

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019222.D
 Acq On : 03 Nov 2020 01:17
 Operator : SY/MD
 Sample : L4485-17
 Misc : 5.0µL/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 22 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:45:00 AM

Quant Time: Nov 03 06:39:37 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Nov 03 05:28:09 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	225339	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	217155	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	106664	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85248	49.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.04%
7) Chloroethane-d5	1.58	69	73381	53.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.70%
11) 1,1-Dichloroethene-d2	2.12	63	130352	40.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.98%
21) 2-Butanone-d5	3.91	46	109400	114.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.09%
24) Chloroform-d	4.38	84	164531	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.10%
26) 1,2-Dichloroethane-d4	5.06	65	118462	52.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.48%
32) Benzene-d6	5.07	84	306847	51.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.34%
36) 1,2-Dichloropropane-d6	6.09	67	94900	53.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.02%
41) Toluene-d8	7.34	98	274129	49.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.16%
43) trans-1,3-Dichloropropene-	7.64	79	50795	50.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.22%
47) 2-Hexanone-d5	8.11	63	69481	99.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.97%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	118730	49.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.54%
66) 1,2-Dichlorobenzene-d4	11.65	152	116258	54.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.96%

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	1.14	85	2111	1.529 ug/L 92
3) Chloromethane	1.25	50	2402	1.671 ug/L 99
5) Vinyl chloride	1.32	62	2948	1.970 ug/L # 41
6) Bromomethane	1.53	94	1929	1.918 ug/L 99
8) Chloroethane	1.60	64	2072	2.117 ug/L 93
9) Trichlorofluoromethane	1.77	101	4097	1.654 ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2811	2.388 ug/L # 71
12) 1,1-Dichloroethene	2.13	96	2940	2.417 ug/L # 1
13) Acetone	2.20	43	2892	3.966 ug/L 66
14) Carbon disulfide	2.32	76	6173	1.767 ug/L 99
15) Methyl Acetate	2.45	43	2654	1.878 ug/L # 74
16) Methylene chloride	2.53	84	2769	1.915 ug/L 92
17) trans-1,2-Dichloroethene	2.78	96	2173	1.647 ug/L 92
18) Methyl tert-butyl Ether	2.79	73	7868	1.696 ug/L 98
19) 1,1-Dichloroethane	3.22	63	4176	1.615 ug/L 93
20) cis-1,2-Dichloroethene	3.94	96	2397m	1.644 ug/L
22) 2-Butanone	4.04	43	3226m	3.485 ug/L

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

23) Bromochloromethane	4.28	128	1408m	1.753	ug/L	
27) 1,2-Dichloroethane	5.16	62	4346	1.844	ug/L	97
29) Cyclohexane	4.71	56	2550m	1.372	ug/L	
30) 1,1,1-Trichloroethane	4.64	97	4186	1.662	ug/L #	74
31) Carbon tetrachloride	4.86	117	3039	1.398	ug/L	94
33) Benzene	5.13	78	8374	1.552	ug/L	100
34) Trichloroethene	5.95	95	2234	1.523	ug/L	90
35) Methylcyclohexane	6.16	83	2703	1.523	ug/L #	73
37) 1,2-Dichloropropane	6.21	63	2571	1.785	ug/L #	84
38) Bromodichloromethane	6.54	83	3171	1.530	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	2803	1.216	ug/L	94
40) 4-Methyl-2-pentanone	7.25	43	6119	3.162	ug/L	97
42) Toluene	7.41	91	10835	1.857	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	4219m	1.787	ug/L	
45) 1,1,2-Trichloroethane	7.86	97	2241	1.574	ug/L	90
46) Tetrachloroethene	8.00	164	1890	1.579	ug/L	87
48) 2-Hexanone	8.16	43	6345	4.338	ug/L	100
49) Dibromochloromethane	8.27	129	2748	1.619	ug/L	86
50) 1,2-Dibromoethane	8.38	107	2344	1.589	ug/L #	90
51) Chlorobenzene	8.90	112	6658	1.706	ug/L	96
52) Ethylbenzene	9.04	91	9333	1.450	ug/L	99
53) m,p-Xylene	9.16	106	3251	1.349	ug/L	88
54) o-Xylene	9.57	106	3144	1.324	ug/L	90
55) Styrene	9.59	104	5625	1.331	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.26	83	3641	1.691	ug/L	97
59) Bromoform	9.76	173	1918	1.620	ug/L #	94
60) Isopropylbenzene	9.95	105	7955	1.423	ug/L	96
61) 1,2,3-Trichloropropane	10.29	75	2935	1.771	ug/L	97
62) 1,3,5-Trimethylbenzene	10.56	105	6446	1.384	ug/L	98
63) 1,2,4-Trimethylbenzene	10.94	105	6098	1.338	ug/L	98
64) 1,3-Dichlorobenzene	11.21	146	4407	1.507	ug/L	93
65) 1,4-Dichlorobenzene	11.30	146	5398	1.784	ug/L	97
67) 1,2-Dichlorobenzene	11.67	146	5292	1.769	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.46	75	866m	1.791	ug/L	
69) 1,3,5-Trichlorobenzene	12.67	180	3191	1.520	ug/L	96
70) 1,2,4-trichlorobenzene	13.29	180	2823	1.429	ug/L	96
71) Naphthalene	13.53	128	5620	1.009	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	2721	1.390	ug/L	99

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

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