

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101020\
 Data File : VU040629.D
 Acq On : 10 Oct 2020 12:21
 Operator : SY/MD
 Sample : L4485-19
 Misc : 5.0µL/5.0mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-ME-SOIL-05

Quant Time: Oct 12 01:37:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 12 01:29:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	260382	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	257446	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	123086	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	96129	42.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.98%
7) Chloroethane-d5	1.92	69	75529	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.66%
11) 1,1-Dichloroethene-d2	2.58	63	148845	34.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.76%
21) 2-Butanone-d5	4.65	46	199231	112.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.26%
24) Chloroform-d	5.08	84	181705	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
26) 1,2-Dichloroethane-d4	5.72	65	128790	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
32) Benzene-d6	5.74	84	352480	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.22%
36) 1,2-Dichloropropane-d6	6.70	67	119978	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.72%
41) Toluene-d8	7.91	98	303932	45.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.52%
43) trans-1,3-Dichloropropene-	8.19	79	56153	45.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.36%
47) 2-Hexanone-d5	8.64	63	126014	110.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.07%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	171525	48.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.70%
66) 1,2-Dichlorobenzene-d4	12.19	152	122986	49.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	6045	2.411 ug/L	97
3) Chloromethane	1.53	50	5873	2.229 ug/L	98
5) Vinyl chloride	1.61	62	6192	2.374 ug/L #	29
6) Bromomethane	1.87	94	2711	1.980 ug/L	100
8) Chloroethane	1.94	64	3862	2.454 ug/L	98
9) Trichlorofluoromethane	2.15	101	8076	2.413 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5864	2.940 ug/L #	70
12) 1,1-Dichloroethene	2.59	96	5196	2.817 ug/L #	1
13) Acetone	2.66	43	9652	5.663 ug/L	99
14) Carbon disulfide	2.81	76	13692	2.163 ug/L	97
15) Methyl Acetate	2.97	43	7183	2.584 ug/L	98
16) Methylene chloride	3.06	84	5183	2.370 ug/L	89
17) trans-1,2-Dichloroethene	3.38	96	4053	2.063 ug/L	96
18) Methyl tert-butyl Ether	3.38	73	12791	2.070 ug/L	97
19) 1,1-Dichloroethane	3.89	63	9055	2.311 ug/L	95
20) cis-1,2-Dichloroethene	4.69	96	4970	2.348 ug/L	92
22) 2-Butanone	4.73	43	11777	5.417 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	2341	2.122	ug/L	89
25) Chloroform	5.11	83	13454	3.368	ug/L	98
27) 1,2-Dichloroethane	5.82	62	7971	2.418	ug/L	98
29) Cyclohexane	5.41	56	6409	1.859	ug/L #	78
30) 1,1,1-Trichloroethane	5.33	97	7870	2.380	ug/L	99
31) Carbon tetrachloride	5.54	117	6438	2.252	ug/L	91
33) Benzene	5.79	78	18863	2.267	ug/L	100
34) Trichloroethene	6.56	95	5076	2.368	ug/L	91
35) Methylcyclohexane	6.78	83	6753	2.072	ug/L	99
37) 1,2-Dichloropropane	6.81	63	5139	2.249	ug/L #	95
38) Bromodichloromethane	7.12	83	6721	2.264	ug/L	95
39) cis-1,3-Dichloropropene	7.62	75	7365	2.199	ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	15252	4.230	ug/L	99
42) Toluene	7.98	91	18731	2.205	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	7286	2.161	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	4677	2.285	ug/L	89
46) Tetrachloroethene	8.56	164	3468	2.239	ug/L	91
48) 2-Hexanone	8.69	43	17447	5.953	ug/L	98
49) Dibromochloromethane	8.81	129	4917	2.200	ug/L	91
50) 1,2-Dibromoethane	8.93	107	4930	2.272	ug/L #	92
51) Chlorobenzene	9.45	112	11979	2.150	ug/L	98
52) Ethylbenzene	9.57	91	19085	2.024	ug/L	100
53) m,p-Xylene	9.70	106	6502	1.872	ug/L	97
54) o-xylene	10.10	106	6354	1.923	ug/L	98
55) Styrene	10.11	104	9913	1.704	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	8432	2.329	ug/L #	91
59) Bromoform	10.29	173	3356	2.225	ug/L	95
60) 1,2,3-Trichloropropane	10.82	75	6786	2.427	ug/L	100
61) Isopropylbenzene	10.48	105	15572	1.884	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	11434	1.684	ug/L	96
63) 1,2,4-Trimethylbenzene	11.46	105	11086	1.610	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	8458	2.098	ug/L	100
65) 1,4-Dichlorobenzene	11.83	146	9664	2.283	ug/L	96
67) 1,2-Dichlorobenzene	12.21	146	9375	2.322	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	1606	2.044	ug/L	87
69) 1,3,5-Trichlorobenzene	13.21	180	5598	2.120	ug/L	97
70) 1,2,4-trichlorobenzene	13.83	180	4153	1.814	ug/L	97
71) Naphthalene	14.08	128	8250	1.166	ug/L	97
72) 1,2,3-Trichlorobenzene	14.32	180	3995	1.758	ug/L	95

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

