-8	N.D.	0.000028	0.000057	1
08357	Pyrene	129-00-0	N.D.	0.0000095	0.000047	1
<b>GC Volatiles</b>			<b>AK 101</b>	<b>mg/l</b>	<b>mg/l</b>	
01438	TPH-GRO AK water C6-C10	n.a.	0.28	0.010	0.10	1
<b>GC Petroleum Hydrocarbons</b>			<b>AK 102-SV 4/8/02</b>	<b>mg/l</b>	<b>mg/l</b>	
13025	DRO C10-C25	n.a.	0.23 J	0.052	0.26	1

### Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-1-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031952  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35

**Collection Date/Time:** 06/01/2017 15:25

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y171601AA	06/10/2017 00:29	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y171601AA	06/10/2017 00:29	Kevin D Kelly	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17158WAA026	06/14/2017 18:06	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17158WAA026	06/08/2017 00:15	Nadia Bernabe	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17159A53A	06/08/2017 16:50	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17159A53A	06/08/2017 16:50	Jeremy C Giffin	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	171580044A	06/09/2017 03:14	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	171580044A	06/08/2017 08:00	Oswaldo R Sanchez	1

\*=This limit was used in the evaluation of the final result



**Sample Description:** MW-6-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031953  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

Submission Date/Time: 06/06/2017 09:35

Collection Date/Time: 06/01/2017 16:19

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	N.D.	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	N.D.	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	N.D.	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	N.D.	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	N.D.	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-6-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031953  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 16:19

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>SW-846 8260B</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Toluene	108-88-3	N.D.	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	N.D.	0.0005	0.001	1
<b>GC/MS Semivolatiles</b>			<b>SW-846 8270C SIM</b>	<b>mg/l</b>	<b>mg/l</b>	
08357	Acenaphthene	83-32-9	0.000068	0.0000095	0.000047	1
08357	Acenaphthylene	208-96-8	0.000022 J	0.0000095	0.000047	1
08357	Anthracene	120-12-7	N.D.	0.0000095	0.000047	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000095	0.000047	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000095	0.000047	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0000095	0.000047	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0000095	0.000047	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000095	0.000047	1
08357	Chrysene	218-01-9	N.D.	0.0000095	0.000047	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000095	0.000047	1
08357	Fluoranthene	206-44-0	N.D.	0.0000095	0.000047	1
08357	Fluorene	86-73-7	0.000037 J	0.0000095	0.000047	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000095	0.000047	1
08357	Naphthalene	91-20-3	0.098	0.0014	0.0028	50
08357	Phenanthrene	85-01-8	N.D.	0.000028	0.000057	1
08357	Pyrene	129-00-0	N.D.	0.0000095	0.000047	1
<b>GC Volatiles</b>			<b>AK 101</b>	<b>mg/l</b>	<b>mg/l</b>	
01438	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	0.10	1
<b>GC Petroleum Hydrocarbons</b>			<b>AK 102-SV 4/8/02</b>	<b>mg/l</b>	<b>mg/l</b>	
13025	DRO C10-C25	n.a.	3.0	0.051	0.25	1

### Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-6-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031953  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35

**Collection Date/Time:** 06/01/2017 16:19

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y171601AA	06/10/2017 00:51	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y171601AA	06/10/2017 00:51	Kevin D Kelly	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17158WAA026	06/14/2017 18:38	Joseph M Gambler	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17158WAA026	06/14/2017 20:45	Joseph M Gambler	50
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17158WAA026	06/08/2017 00:15	Nadia Bernabe	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17159A53A	06/08/2017 17:18	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17159A53A	06/08/2017 17:18	Jeremy C Giffin	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	171580044A	06/09/2017 03:38	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	171580044A	06/08/2017 08:00	Osvaldo R Sanchez	1

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-3-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031954  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 17:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Acetone	67-64-1	N.D.	0.012	0.040	2
10335	Benzene	71-43-2	0.13	0.001	0.002	2
10335	Bromodichloromethane	75-27-4	N.D.	0.001	0.002	2
10335	Bromoform	75-25-2	N.D.	0.001	0.008	2
10335	Bromomethane	74-83-9	N.D.	0.001	0.002	2
10335	2-Butanone	78-93-3	N.D.	0.006	0.020	2
10335	Carbon Disulfide	75-15-0	N.D.	0.002	0.010	2
10335	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.002	2
10335	Chlorobenzene	108-90-7	N.D.	0.001	0.002	2
10335	Chloroethane	75-00-3	N.D.	0.001	0.002	2
10335	Chloroform	67-66-3	N.D.	0.001	0.002	2
10335	Chloromethane	74-87-3	N.D.	0.001	0.002	2
10335	Cyclohexane	110-82-7	0.22	0.004	0.010	2
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.004	0.010	2
10335	Dibromochloromethane	124-48-1	N.D.	0.001	0.002	2
10335	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.002	2
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.002	0.010	2
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.002	0.010	2
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.002	0.010	2
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.001	0.002	2
10335	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.002	2
10335	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.002	2
10335	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.002	2
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.002	2
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.002	2
10335	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.002	2
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.002	2
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.002	2
10335	Ethylbenzene	100-41-4	0.41	0.001	0.002	2
10335	Freon 113	76-13-1	N.D.	0.004	0.020	2
10335	2-Hexanone	591-78-6	N.D.	0.006	0.020	2
10335	Isopropylbenzene	98-82-8	0.029	0.002	0.010	2
10335	Methyl Acetate	79-20-9	N.D.	0.002	0.010	2
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.002	2
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.006	0.020	2
10335	Methylcyclohexane	108-87-2	0.13	0.002	0.010	2
10335	Methylene Chloride	75-09-2	N.D.	0.004	0.008	2
10335	Naphthalene	91-20-3	0.18	0.002	0.010	2
10335	Styrene	100-42-5	N.D.	0.002	0.010	2
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.002	2
10335	Tetrachloroethene	127-18-4	N.D.	0.001	0.002	2

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-3-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031954  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35

