

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100720\
 Data File : VU040552.D
 Acq On : 07 Oct 2020 18:31
 Operator : SY/MD
 Sample : L4485-18
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-ME-SOIL-04

Quant Time: Oct 08 01:22:08 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	258290	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	256904	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	123238	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	100190	45.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.34%
7) Chloroethane-d5	1.92	69	80305	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.04%
11) 1,1-Dichloroethene-d2	2.58	63	153766	36.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.66%
21) 2-Butanone-d5	4.64	46	211685	120.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.25%
24) Chloroform-d	5.08	84	186655	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
26) 1,2-Dichloroethane-d4	5.72	65	131784	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
32) Benzene-d6	5.75	84	358221	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
36) 1,2-Dichloropropane-d6	6.70	67	117788	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.14%
41) Toluene-d8	7.91	98	314985	47.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.04%
43) trans-1,3-Dichloropropene-	8.19	79	57079	46.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.06%
47) 2-Hexanone-d5	8.64	63	136596	119.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.57%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	176948	49.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.98%
66) 1,2-Dichlorobenzene-d4	12.19	152	127346	50.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.54%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	6253	2.514 ug/L	92
3) Chloromethane	1.53	50	6740	2.579 ug/L	93
5) Vinyl chloride	1.61	62	6777	2.619 ug/L #	56
6) Bromomethane	1.86	94	3371	2.482 ug/L	93
8) Chloroethane	1.94	64	4103	2.628 ug/L	89
9) Trichlorofluoromethane	2.15	101	8617	2.596 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6292	3.180 ug/L #	85
12) 1,1-Dichloroethene	2.59	96	5881	3.215 ug/L #	1
13) Acetone	2.64	43	9498	5.618 ug/L	100
14) Carbon disulfide	2.81	76	16663	2.653 ug/L	98
15) Methyl Acetate	2.96	43	7763	2.815 ug/L	96
16) Methylene chloride	3.06	84	5963	2.749 ug/L	92
17) trans-1,2-Dichloroethene	3.37	96	5441	2.792 ug/L	85
18) Methyl tert-butyl Ether	3.38	73	15219	2.483 ug/L	98
19) 1,1-Dichloroethane	3.89	63	10107	2.601 ug/L	93
20) cis-1,2-Dichloroethene	4.69	96	5171	2.463 ug/L	98
22) 2-Butanone	4.73	43	12832	5.950 ug/L #	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	5.00	128	2646	2.418	ug/L #	91
25) Chloroform	5.11	83	11531	2.910	ug/L	92
27) 1,2-Dichloroethane	5.81	62	8625	2.637	ug/L	97
29) Cyclohexane	5.41	56	7930	2.305	ug/L	95
30) 1,1,1-Trichloroethane	5.34	97	8896	2.696	ug/L	95
31) Carbon tetrachloride	5.54	117	7190	2.520	ug/L	96
33) Benzene	5.79	78	21138	2.546	ug/L	100
34) Trichloroethene	6.55	95	5321	2.487	ug/L	94
35) Methylcyclohexane	6.77	83	7820	2.405	ug/L	96
37) 1,2-Dichloropropane	6.80	63	6280	2.754	ug/L #	90
38) Bromodichloromethane	7.12	83	7019	2.370	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	7905	2.365	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	18298	5.086	ug/L	100
42) Toluene	7.98	91	20289	2.393	ug/L	92
44) trans-1,3-Dichloropropene	8.21	75	8602	2.556	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	4972	2.434	ug/L	97
46) Tetrachloroethene	8.56	164	3813	2.467	ug/L	80
48) 2-Hexanone	8.69	43	18158	6.209	ug/L	93
49) Dibromochloromethane	8.82	129	5527	2.478	ug/L	85
50) 1,2-Dibromoethane	8.93	107	5734	2.648	ug/L #	95
51) Chlorobenzene	9.45	112	14294	2.571	ug/L	98
52) Ethylbenzene	9.57	91	21068	2.239	ug/L	94
53) m,p-Xylene	9.70	106	7653	2.209	ug/L	85
54) o-xylene	10.10	106	7241	2.196	ug/L	85
55) Styrene	10.11	104	12064	2.078	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.78	83	10058	2.784	ug/L #	95
59) Bromoform	10.29	173	3606	2.387	ug/L #	98
60) 1,2,3-Trichloropropane	10.82	75	8090	2.890	ug/L	99
61) Isopropylbenzene	10.48	105	18433	2.227	ug/L	97
62) 1,3,5-Trimethylbenzene	11.09	105	13191	1.940	ug/L	97
63) 1,2,4-Trimethylbenzene	11.47	105	13461	1.952	ug/L	95
64) 1,3-Dichlorobenzene	11.74	146	10113	2.506	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	10957	2.585	ug/L	96
67) 1,2-Dichlorobenzene	12.21	146	12079	2.988	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.99	75	2732	3.474	ug/L	91
69) 1,3,5-Trichlorobenzene	13.21	180	7277	2.752	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	5807	2.534	ug/L	98
71) Naphthalene	14.08	128	16763	2.366	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	5888	2.588	ug/L	100

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

