

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100620\
 Data File : VU040538.D
 Acq On : 06 Oct 2020 19:44
 Operator : SY/MD
 Sample : L4485-16
 Misc : 5.0µL/5.0mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-ME-SOIL-02

Quant Time: Oct 07 08:15:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 08:04:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	277320	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	276663	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	128181	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	111138	46.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.32%
7) Chloroethane-d5	1.92	69	87681	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.64%
11) 1,1-Dichloroethene-d2	2.58	63	166846	36.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.42%
21) 2-Butanone-d5	4.64	46	191361	101.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.24%
24) Chloroform-d	5.08	84	199762	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
26) 1,2-Dichloroethane-d4	5.72	65	139002	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.16%
32) Benzene-d6	5.74	84	389870	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.02%
36) 1,2-Dichloropropane-d6	6.70	67	129639	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.24%
41) Toluene-d8	7.91	98	341390	47.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.66%
43) trans-1,3-Dichloropropene-	8.19	79	61026	46.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.40%
47) 2-Hexanone-d5	8.64	63	124178	100.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.94%
56) 1,1,2,2-Tetrachloroethane-	10.76	84	180065	47.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.48%
66) 1,2-Dichlorobenzene-d4	12.19	152	130715	50.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.22%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	5580	2.090 ug/L	97
3) Chloromethane	1.53	50	6177	2.201 ug/L	90
5) Vinyl chloride	1.61	62	6485	2.334 ug/L #	56
6) Bromomethane	1.86	94	3206	2.198 ug/L	100
8) Chloroethane	1.94	64	3722	2.220 ug/L	99
9) Trichlorofluoromethane	2.15	101	7771	2.180 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5960	2.805 ug/L #	70
12) 1,1-Dichloroethene	2.59	96	5617	2.860 ug/L #	1
13) Acetone	2.64	43	6278	3.459 ug/L	99
14) Carbon disulfide	2.81	76	13625	2.021 ug/L	99
15) Methyl Acetate	2.96	43	6433	2.173 ug/L	95
16) Methylene chloride	3.06	84	5578	2.395 ug/L	83
17) trans-1,2-Dichloroethene	3.37	96	4642	2.219 ug/L	90
18) Methyl tert-butyl Ether	3.38	73	13410	2.038 ug/L #	90
19) 1,1-Dichloroethane	3.89	63	9036	2.166 ug/L	90
20) cis-1,2-Dichloroethene	4.68	96	4943	2.192 ug/L	88
22) 2-Butanone	4.72	43	9240	3.990 ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	2188	1.862	ug/L	83
25) Chloroform	5.11	83	12351	2.903	ug/L	96
27) 1,2-Dichloroethane	5.81	62	8208	2.338	ug/L	98
29) Cyclohexane	5.41	56	7122	1.923	ug/L #	88
30) 1,1,1-Trichloroethane	5.33	97	7369	2.074	ug/L	97
31) Carbon tetrachloride	5.54	117	6296	2.049	ug/L	92
33) Benzene	5.79	78	19704	2.203	ug/L	100
34) Trichloroethene	6.56	95	4876	2.117	ug/L	97
35) Methylcyclohexane	6.77	83	6901	1.970	ug/L	94
37) 1,2-Dichloropropane	6.80	63	5780	2.354	ug/L #	96
38) Bromodichloromethane	7.11	83	6518	2.043	ug/L	88
39) cis-1,3-Dichloropropene	7.62	75	7259	2.017	ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	15112	3.900	ug/L	96
42) Toluene	7.98	91	20246	2.218	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	7135	1.969	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	5079	2.309	ug/L	91
46) Tetrachloroethene	8.56	164	3461	2.079	ug/L	97
48) 2-Hexanone	8.69	43	14993	4.761	ug/L	99
49) Dibromochloromethane	8.81	129	4732	1.970	ug/L	88
50) 1,2-Dibromoethane	8.93	107	5186	2.224	ug/L #	86
51) Chlorobenzene	9.45	112	12851	2.146	ug/L	93
52) Ethylbenzene	9.57	91	19866	1.960	ug/L	97
53) m,p-Xylene	9.70	106	6693	1.794	ug/L	90
54) o-xylene	10.10	106	6581	1.854	ug/L	90
55) Styrene	10.11	104	10815	1.729	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.78	83	7669	1.971	ug/L #	86
59) Bromoform	10.29	173	3402	2.165	ug/L #	95
60) 1,2,3-Trichloropropane	10.82	75	6621	2.274	ug/L	99
61) Isopropylbenzene	10.48	105	16562	1.924	ug/L	96
62) 1,3,5-Trimethylbenzene	11.09	105	12551	1.775	ug/L	95
63) 1,2,4-Trimethylbenzene	11.47	105	11903	1.659	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	9053	2.157	ug/L	96
65) 1,4-Dichlorobenzene	11.83	146	9897	2.245	ug/L	95
67) 1,2-Dichlorobenzene	12.21	146	10091	2.400	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	1598	1.953	ug/L	88
69) 1,3,5-Trichlorobenzene	13.21	180	5395	1.962	ug/L	96
70) 1,2,4-trichlorobenzene	13.83	180	4432	1.859	ug/L	97
71) Naphthalene	14.08	128	10014	1.359	ug/L	97
72) 1,2,3-Trichlorobenzene	14.32	180	4158	1.757	ug/L	99

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

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