**Collection Date/Time:** 06/01/2017 17:20

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>SW-846 8260B</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Toluene	108-88-3	0.041	0.001	0.002	2
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.002	0.010	2
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.002	2
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.002	2
10335	Trichloroethene	79-01-6	N.D.	0.001	0.002	2
10335	Trichlorofluoromethane	75-69-4	N.D.	0.001	0.002	2
10335	Vinyl Chloride	75-01-4	N.D.	0.001	0.002	2
10335	Xylene (Total)	1330-20-7	1.7	0.010	0.020	20
<b>GC/MS Semivolatiles</b>			<b>SW-846 8270C SIM</b>	<b>mg/l</b>	<b>mg/l</b>	
08357	Acenaphthene	83-32-9	N.D.	0.0000099	0.000050	1
08357	Acenaphthylene	208-96-8	N.D.	0.0000099	0.000050	1
08357	Anthracene	120-12-7	N.D.	0.0000099	0.000050	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000099	0.000050	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000099	0.000050	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0000099	0.000050	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0000099	0.000050	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000099	0.000050	1
08357	Chrysene	218-01-9	N.D.	0.0000099	0.000050	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000099	0.000050	1
08357	Fluoranthene	206-44-0	N.D.	0.0000099	0.000050	1
08357	Fluorene	86-73-7	N.D.	0.0000099	0.000050	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000099	0.000050	1
08357	Naphthalene	91-20-3	N.D.	0.000030	0.000059	1
08357	Phenanthrene	85-01-8	N.D.	0.000030	0.000059	1
08357	Pyrene	129-00-0	N.D.	0.0000099	0.000050	1
<b>GC Volatiles</b>			<b>AK 101</b>	<b>mg/l</b>	<b>mg/l</b>	
01438	TPH-GRO AK water C6-C10	n.a.	11	0.10	1.0	10
<b>GC Petroleum Hydrocarbons</b>			<b>AK 102-SV 4/8/02</b>	<b>mg/l</b>	<b>mg/l</b>	
13025	DRO C10-C25	n.a.	2.2	0.050	0.25	1

### Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** MW-3-W-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031954  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017 17:20

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y171633AA	06/13/2017 02:38	Matthew S Krause	2
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y171633AA	06/13/2017 03:01	Matthew S Krause	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y171633AA	06/13/2017 02:38	Matthew S Krause	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y171633AA	06/13/2017 03:01	Matthew S Krause	20
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17158WAA026	06/14/2017 19:10	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17158WAA026	06/08/2017 00:15	Nadia Bernabe	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17159A53A	06/08/2017 20:04	Jeremy C Giffin	10
01146	GC VOA Water Prep	SW-846 5030B	1	17159A53A	06/08/2017 20:04	Jeremy C Giffin	10
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	171580044A	06/09/2017 04:03	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	171580044A	06/08/2017 08:00	Oswaldo R Sanchez	1

\*=This limit was used in the evaluation of the final result

**Sample Description:** DUP-1-WD-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031955  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	N.D.	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	N.D.	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	0.003	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	N.D.	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	N.D.	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	N.D.	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** DUP-1-WD-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031955  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>SW-846 8260B</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Toluene	108-88-3	N.D.	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	N.D.	0.0005	0.001	1
<b>GC/MS Semivolatiles</b>			<b>SW-846 8270C SIM</b>	<b>mg/l</b>	<b>mg/l</b>	
08357	Acenaphthene	83-32-9	N.D.	0.0000098	0.000049	1
08357	Acenaphthylene	208-96-8	N.D.	0.0000098	0.000049	1
08357	Anthracene	120-12-7	N.D.	0.0000098	0.000049	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0000098	0.000049	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0000098	0.000049	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0000098	0.000049	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0000098	0.000049	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0000098	0.000049	1
08357	Chrysene	218-01-9	N.D.	0.0000098	0.000049	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0000098	0.000049	1
08357	Fluoranthene	206-44-0	N.D.	0.0000098	0.000049	1
08357	Fluorene	86-73-7	N.D.	0.0000098	0.000049	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0000098	0.000049	1
08357	Naphthalene	91-20-3	N.D.	0.000029	0.000059	1
08357	Phenanthrene	85-01-8	N.D.	0.000029	0.000059	1
08357	Pyrene	129-00-0	N.D.	0.0000098	0.000049	1
<b>GC Volatiles</b>			<b>AK 101</b>	<b>mg/l</b>	<b>mg/l</b>	
01438	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	0.10	1
<b>GC Petroleum Hydrocarbons</b>			<b>AK 102-SV 4/8/02</b>	<b>mg/l</b>	<b>mg/l</b>	
13025	DRO C10-C25	n.a.	0.61	0.050	0.25	1

### Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result



REVISED

**Sample Description:** DUP-1-WD-170601 Grab Groundwater  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031955  
**ELLE Group #:** 1809679  
**Matrix:** Groundwater

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y171601AA	06/10/2017 01:13	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y171601AA	06/10/2017 01:13	Kevin D Kelly	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	17158WAA026	06/14/2017 19:41	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	17158WAA026	06/08/2017 00:15	Nadia Bernabe	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17159A53A	06/08/2017 17:45	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17159A53A	06/08/2017 17:45	Jeremy C Giffin	1
13025	AK 102-SV DRO	AK 102-SV 4/8/02	1	171580044A	06/09/2017 04:27	Tyler O Griffin	1
13027	Mini-Ext. AK 102-SV DRO	AK 102/AK 103 04/08/02	1	171580044A	06/08/2017 08:00	Oswaldo R Sanchez	1

\*=This limit was used in the evaluation of the final result

**Sample Description:** QA-1-T-170601 NA Water  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031956  
**ELLE Group #:** 1809679  
**Matrix:** Water

**Project Name:** 95414

**Submittal Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Acetone	67-64-1	N.D.	0.006	0.020	1
10335	Benzene	71-43-2	N.D.	0.0005	0.001	1
10335	Bromodichloromethane	75-27-4	N.D.	0.0005	0.001	1
10335	Bromoform	75-25-2	N.D.	0.0005	0.004	1
10335	Bromomethane	74-83-9	N.D.	0.0005	0.001	1
10335	2-Butanone	78-93-3	N.D.	0.003	0.010	1
10335	Carbon Disulfide	75-15-0	N.D.	0.001	0.005	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.0005	0.001	1
10335	Chlorobenzene	108-90-7	N.D.	0.0005	0.001	1
10335	Chloroethane	75-00-3	N.D.	0.0005	0.001	1
10335	Chloroform	67-66-3	N.D.	0.0005	0.001	1
10335	Chloromethane	74-87-3	N.D.	0.0005	0.001	1
10335	Cyclohexane	110-82-7	N.D.	0.002	0.005	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	0.005	1
10335	Dibromochloromethane	124-48-1	N.D.	0.0005	0.001	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.0005	0.001	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.0005	0.001	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.0005	0.001	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.0005	0.001	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0005	0.001	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0005	0.001	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.0005	0.001	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0005	0.001	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0005	0.001	1
10335	Ethylbenzene	100-41-4	N.D.	0.0005	0.001	1
10335	Freon 113	76-13-1	N.D.	0.002	0.010	1
10335	2-Hexanone	591-78-6	N.D.	0.003	0.010	1
10335	Isopropylbenzene	98-82-8	N.D.	0.001	0.005	1
10335	Methyl Acetate	79-20-9	N.D.	0.001	0.005	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.001	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	0.010	1
10335	Methylcyclohexane	108-87-2	N.D.	0.001	0.005	1
10335	Methylene Chloride	75-09-2	N.D.	0.002	0.004	1
10335	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10335	Styrene	100-42-5	N.D.	0.001	0.005	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0005	0.001	1
10335	Tetrachloroethene	127-18-4	N.D.	0.0005	0.001	1

