

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051821\
 Data File : VW019014.D
 Acq On : 18 May 2021 11:55
 Operator : SY/VA
 Sample : M2250-03
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2021-05

Manual Integrations
 APPROVED

MMDadoda

5/21/2021 6:47:32 PM

Quant Time: May 19 01:25:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM051421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 19 01:14:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	562350	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	521752	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	247186	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	147921	25.85	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 103.40%			
7) Chloroethane-d5	2.891	69	127820	23.16	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 92.64%			
11) 1,1-Dichloroethene-d2	4.025	63	226613	17.35	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 69.40%			
21) 2-Butanone-d5	7.080	46	76790	50.95	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 101.90%			
24) Chloroform-d	7.647	84	348031	24.18	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.72%			
26) 1,2-Dichloroethane-d4	8.305	65	186345	24.92	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.68%			
32) Benzene-d6	8.275	84	708314	24.32	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.28%			
36) 1,2-Dichloropropane-d6	9.274	67	210914	24.70	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 98.80%			
41) Toluene-d8	10.323	98	657554	24.09	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 96.36%			
43) trans-1,3-Dichloroprop...	10.579	79	85498	23.30	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.20%			
47) 2-Hexanone-d5	10.927	63	62696	49.67	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 99.34%			
56) 1,1,2,2-Tetrachloroeth...	12.694	84	156926	23.99	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 95.96%			
66) 1,2-Dichlorobenzene-d4	13.853	152	212441	24.88	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.013	85	5229	0.91	ug/L #	76
3) Chloromethane	2.215	50	5861	1.02	ug/L	93
5) Vinyl chloride	2.367	62	9480m	1.29	ug/L	
6) Bromomethane	2.782	94	5869	0.96	ug/L	96
8) Chloroethane	2.934	64	5871	1.14	ug/L	85
9) Trichlorofluoromethane	3.263	101	4824	0.89	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.080	101	10123	1.36	ug/L #	80
12) 1,1-Dichloroethene	4.050	96	9611	1.33	ug/L #	1
13) Acetone	4.135	43	4308m	3.37	ug/L	
14) Carbon disulfide	4.385	76	21491	1.06	ug/L	97
15) Methyl Acetate	4.684	43	2803	1.06	ug/L #	78
16) Methylene chloride	4.928	84	19710m	2.09	ug/L	
17) trans-1,2-Dichloroethene	5.434	96	8190	1.03	ug/L	85
18) Methyl tert-butyl Ether	5.434	73	9044m	0.95	ug/L	
19) 1,1-Dichloroethane	6.214	63	14481	1.05	ug/L	92
20) cis-1,2-Dichloroethene	7.171	96	8625	1.04	ug/L	99
23) Bromochloromethane	7.519	128	3456	0.96	ug/L	84
25) Chloroform	7.677	83	15367	1.08	ug/L	93
27) 1,2-Dichloroethane	8.403	62	9577	1.08	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.951	56	12090	0.97	ug/L	96
30) 1,1,1-Trichloroethane	7.872	97	11500	1.01	ug/L	98
31) Carbon tetrachloride	8.073	117	10539	1.02	ug/L	97
33) Benzene	8.329	78	33801	1.06	ug/L	100
34) Trichloroethene	9.091	95	8633	1.02	ug/L	91
35) Methylcyclohexane	9.335	83	14530	0.99	ug/L	96
37) 1,2-Dichloropropane	9.366	63	8072	1.05	ug/L	99
38) Bromodichloromethane	9.646	83	9615	0.96	ug/L #	91
39) cis-1,3-Dichloropropene	10.073	75	11441	0.99	ug/L	99
40) 4-Methyl-2-pentanone	10.213	43	9281	2.33	ug/L	96
42) Toluene	10.390	91	44274	1.26	ug/L	95
44) trans-1,3-Dichloropropene	10.609	75	10015m	1.00	ug/L	
45) 1,1,2-Trichloroethane	10.786	97	5456	0.97	ug/L	94
46) Tetrachloroethene	10.866	164	6919	1.03	ug/L	97
48) 2-Hexanone	10.969	43	5508	2.12	ug/L	96
49) Dibromochloromethane	11.128	129	5961	0.94	ug/L	95
50) 1,2-Dibromoethane	11.237	107	5448	1.04	ug/L	96
51) Chlorobenzene	11.658	112	21959	1.01	ug/L	94
52) Ethylbenzene	11.731	91	36217	0.93	ug/L	99
53) m,p-Xylene	11.841	106	13519	0.92	ug/L	87
54) o-Xylene	12.164	106	12438	0.90	ug/L	98
55) Styrene	12.182	104	19129	0.82	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.719	83	6987	1.08	ug/L #	95
59) Bromoform	12.347	173	3167	0.99	ug/L #	97
60) Isopropylbenzene	12.463	105	32892	0.91	ug/L	98
61) 1,2,3-Trichloropropane	12.768	75	5058	1.13	ug/L	95
62) 1,3,5-Trimethylbenzene	12.944	105	26756	0.92	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	27645	0.94	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	15463	0.99	ug/L	95
65) 1,4-Dichlorobenzene	13.578	146	16316	1.05	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	14514	1.05	ug/L #	88
68) 1,2-Dibromo-3-chloropr...	14.481	75	1277	1.34	ug/L #	86
69) 1,3,5-Trichlorobenzene	14.627	180	12043	1.05	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	9496	1.04	ug/L	98
71) Naphthalene	15.365	128	15821	0.96	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	8113	1.01	ug/L	95

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

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