

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100720\
 Data File : VU040551.D
 Acq On : 07 Oct 2020 18:09
 Operator : SY/MD
 Sample : L4485-17
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-ME-SOIL-03

Quant Time: Oct 08 01:21:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 01:13:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	275190	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	272363	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	129327	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	108169	45.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.54%
7) Chloroethane-d5	1.92	69	86782	48.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.58	63	162945	36.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.26%
21) 2-Butanone-d5	4.64	46	216753	115.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.57%
24) Chloroform-d	5.08	84	196203	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
26) 1,2-Dichloroethane-d4	5.72	65	135664	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
32) Benzene-d6	5.75	84	374369	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.58%
36) 1,2-Dichloropropane-d6	6.70	67	125453	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.58%
41) Toluene-d8	7.91	98	330034	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%
43) trans-1,3-Dichloropropene-	8.19	79	60918	46.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.68%
47) 2-Hexanone-d5	8.64	63	134484	111.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.04%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	181283	48.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.62%
66) 1,2-Dichlorobenzene-d4	12.19	152	131038	49.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	7076	2.670 ug/L	100
3) Chloromethane	1.53	50	6973	2.504 ug/L	100
5) Vinyl chloride	1.61	62	7485	2.715 ug/L #	72
6) Bromomethane	1.86	94	3597	2.486 ug/L	99
8) Chloroethane	1.94	64	4575	2.750 ug/L	96
9) Trichlorofluoromethane	2.15	101	9620	2.720 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	6713	3.184 ug/L	88
12) 1,1-Dichloroethene	2.59	96	6155	3.158 ug/L #	1
13) Acetone	2.64	43	10980	6.096 ug/L	97
14) Carbon disulfide	2.81	76	18949	2.832 ug/L	98
15) Methyl Acetate	2.96	43	8661	2.948 ug/L	99
16) Methylene chloride	3.06	84	6829	2.954 ug/L	87
17) trans-1,2-Dichloroethene	3.37	96	5470	2.635 ug/L	96
18) Methyl tert-butyl Ether	3.38	73	15263	2.338 ug/L	99
19) 1,1-Dichloroethane	3.89	63	10378	2.507 ug/L	98
20) cis-1,2-Dichloroethene	4.69	96	6004	2.684 ug/L	95
22) 2-Butanone	4.72	43	13536	5.891 ug/L	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	3108	2.666	ug/L	93
25) Chloroform	5.11	83	12241	2.899	ug/L	85
27) 1,2-Dichloroethane	5.81	62	9867	2.832	ug/L	98
29) Cyclohexane	5.40	56	8867	2.431	ug/L	100
30) 1,1,1-Trichloroethane	5.34	97	8899	2.544	ug/L	98
31) Carbon tetrachloride	5.55	117	7502	2.480	ug/L	100
33) Benzene	5.79	78	22482	2.554	ug/L	100
34) Trichloroethene	6.56	95	5949	2.623	ug/L	96
35) Methylcyclohexane	6.77	83	8402	2.437	ug/L	95
37) 1,2-Dichloropropane	6.80	63	6338	2.622	ug/L #	95
38) Bromodichloromethane	7.11	83	7972	2.539	ug/L	95
39) cis-1,3-Dichloropropene	7.62	75	8695	2.454	ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	21091	5.529	ug/L	96
42) Toluene	7.98	91	23113	2.572	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	8410	2.358	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	5554	2.565	ug/L	94
46) Tetrachloroethene	8.56	164	4230	2.581	ug/L	96
48) 2-Hexanone	8.69	43	21451	6.919	ug/L	98
49) Dibromochloromethane	8.82	129	6246	2.641	ug/L	95
50) 1,2-Dibromoethane	8.93	107	5961	2.597	ug/L #	90
51) Chlorobenzene	9.45	112	15402	2.613	ug/L	99
52) Ethylbenzene	9.57	91	23387	2.344	ug/L	97
53) m,p-Xylene	9.69	106	8273	2.252	ug/L	95
54) o-xylene	10.10	106	7860	2.249	ug/L	98
55) Styrene	10.11	104	13169	2.139	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	11174	2.918	ug/L #	96
59) Bromoform	10.29	173	4440	2.801	ug/L #	94
60) 1,2,3-Trichloropropane	10.82	75	9053	3.082	ug/L	96
61) Isopropylbenzene	10.48	105	19961	2.298	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	15992	2.241	ug/L	97
63) 1,2,4-Trimethylbenzene	11.47	105	14750	2.038	ug/L	97
64) 1,3-Dichlorobenzene	11.74	146	12104	2.858	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	13411	3.015	ug/L	95
67) 1,2-Dichlorobenzene	12.21	146	13517	3.186	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	2964	3.591	ug/L	94
69) 1,3,5-Trichlorobenzene	13.21	180	9045	3.260	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	8302	3.452	ug/L	99
71) Naphthalene	14.08	128	27562	3.708	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	8899	3.728	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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