\*=This limit was used in the evaluation of the final result

REVISED

**Sample Description:** QA-1-T-170601 NA Water  
Facility# 95414  
5210 Old Seward Hwy - Anchorage, AK

**ChevronTexaco**  
**ELLE Sample #:** WW 9031956  
**ELLE Group #:** 1809679  
**Matrix:** Water

**Project Name:** 95414

**Submission Date/Time:** 06/06/2017 09:35  
**Collection Date/Time:** 06/01/2017

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>		<b>SW-846 8260B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
10335	Toluene	108-88-3	N.D.	0.0005	0.001	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	0.005	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.0005	0.001	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.0005	0.001	1
10335	Trichloroethene	79-01-6	N.D.	0.0005	0.001	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.0005	0.001	1
10335	Vinyl Chloride	75-01-4	N.D.	0.0005	0.001	1
10335	Xylene (Total)	1330-20-7	N.D.	0.0005	0.001	1
<b>GC Volatiles</b>		<b>AK 101</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
01438	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	0.10	1

### Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y171601AA	06/09/2017 20:04	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y171601AA	06/09/2017 20:04	Kevin D Kelly	1
01438	TPH-GRO AK water C6-C10	AK 101	1	17159A53A	06/08/2017 11:43	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	17159A53A	06/08/2017 11:43	Jeremy C Giffin	1

\*=This limit was used in the evaluation of the final result

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 12/20/2017 14:02

Group Number: 1809679

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Method Blank

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Batch number: Y171601AA	Sample number(s): 9031946-9031948,9031951-9031953,9031955-9031956		
Acetone	N.D.	0.006	0.020
Benzene	N.D.	0.0005	0.001
Bromodichloromethane	N.D.	0.0005	0.001
Bromoform	N.D.	0.0005	0.004
Bromomethane	N.D.	0.0005	0.001
2-Butanone	N.D.	0.003	0.010
Carbon Disulfide	N.D.	0.001	0.005
Carbon Tetrachloride	N.D.	0.0005	0.001
Chlorobenzene	N.D.	0.0005	0.001
Chloroethane	N.D.	0.0005	0.001
Chloroform	N.D.	0.0005	0.001
Chloromethane	N.D.	0.0005	0.001
Cyclohexane	N.D.	0.002	0.005
1,2-Dibromo-3-chloropropane	N.D.	0.002	0.005
Dibromochloromethane	N.D.	0.0005	0.001
1,2-Dibromoethane	N.D.	0.0005	0.001
1,2-Dichlorobenzene	N.D.	0.001	0.005
1,3-Dichlorobenzene	N.D.	0.001	0.005
1,4-Dichlorobenzene	N.D.	0.001	0.005
Dichlorodifluoromethane	N.D.	0.0005	0.001
1,1-Dichloroethane	N.D.	0.0005	0.001
1,2-Dichloroethane	N.D.	0.0005	0.001
1,1-Dichloroethene	N.D.	0.0005	0.001
cis-1,2-Dichloroethene	N.D.	0.0005	0.001
trans-1,2-Dichloroethene	N.D.	0.0005	0.001
1,2-Dichloropropane	N.D.	0.0005	0.001
cis-1,3-Dichloropropene	N.D.	0.0005	0.001
trans-1,3-Dichloropropene	N.D.	0.0005	0.001
Ethylbenzene	N.D.	0.0005	0.001
Freon 113	N.D.	0.002	0.010
2-Hexanone	N.D.	0.003	0.010
Isopropylbenzene	N.D.	0.001	0.005
Methyl Acetate	N.D.	0.001	0.005
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.001
4-Methyl-2-pentanone	N.D.	0.003	0.010
Methylcyclohexane	N.D.	0.001	0.005
Methylene Chloride	N.D.	0.002	0.004
Naphthalene	N.D.	0.001	0.005
Styrene	N.D.	0.001	0.005

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 12/20/2017 14:02

Group Number: 1809679

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
1,1,2,2-Tetrachloroethane	N.D.	0.0005	0.001
Tetrachloroethene	N.D.	0.0005	0.001
Toluene	N.D.	0.0005	0.001
1,2,4-Trichlorobenzene	N.D.	0.001	0.005
1,1,1-Trichloroethane	N.D.	0.0005	0.001
1,1,2-Trichloroethane	N.D.	0.0005	0.001
Trichloroethene	N.D.	0.0005	0.001
Trichlorofluoromethane	N.D.	0.0005	0.001
Vinyl Chloride	N.D.	0.0005	0.001
Xylene (Total)	N.D.	0.0005	0.001
Batch number: Y171633AA	Sample number(s): 9031949,9031954		
Acetone	N.D.	0.006	0.020
Benzene	N.D.	0.0005	0.001
Bromodichloromethane	N.D.	0.0005	0.001
Bromoform	N.D.	0.0005	0.004
Bromomethane	N.D.	0.0005	0.001
2-Butanone	N.D.	0.003	0.010
Carbon Disulfide	N.D.	0.001	0.005
Carbon Tetrachloride	N.D.	0.0005	0.001
Chlorobenzene	N.D.	0.0005	0.001
Chloroethane	N.D.	0.0005	0.001
Chloroform	N.D.	0.0005	0.001
Chloromethane	N.D.	0.0005	0.001
Cyclohexane	N.D.	0.002	0.005
1,2-Dibromo-3-chloropropane	N.D.	0.002	0.005
Dibromochloromethane	N.D.	0.0005	0.001
1,2-Dibromoethane	N.D.	0.0005	0.001
1,2-Dichlorobenzene	N.D.	0.001	0.005
1,3-Dichlorobenzene	N.D.	0.001	0.005
1,4-Dichlorobenzene	N.D.	0.001	0.005
Dichlorodifluoromethane	N.D.	0.0005	0.001
1,1-Dichloroethane	N.D.	0.0005	0.001
1,2-Dichloroethane	N.D.	0.0005	0.001
1,1-Dichloroethene	N.D.	0.0005	0.001
cis-1,2-Dichloroethene	N.D.	0.0005	0.001
trans-1,2-Dichloroethene	N.D.	0.0005	0.001
1,2-Dichloropropane	N.D.	0.0005	0.001
cis-1,3-Dichloropropene	N.D.	0.0005	0.001
trans-1,3-Dichloropropene	N.D.	0.0005	0.001
Ethylbenzene	N.D.	0.0005	0.001
Freon 113	N.D.	0.002	0.010
2-Hexanone	N.D.	0.003	0.010
Isopropylbenzene	N.D.	0.001	0.005
Methyl Acetate	N.D.	0.001	0.005

