

GARDEN GULCH 029

Collected date/time: 11/07/18 12:50

SAMPLE RESULTS - 01

L1043229

ONE LAB. NATIONWIDE



Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	136	B	50.0	500	11/14/2018 01:37	WG1196060
(S) <i>o,o,a</i> -Trifluorotoluene(FID)	94.9		78.0-120		11/14/2018 01:37	WG1196060

Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Methanol	305		10.0	20	11/13/2018 11:30	WG1195594
Ethanol	68.5		10.0	20	11/13/2018 11:30	WG1195594

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	500	11/12/2018 04:08	WG1195008
Acrolein	ND		25.0	500	11/12/2018 04:08	WG1195008
Acrylonitrile	ND		5.00	500	11/12/2018 04:08	WG1195008
Benzene	3.35		0.500	500	11/12/2018 04:08	WG1195008
Bromobenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
Bromodichloromethane	ND		0.500	500	11/12/2018 04:08	WG1195008
Bromoform	ND		0.500	500	11/12/2018 04:08	WG1195008
Bromomethane	ND		2.50	500	11/12/2018 04:08	WG1195008
n-Butylbenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
sec-Butylbenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
tert-Butylbenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
Carbon tetrachloride	ND		0.500	500	11/12/2018 04:08	WG1195008
Chlorobenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
Chlorodibromomethane	ND		0.500	500	11/12/2018 04:08	WG1195008
Chloroethane	ND		2.50	500	11/12/2018 04:08	WG1195008
2-Chloroethyl vinyl ether	ND		25.0	500	11/12/2018 04:08	WG1195008
Chloroform	ND		2.50	500	11/12/2018 04:08	WG1195008
Chloromethane	ND		1.25	500	11/12/2018 04:08	WG1195008
2-Chlorotoluene	ND		0.500	500	11/12/2018 04:08	WG1195008
4-Chlorotoluene	ND		0.500	500	11/12/2018 04:08	WG1195008
1,2-Dibromo-3-Chloropropane	ND		2.50	500	11/12/2018 04:08	WG1195008
1,2-Dibromoethane	ND		0.500	500	11/12/2018 04:08	WG1195008
Dibromomethane	ND		0.500	500	11/12/2018 04:08	WG1195008
1,2-Dichlorobenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
1,3-Dichlorobenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
1,4-Dichlorobenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
Dichlorodifluoromethane	ND		2.50	500	11/12/2018 04:08	WG1195008
1,1-Dichloroethane	ND		0.500	500	11/12/2018 04:08	WG1195008
1,2-Dichloroethane	ND		0.500	500	11/12/2018 04:08	WG1195008
1,1-Dichloroethene	ND		0.500	500	11/12/2018 04:08	WG1195008
cis-1,2-Dichloroethene	ND		0.500	500	11/12/2018 04:08	WG1195008
trans-1,2-Dichloroethene	ND		0.500	500	11/12/2018 04:08	WG1195008
1,2-Dichloropropane	ND		0.500	500	11/12/2018 04:08	WG1195008
1,1-Dichloropropene	ND		0.500	500	11/12/2018 04:08	WG1195008
1,3-Dichloropropane	ND		0.500	500	11/12/2018 04:08	WG1195008
cis-1,3-Dichloropropene	ND		0.500	500	11/12/2018 04:08	WG1195008
trans-1,3-Dichloropropene	ND		0.500	500	11/12/2018 04:08	WG1195008
2,2-Dichloropropane	ND		0.500	500	11/12/2018 04:08	WG1195008
Di-isopropyl ether	ND		0.500	500	11/12/2018 04:08	WG1195008
Ethylbenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
Hexachloro-1,3-butadiene	ND		0.500	500	11/12/2018 04:08	WG1195008
Isopropylbenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
p-Isopropyltoluene	ND		0.500	500	11/12/2018 04:08	WG1195008



ACCOUNT:

Berry Petroleum - Denver, CO

PROJECT:

SDG:

L1043229

DATE/TIME:

11/13/18 14:15

PAGE:

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SAMPLE RESULTS - 01

ONE LAB, NATIONWIDE



Collected date/time: 11/07/18 12:50

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
2-Butanone (MEK)	ND		5.00	500	11/12/2018 04:08	WG1195008
Methylene Chloride	ND		2.50	500	11/12/2018 04:08	WG1195008
4-Methyl-2-pentanone (MIBK)	ND		5.00	500	11/12/2018 04:08	WG1195008
Methyl tert-butyl ether	ND		0.500	500	11/12/2018 04:08	WG1195008
Naphthalene	ND		2.50	500	11/12/2018 04:08	WG1195008
n-Propylbenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
Styrene	ND		0.500	500	11/12/2018 04:08	WG1195008
1,1,1,2-Tetrachloroethane	ND		0.500	500	11/12/2018 04:08	WG1195008
1,1,2,2-Tetrachloroethane	ND		0.500	500	11/12/2018 04:08	WG1195008
1,1,2-Trichlorotrifluoroethane	ND		0.500	500	11/12/2018 04:08	WG1195008
Tetrachloroethene	ND		0.500	500	11/12/2018 04:08	WG1195008
Toluene	9.82		0.500	500	11/12/2018 04:08	WG1195008
1,2,3-Trichlorobenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
1,2,4-Trichlorobenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
1,1,1-Trichloroethane	ND		0.500	500	11/12/2018 04:08	WG1195008
1,1,2-Trichloroethane	ND		0.500	500	11/12/2018 04:08	WG1195008
Trichloroethene	ND		0.500	500	11/12/2018 04:08	WG1195008
Trichlorofluoromethane	ND		2.50	500	11/12/2018 04:08	WG1195008
1,2,3-Trichloropropane	ND		1.25	500	11/12/2018 04:08	WG1195008
1,2,4-Trimethylbenzene	0.858		0.500	500	11/12/2018 04:08	WG1195008
1,2,3-Trimethylbenzene	ND		0.500	500	11/12/2018 04:08	WG1195008
1,3,5-Trimethylbenzene	0.670		0.500	500	11/12/2018 04:08	WG1195008
Vinyl chloride	ND		0.500	500	11/12/2018 04:08	WG1195008
Xylenes, Total	6.42		1.50	500	11/12/2018 04:08	WG1195008
ethanol	ND		50.0	500	11/12/2018 04:08	WG1195008
2-Propanol	ND		12.5	500	11/12/2018 04:08	WG1195008
(S) Toluene-d8	106		80.0-120		11/12/2018 04:08	WG1195008
(S) Dibromofluoromethane	89.2		75.0-120		11/12/2018 04:08	WG1195008
(S) 4-Bromofluorobenzene	83.1		77.0-126		11/12/2018 04:08	WG1195008

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	424		5.00	50	11/14/2018 16:29	WG1195372
(S) o-Terphenyl	0.000	J7	31.0-160		11/14/2018 16:29	WG1195372