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 12/20/2017 14:02

Group Number: 1809679

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.001
4-Methyl-2-pentanone	N.D.	0.003	0.010
Methylcyclohexane	N.D.	0.001	0.005
Methylene Chloride	N.D.	0.002	0.004
Naphthalene	N.D.	0.001	0.005
Styrene	N.D.	0.001	0.005
1,1,2,2-Tetrachloroethane	N.D.	0.0005	0.001
Tetrachloroethene	N.D.	0.0005	0.001
Toluene	N.D.	0.0005	0.001
1,2,4-Trichlorobenzene	N.D.	0.001	0.005
1,1,1-Trichloroethane	N.D.	0.0005	0.001
1,1,2-Trichloroethane	N.D.	0.0005	0.001
Trichloroethene	N.D.	0.0005	0.001
Trichlorofluoromethane	N.D.	0.0005	0.001
Vinyl Chloride	N.D.	0.0005	0.001
Xylene (Total)	N.D.	0.0005	0.001
Batch number: Y171641AA	Sample number(s): 9031950		
Acetone	N.D.	0.006	0.020
Benzene	N.D.	0.0005	0.001
Bromodichloromethane	N.D.	0.0005	0.001
Bromoform	N.D.	0.0005	0.004
Bromomethane	N.D.	0.0005	0.001
2-Butanone	N.D.	0.003	0.010
Carbon Disulfide	N.D.	0.001	0.005
Carbon Tetrachloride	N.D.	0.0005	0.001
Chlorobenzene	N.D.	0.0005	0.001
Chloroethane	N.D.	0.0005	0.001
Chloroform	N.D.	0.0005	0.001
Chloromethane	N.D.	0.0005	0.001
Cyclohexane	N.D.	0.002	0.005
1,2-Dibromo-3-chloropropane	N.D.	0.002	0.005
Dibromochloromethane	N.D.	0.0005	0.001
1,2-Dibromoethane	N.D.	0.0005	0.001
1,2-Dichlorobenzene	N.D.	0.001	0.005
1,3-Dichlorobenzene	N.D.	0.001	0.005
1,4-Dichlorobenzene	N.D.	0.001	0.005
Dichlorodifluoromethane	N.D.	0.0005	0.001
1,1-Dichloroethane	N.D.	0.0005	0.001
1,2-Dichloroethane	N.D.	0.0005	0.001
1,1-Dichloroethene	N.D.	0.0005	0.001
cis-1,2-Dichloroethene	N.D.	0.0005	0.001
trans-1,2-Dichloroethene	N.D.	0.0005	0.001
1,2-Dichloropropane	N.D.	0.0005	0.001
cis-1,3-Dichloropropene	N.D.	0.0005	0.001

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 12/20/2017 14:02

Group Number: 1809679

### Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
trans-1,3-Dichloropropene	N.D.	0.0005	0.001
Ethylbenzene	N.D.	0.0005	0.001
Freon 113	N.D.	0.002	0.010
2-Hexanone	N.D.	0.003	0.010
Isopropylbenzene	N.D.	0.001	0.005
Methyl Acetate	N.D.	0.001	0.005
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.001
4-Methyl-2-pentanone	N.D.	0.003	0.010
Methylcyclohexane	N.D.	0.001	0.005
Methylene Chloride	N.D.	0.002	0.004
Naphthalene	N.D.	0.001	0.005
Styrene	N.D.	0.001	0.005
1,1,2,2-Tetrachloroethane	N.D.	0.0005	0.001
Tetrachloroethene	N.D.	0.0005	0.001
Toluene	N.D.	0.0005	0.001
1,2,4-Trichlorobenzene	N.D.	0.001	0.005
1,1,1-Trichloroethane	N.D.	0.0005	0.001
1,1,2-Trichloroethane	N.D.	0.0005	0.001
Trichloroethene	N.D.	0.0005	0.001
Trichlorofluoromethane	N.D.	0.0005	0.001
Vinyl Chloride	N.D.	0.0005	0.001
Xylene (Total)	N.D.	0.0005	0.001
Batch number: 17158WAA026	Sample number(s): 9031946-9031955		
Acenaphthene	N.D.	0.000010	0.000050
Acenaphthylene	N.D.	0.000010	0.000050
Anthracene	N.D.	0.000010	0.000050
Benzo(a)anthracene	N.D.	0.000010	0.000050
Benzo(a)pyrene	N.D.	0.000010	0.000050
Benzo(b)fluoranthene	N.D.	0.000010	0.000050
Benzo(g,h,i)perylene	N.D.	0.000010	0.000050
Benzo(k)fluoranthene	N.D.	0.000010	0.000050
Chrysene	N.D.	0.000010	0.000050
Dibenz(a,h)anthracene	N.D.	0.000010	0.000050
Fluoranthene	N.D.	0.000010	0.000050
Fluorene	N.D.	0.000010	0.000050
Indeno(1,2,3-cd)pyrene	N.D.	0.000010	0.000050
Naphthalene	N.D.	0.000030	0.000060
Phenanthrene	N.D.	0.000030	0.000060
Pyrene	N.D.	0.000010	0.000050
Batch number: 17159A53A	Sample number(s): 9031946-9031956		
TPH-GRO AK water C6-C10	N.D.	0.010	0.10
Batch number: 171580044A	Sample number(s): 9031946-9031955		
DRO C10-C25	N.D.	0.050	0.25

\*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 12/20/2017 14:02

Group Number: 1809679

### LCS/LCSD

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Y171601AA	Sample number(s): 9031946-9031948,9031951-9031953,9031955-9031956								
Acetone	0.150	0.148	0.150	0.145	99	97	50-168	2	30
Benzene	0.0200	0.0206	0.0200	0.0204	103	102	78-120	1	30
Bromodichloromethane	0.0200	0.0201	0.0200	0.0201	101	100	80-120	0	30
Bromoform	0.0200	0.0181	0.0200	0.0180	90	90	64-120	0	30
Bromomethane	0.0200	0.0195	0.0200	0.0193	97	96	49-121	1	30
2-Butanone	0.150	0.151	0.150	0.149	101	99	53-140	2	30
Carbon Disulfide	0.0200	0.0158	0.0200	0.0158	79	79	63-122	0	30
Carbon Tetrachloride	0.0200	0.0187	0.0200	0.0186	93	93	76-123	1	30
Chlorobenzene	0.0200	0.0203	0.0200	0.0200	102	100	80-120	2	30
Chloroethane	0.0200	0.0190	0.0200	0.0188	95	94	51-121	1	30
Chloroform	0.0200	0.0204	0.0200	0.0203	102	101	80-120	1	30
Chloromethane	0.0200	0.0195	0.0200	0.0195	98	97	57-120	0	30
Cyclohexane	0.0200	0.0134	0.0200	0.0134	67	67	67-121	0	30
1,2-Dibromo-3-chloropropane	0.0200	0.0207	0.0200	0.0208	104	104	59-120	0	30
Dibromochloromethane	0.0200	0.0198	0.0200	0.0193	99	97	78-120	2	30
1,2-Dibromoethane	0.0200	0.0205	0.0200	0.0200	102	100	75-120	2	30
1,2-Dichlorobenzene	0.0200	0.0196	0.0200	0.0197	98	99	80-120	1	30
1,3-Dichlorobenzene	0.0200	0.0201	0.0200	0.0201	100	100	80-120	0	30
1,4-Dichlorobenzene	0.0200	0.0201	0.0200	0.0199	101	100	80-120	1	30
Dichlorodifluoromethane	0.0200	0.0127	0.0200	0.0130	63	65	54-122	2	30
1,1-Dichloroethane	0.0200	0.0202	0.0200	0.0206	101	103	80-120	2	30
1,2-Dichloroethane	0.0200	0.0207	0.0200	0.0206	104	103	66-128	0	30
1,1-Dichloroethene	0.0200	0.0201	0.0200	0.0196	101	98	76-124	3	30
cis-1,2-Dichloroethene	0.0200	0.0206	0.0200	0.0206	103	103	80-120	0	30
trans-1,2-Dichloroethene	0.0200	0.0202	0.0200	0.0202	101	101	80-120	0	30
1,2-Dichloropropane	0.0200	0.0212	0.0200	0.0213	106	107	80-120	0	30
cis-1,3-Dichloropropene	0.0200	0.0198	0.0200	0.0194	99	97	75-120	2	30
trans-1,3-Dichloropropene	0.0200	0.0206	0.0200	0.0204	103	102	76-120	1	30
Ethylbenzene	0.0200	0.0212	0.0200	0.0208	106	104	78-120	2	30
Freon 113	0.0200	0.0147	0.0200	0.0148	73	74	68-129	1	30
2-Hexanone	0.100	0.109	0.100	0.106	109	106	49-137	3	30
Isopropylbenzene	0.0200	0.0194	0.0200	0.0193	97	96	80-120	1	30
Methyl Acetate	0.0200	0.0193	0.0200	0.0196	96	98	61-137	2	30
Methyl Tertiary Butyl Ether	0.0200	0.0176	0.0200	0.0178	88	89	75-120	1	30
4-Methyl-2-pentanone	0.100	0.107	0.100	0.106	107	106	56-131	1	30
Methylcyclohexane	0.0200	0.0146	0.0200	0.0143	73	72	66-126	2	30
Methylene Chloride	0.0200	0.0195	0.0200	0.0195	97	98	80-120	0	30
Naphthalene	0.0200	0.0190	0.0200	0.0197	95	98	59-120	4	30
Styrene	0.0200	0.0206	0.0200	0.0203	103	102	80-120	1	30
1,1,2,2-Tetrachloroethane	0.0200	0.0213	0.0200	0.0215	106	108	72-120	1	30
Tetrachloroethene	0.0200	0.0181	0.0200	0.0177	90	89	80-129	2	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 12/20/2017 14:02

Group Number: 1809679

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Toluene	0.0200	0.0207	0.0200	0.0203	103	102	80-120	2	30
1,2,4-Trichlorobenzene	0.0200	0.0169	0.0200	0.0174	85	87	58-120	3	30
1,1,1-Trichloroethane	0.0200	0.0171	0.0200	0.0171	86	85	67-120	0	30
1,1,2-Trichloroethane	0.0200	0.0211	0.0200	0.0211	106	105	80-120	0	30
Trichloroethene	0.0200	0.0199	0.0200	0.0197	100	98	80-120	1	30
Trichlorofluoromethane	0.0200	0.0177	0.0200	0.0174	88	87	57-134	1	30
Vinyl Chloride	0.0200	0.0188	0.0200	0.0189	94	95	63-121	1	30
Xylene (Total)	0.0600	0.0623	0.0600	0.0610	104	102	80-120	2	30
Batch number: Y171633AA	Sample number(s): 9031949,9031954								
Acetone	0.150	0.153	0.150	0.154	102	103	50-168	1	30
Benzene	0.0200	0.0207	0.0200	0.0208	103	104	78-120	1	30
Bromodichloromethane	0.0200	0.0199	0.0200	0.0200	100	100	80-120	0	30
Bromoform	0.0200	0.0178	0.0200	0.0180	89	90	64-120	1	30
Bromomethane	0.0200	0.0192	0.0200	0.0198	96	99	49-121	3	30
2-Butanone	0.150	0.166	0.150	0.167	111	111	53-140	0	30
Carbon Disulfide	0.0200	0.0197	0.0200	0.0198	99	99	63-122	0	30
Carbon Tetrachloride	0.0200	0.0188	0.0200	0.0191	94	95	76-123	1	30
Chlorobenzene	0.0200	0.0202	0.0200	0.0204	101	102	80-120	1	30
Chloroethane	0.0200	0.0187	0.0200	0.0197	93	99	51-121	5	30
Chloroform	0.0200	0.0199	0.0200	0.0201	100	100	80-120	1	30
Chloromethane	0.0200	0.0204	0.0200	0.0209	102	104	57-120	2	30
Cyclohexane	0.0200	0.0189	0.0200	0.0191	94	95	67-121	1	30
1,2-Dibromo-3-chloropropane	0.0200	0.0208	0.0200	0.0207	104	103	59-120	1	30
Dibromochloromethane	0.0200	0.0193	0.0200	0.0193	97	97	78-120	0	30
1,2-Dibromoethane	0.0200	0.0202	0.0200	0.0206	101	103	75-120	2	30
1,2-Dichlorobenzene	0.0200	0.0198	0.0200	0.0198	99	99	80-120	0	30
1,3-Dichlorobenzene	0.0200	0.0198	0.0200	0.0200	99	100	80-120	1	30
1,4-Dichlorobenzene	0.0200	0.0201	0.0200	0.0201	100	101	80-120	0	30
Dichlorodifluoromethane	0.0200	0.0164	0.0200	0.0164	82	82	54-122	0	30
1,1-Dichloroethane	0.0200	0.0206	0.0200	0.0206	103	103	80-120	0	30
1,2-Dichloroethane	0.0200	0.0203	0.0200	0.0200	101	100	66-128	1	30
1,1-Dichloroethene	0.0200	0.0204	0.0200	0.0205	102	102	76-124	0	30
cis-1,2-Dichloroethene	0.0200	0.0208	0.0200	0.0208	104	104	80-120	0	30
trans-1,2-Dichloroethene	0.0200	0.0205	0.0200	0.0204	102	102	80-120	1	30
1,2-Dichloropropane	0.0200	0.0215	0.0200	0.0217	108	109	80-120	1	30
cis-1,3-Dichloropropene	0.0200	0.0190	0.0200	0.0196	95	98	75-120	3	30
trans-1,3-Dichloropropene	0.0200	0.0202	0.0200	0.0208	101	104	76-120	3	30
Ethylbenzene	0.0200	0.0207	0.0200	0.0211	104	106	78-120	2	30
Freon 113	0.0200	0.0205	0.0200	0.0202	103	101	68-129	2	30
2-Hexanone	0.100	0.115	0.100	0.116	115	116	49-137	1	30
Isopropylbenzene	0.0200	0.0195	0.0200	0.0195	97	98	80-120	0	30
Methyl Acetate	0.0200	0.0208	0.0200	0.0213	104	106	61-137	2	30
Methyl Tertiary Butyl Ether	0.0200	0.0202	0.0200	0.0206	101	103	75-120	2	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 12/20/2017 14:02

Group Number: 1809679

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
4-Methyl-2-pentanone	0.100	0.116	0.100	0.116	116	116	56-131	1	30
Methylcyclohexane	0.0200	0.0190	0.0200	0.0192	95	96	66-126	1	30
Methylene Chloride	0.0200	0.0198	0.0200	0.0197	99	98	80-120	1	30
Naphthalene	0.0200	0.0203	0.0200	0.0198	102	99	59-120	2	30
Styrene	0.0200	0.0204	0.0200	0.0209	102	105	80-120	3	30
1,1,2,2-Tetrachloroethane	0.0200	0.0222	0.0200	0.0222	111	111	72-120	0	30
Tetrachloroethene	0.0200	0.0174	0.0200	0.0178	87	89	80-129	2	30
Toluene	0.0200	0.0207	0.0200	0.0208	104	104	80-120	0	30
1,2,4-Trichlorobenzene	0.0200	0.0180	0.0200	0.0176	90	88	58-120	2	30
1,1,1-Trichloroethane	0.0200	0.0168	0.0200	0.0170	84	85	67-120	1	30
1,1,2-Trichloroethane	0.0200	0.0212	0.0200	0.0213	106	106	80-120	0	30
Trichloroethene	0.0200	0.0196	0.0200	0.0199	98	99	80-120	2	30
Trichlorofluoromethane	0.0200	0.0189	0.0200	0.0190	94	95	57-134	1	30
Vinyl Chloride	0.0200	0.0200	0.0200	0.0202	100	101	63-121	1	30
Xylene (Total)	0.0600	0.0616	0.0600	0.0628	103	105	80-120	2	30
Batch number: Y171641AA	Sample number(s): 9031950								
Acetone	0.150	0.162	0.150	0.182	108	121	50-168	11	30
Benzene	0.0200	0.0203	0.0200	0.0205	101	102	78-120	1	30
Bromodichloromethane	0.0200	0.0196	0.0200	0.0200	98	100	80-120	2	30
Bromoform	0.0200	0.0176	0.0200	0.0179	88	90	64-120	2	30
Bromomethane	0.0200	0.0193	0.0200	0.0198	97	99	49-121	2	30
2-Butanone	0.150	0.161	0.150	0.168	107	112	53-140	4	30
Carbon Disulfide	0.0200	0.0187	0.0200	0.0191	94	95	63-122	2	30
Carbon Tetrachloride	0.0200	0.0183	0.0200	0.0187	91	94	76-123	3	30
Chlorobenzene	0.0200	0.0198	0.0200	0.0198	99	99	80-120	0	30
Chloroethane	0.0200	0.0190	0.0200	0.0203	95	101	51-121	6	30
Chloroform	0.0200	0.0195	0.0200	0.0196	97	98	80-120	0	30
Chloromethane	0.0200	0.0204	0.0200	0.0209	102	104	57-120	2	30
Cyclohexane	0.0200	0.0182	0.0200	0.0184	91	92	67-121	1	30
1,2-Dibromo-3-chloropropane	0.0200	0.0195	0.0200	0.0191	97	96	59-120	2	30
Dibromochloromethane	0.0200	0.0191	0.0200	0.0193	96	96	78-120	1	30
1,2-Dibromoethane	0.0200	0.0201	0.0200	0.0204	100	102	75-120	1	30
1,2-Dichlorobenzene	0.0200	0.0193	0.0200	0.0191	96	95	80-120	1	30
1,3-Dichlorobenzene	0.0200	0.0198	0.0200	0.0199	99	99	80-120	0	30
1,4-Dichlorobenzene	0.0200	0.0198	0.0200	0.0198	99	99	80-120	0	30
Dichlorodifluoromethane	0.0200	0.0156	0.0200	0.0143	78	72	54-122	8	30
1,1-Dichloroethane	0.0200	0.0201	0.0200	0.0200	100	100	80-120	0	30
1,2-Dichloroethane	0.0200	0.0195	0.0200	0.0198	98	99	66-128	2	30
1,1-Dichloroethene	0.0200	0.0197	0.0200	0.0198	98	99	76-124	1	30
cis-1,2-Dichloroethene	0.0200	0.0203	0.0200	0.0204	102	102	80-120	0	30
trans-1,2-Dichloroethene	0.0200	0.0200	0.0200	0.0200	100	100	80-120	0	30
1,2-Dichloropropane	0.0200	0.0212	0.0200	0.0215	106	108	80-120	2	30
cis-1,3-Dichloropropene	0.0200	0.0200	0.0200	0.0204	100	102	75-120	2	30

\*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

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## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 12/20/2017 14:02

Group Number: 1809679

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
trans-1,3-Dichloropropene	0.0200	0.0200	0.0200	0.0206	100	103	76-120	3	30
Ethylbenzene	0.0200	0.0209	0.0200	0.0212	105	106	78-120	1	30
Freon 113	0.0200	0.0190	0.0200	0.0185	95	92	68-129	3	30
2-Hexanone	0.100	0.112	0.100	0.116	112	116	49-137	3	30
Isopropylbenzene	0.0200	0.0194	0.0200	0.0196	97	98	80-120	1	30
Methyl Acetate	0.0200	0.0204	0.0200	0.0201	102	100	61-137	2	30
Methyl Tertiary Butyl Ether	0.0200	0.0195	0.0200	0.0195	97	97	75-120	0	30
4-Methyl-2-pentanone	0.100	0.112	0.100	0.115	112	115	56-131	3	30
Methylcyclohexane	0.0200	0.0186	0.0200	0.0187	93	94	66-126	0	30
Methylene Chloride	0.0200	0.0192	0.0200	0.0189	96	95	80-120	1	30
Naphthalene	0.0200	0.0192	0.0200	0.0183	96	92	59-120	5	30
Styrene	0.0200	0.0203	0.0200	0.0208	102	104	80-120	2	30
1,1,2,2-Tetrachloroethane	0.0200	0.0208	0.0200	0.0210	104	105	72-120	1	30
Tetrachloroethene	0.0200	0.0174	0.0200	0.0175	87	88	80-129	1	30
Toluene	0.0200	0.0205	0.0200	0.0207	102	104	80-120	1	30
1,2,4-Trichlorobenzene	0.0200	0.0174	0.0200	0.0165	87	83	58-120	5	30
1,1,1-Trichloroethane	0.0200	0.0183	0.0200	0.0183	92	91	67-120	0	30
1,1,2-Trichloroethane	0.0200	0.0205	0.0200	0.0207	102	103	80-120	1	30
Trichloroethene	0.0200	0.0197	0.0200	0.0198	99	99	80-120	0	30
Trichlorofluoromethane	0.0200	0.0185	0.0200	0.0178	92	89	57-134	4	30
Vinyl Chloride	0.0200	0.0200	0.0200	0.0204	100	102	63-121	2	30
Xylene (Total)	0.0600	0.0620	0.0600	0.0627	103	104	80-120	1	30

	mg/l	mg/l	mg/l	mg/l					
Batch number: 17158WAA026	Sample number(s): 9031946-9031955								
Acenaphthene	0.00100	0.000803	0.00100	0.000924	80	92	66-132	14	30
Acenaphthylene	0.00100	0.000622	0.00100	0.000713	62	71	60-110	14	30
Anthracene	0.00100	0.000702	0.00100	0.000819	70	82	59-119	15	30
Benzo(a)anthracene	0.00100	0.000798	0.00100	0.000943	80	94	58-130	17	30
Benzo(a)pyrene	0.00100	0.000758	0.00100	0.000910	76	91	60-124	18	30
Benzo(b)fluoranthene	0.00100	0.000768	0.00100	0.000917	77	92	64-128	18	30
Benzo(g,h,i)perylene	0.00100	0.000820	0.00100	0.000990	82	99	50-123	19	30
Benzo(k)fluoranthene	0.00100	0.000805	0.00100	0.000976	80	98	62-123	19	30
Chrysene	0.00100	0.000773	0.00100	0.000917	77	92	68-113	17	30
Dibenz(a,h)anthracene	0.00100	0.000824	0.00100	0.00100	82	100	46-133	19	30
Fluoranthene	0.00100	0.000733	0.00100	0.000856	73	86	69-112	15	30
Fluorene	0.00100	0.000729	0.00100	0.000835	73	84	66-110	14	30
Indeno(1,2,3-cd)pyrene	0.00100	0.000808	0.00100	0.000977	81	98	52-122	19	30
Naphthalene	0.00100	0.000597	0.00100	0.000682	60	68	48-115	13	30
Phenanthrene	0.00100	0.000730	0.00100	0.000837	73	84	60-120	14	30
Pyrene	0.00100	0.000716	0.00100	0.000835	72	83	52-124	15	30

	mg/l	mg/l	mg/l	mg/l
Batch number: 17159A53A	Sample number(s): 9031946-9031956			

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 12/20/2017 14:02

Group Number: 1809679

### LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
TPH-GRO AK water C6-C10	1.10	1.04	1.10	1.04	94	94	60-120	0	20
Batch number: 171580044A									
DRO C10-C25	4.00	3.51	4.00	3.35	88	84	75-125	5	20

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: VOCs- 5ml Water by 8260B  
Batch number: Y171601AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9031946	100	102	100	94
9031947	95	100	101	100
9031948	101	101	100	94
9031951	103	103	99	93
9031952	97	99	102	98
9031953	103	102	99	94
9031955	104	104	105	94
9031956	102	102	99	93
Blank	99	102	100	94
LCS	95	97	102	103
LCSD	96	98	102	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: VOCs- 5ml Water by 8260B  
Batch number: Y171633AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9031949	92	97	100	98
9031954	93	97	101	99
Blank	99	102	99	93
LCS	94	98	101	98
LCSD	94	97	102	99
Limits:	80-116	77-113	80-113	78-113

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 12/20/2017 14:02

Group Number: 1809679

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: VOCs- 5ml Water by 8260B  
Batch number: Y171641AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9031950	93	98	102	99
Blank	96	101	100	95
LCS	93	97	101	101
LCSD	93	97	100	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PAHs in waters by SIM  
Batch number: 17158WAA026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
9031946	77	70	60
9031947	64	58	54
9031948	60	54	49
9031949	66	57	53
9031950	67	55	52
9031951	81	68	64
9031952	80	71	67
9031953	81	70	66
9031954	81	74	88
9031955	82	74	64
Blank	83	77	62
LCS	70	65	57
LCSD	81	76	63
Limits:	51-135	29-140	45-119

Analysis Name: TPH-GRO AK water C6-C10  
Batch number: 17159A53A

	Trifluorotoluene-F
9031946	96
9031947	101
9031948	89
9031949	95
9031950	91
9031951	89
9031952	93
9031953	87
9031954	93
9031955	97

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 12/20/2017 14:02

Group Number: 1809679

### Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: TPH-GRO AK water C6-C10

Batch number: 17159A53A

Trifluorotoluene-F

9031956	100
Blank	87
LCS	97
LCSD	97

Limits: 60-120

Analysis Name: AK 102-SV DRO

Batch number: 171580044A

Orthoterphenyl

9031946	87
9031947	76
9031948	93
9031949	98
9031950	94
9031951	94
9031952	92
9031953	95
9031954	99
9031955	83
Blank	91
LCS	110
LCSD	104

Limits: 50-150

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

# Chevron Generic Analysis Request/Chain of Custody



**Lancaster Laboratories  
Environmental**

Acct. # 10880

For Eurofins Lancaster Laboratories Environmental use only  
Group # 1809679 Sample # 9031946-56

Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks														
Facility # <u>CHEVRON # 95414</u>		WBS <u>08.02</u>		<input type="checkbox"/> Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input type="checkbox"/> NPDES <input type="checkbox"/> Surface <input type="checkbox"/> Oil <input type="checkbox"/> Air <input type="checkbox"/> Total Number of Containers <input type="checkbox"/> BTEX + MTBE <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> TPH-GRO <input checked="" type="checkbox"/> 8015 <input type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO with Silica Gel Cleanup <input type="checkbox"/> VPH <input type="checkbox"/> EPH <input type="checkbox"/> Method <input type="checkbox"/> Lead <input type="checkbox"/> Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method <u>PAH's 8270 SIM</u>				SCR #: _____  <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits										6 <u>EMAIL RESULTS TO: SEOBHAN.PRITCHARD@GHD.com</u>														
Site Address <u>5210 OLD SEWARD HWY, ANCHORAGE, AK</u>																																
Chevron PM <u>DANIEL CARRIER</u>		Lead Consultant <u>GHD SERVICES, INC.</u>																														
Consultant/Office <u>645 6 ST SUITE 401, ANCHORAGE, AK</u>																																
Consultant Project Mgr. <u>SEOBHAN PRITCHARD</u>																																
Consultant Phone # <u>720-974-0963</u>																																
Sampler <u>O. YAN / T. WEAVER</u>				3	Composite																											
2 Sample Identification		Collected		Grab	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	8021	8260	Naphth	8260 full scan	Oxygenates	TPH-GRO	8015	8260	TPH-DRO without Silica Gel Cleanup	TPH-DRO with Silica Gel Cleanup	VPH	EPH	Method	Lead	Total	Diss.	Method	PAH's	8270 SIM				
<u>MW-10-W-170601</u>	<u>6/1/17</u>	<u>0813</u>	<u>X</u>		<u>GW</u>			<u>10</u>	<u>X</u>				<u>X</u>		<u>X</u>	<u>X</u>																
<u>MW-8-W-170601</u>	<u>6/1/17</u>	<u>0933</u>	<u>X</u>		<u>GW</u>			<u>10</u>	<u>X</u>				<u>X</u>		<u>X</u>	<u>X</u>																
<u>MW-4-W-170601</u>	<u>6/1/17</u>	<u>1051</u>	<u>X</u>		<u>GW</u>			<u>10</u>	<u>X</u>				<u>X</u>		<u>X</u>	<u>X</u>																
<u>MW-7-W-170601</u>	<u>6/1/17</u>	<u>1229</u>	<u>X</u>		<u>GW</u>			<u>10</u>	<u>X</u>				<u>X</u>		<u>X</u>	<u>X</u>																
<u>MW-5-W-170601</u>	<u>6/1/17</u>	<u>1323</u>	<u>X</u>		<u>GW</u>			<u>10</u>	<u>X</u>				<u>X</u>		<u>X</u>	<u>X</u>																
<u>MW-2-W-170601</u>	<u>6/1/17</u>	<u>1432</u>	<u>X</u>		<u>GW</u>			<u>10</u>	<u>X</u>				<u>X</u>		<u>X</u>	<u>X</u>																
<u>MW-1-W-170601</u>	<u>6/1/17</u>	<u>1525</u>	<u>X</u>		<u>GW</u>			<u>10</u>	<u>X</u>				<u>X</u>		<u>X</u>	<u>X</u>																
<u>MW-6-W-170601</u>	<u>6/1/17</u>	<u>1619</u>	<u>X</u>		<u>GW</u>			<u>10</u>	<u>X</u>				<u>X</u>		<u>X</u>	<u>X</u>																
<u>MW-3-W-170601</u>	<u>6/1/17</u>	<u>1720</u>	<u>X</u>		<u>GW</u>			<u>10</u>	<u>X</u>				<u>X</u>		<u>X</u>	<u>X</u>																
<u>DOP-1-W-170601</u>	<u>6/1/17</u>	<u>—</u>	<u>X</u>		<u>GW</u>			<u>10</u>	<u>X</u>				<u>X</u>		<u>X</u>	<u>X</u>																
<u>QA-1-W-170601</u>	<u>—</u>	<u>—</u>	<u>—</u>		<u>TS</u>			<u>4</u>	<u>X</u>				<u>X</u>		<u>X</u>	<u>X</u>																
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by				Date		Time		Received by				Date		Time														
Standard <u>5 day</u> 4 day 72 hour    48 hour    24 hour				<u>Tina Weaver</u>				<u>6/5/17</u>		<u>10:30</u>																						
8 Data Package (circle if required)				Relinquished by Commercial Carrier:				Received by				Date		Time																		
Type I - Full Type VI (Raw Data)				UPS _____ FedEx <u>X</u> Other _____ Temperature Upon Receipt <u>19-5.2°C</u>				<u>[Signature]</u>				<u>6/16/17</u>		<u>9:35</u>																		
EDD (circle if required) CVX-RTBU-FI_05 (default) Other: _____				Custody Seals Intact? <u>(Yes)</u> No																												



Client: Chevron

**Delivery and Receipt Information**

Delivery Method:	<u>Fed Ex</u>	Arrival Timestamp:	<u>06/06/2017 9:35</u>
Number of Packages:	<u>4</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>AK</u>		

**Arrival Condition Summary**

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	No
Custody Seal Intact:	Yes	VOA Vial Headspace $\geq$ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	4
Paperwork Enclosed:	Yes	Trip Blank Type:	HCI
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Simon Nies (25112) at 15:47 on 06/06/2017*

**Samples Chilled Details**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	5.2	DT	Wet	Y	Bagged	N
2	DT146	2.0	DT	Wet	Y	Bagged	N
3	DT146	3.1	DT	Wet	Y	Bagged	N
4	DT146	1.9	DT	Wet	Y	Bagged	N

**Sample Date/Time Discrepancy Details**

Sample ID on COC	Date/Time on Label	Comments
MW-6-W-170601	6/01/2017 17:20	Only on two 1000mL amber bottles
MW-3-W-170601	6/01/2017 16:19	Only on two 1000mL amber bottles



# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	non-detect
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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# Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value $\geq$ the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column $>40\%$ . The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column $>100\%$ . The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.