

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051421\
 Data File : VW019000.D
 Acq On : 14 May 2021 15:51
 Operator : SY/VA
 Sample : M2250-03
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/19/2021 3:57:05 PM

Quant Time: May 14 23:53:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM051421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 14 12:03:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	594002	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	538509	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	264711	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	149857	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.16%
7) Chloroethane-d5	2.891	69	129731	22.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.04%
11) 1,1-Dichloroethene-d2	4.019	63	231142	16.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.00%
21) 2-Butanone-d5	7.074	46	80417	50.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.04%
24) Chloroform-d	7.647	84	348442	22.92	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.68%
26) 1,2-Dichloroethane-d4	8.305	65	186160	23.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.28%
32) Benzene-d6	8.275	84	716225	23.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.32%
36) 1,2-Dichloropropane-d6	9.274	67	209710	23.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.20%
41) Toluene-d8	10.323	98	665236	23.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.44%
43) trans-1,3-Dichloroprop...	10.579	79	88393	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.36%
47) 2-Hexanone-d5	10.920	63	66693	51.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.38%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	160817	23.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.28%
66) 1,2-Dichlorobenzene-d4	13.853	152	222673	24.35	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.40%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	4915	0.81	ug/L	99
3) Chloromethane	2.215	50	5588	0.92	ug/L	96
5) Vinyl chloride	2.367	62	9187	1.18	ug/L #	44
6) Bromomethane	2.782	94	6251	0.97	ug/L	93
8) Chloroethane	2.934	64	5611	1.03	ug/L	99
9) Trichlorofluoromethane	3.263	101	4551	0.80	ug/L #	75
10) 1,1,2-Trichloro-1,2,2-...	4.074	101	9930	1.27	ug/L #	57
12) 1,1-Dichloroethene	4.050	96	9226	1.21	ug/L #	1
13) Acetone	4.123	43	10952	8.12	ug/L	83
14) Carbon disulfide	4.391	76	18652	0.87	ug/L	99
15) Methyl Acetate	4.684	43	2440	0.87	ug/L #	78
16) Methylene chloride	4.915	84	61731	6.19	ug/L	94
17) trans-1,2-Dichloroethene	5.421	96	7533	0.90	ug/L	91
18) Methyl tert-butyl Ether	5.421	73	8780m	0.87	ug/L	
19) 1,1-Dichloroethane	6.220	63	13170	0.90	ug/L	90
20) cis-1,2-Dichloroethene	7.171	96	7683	0.87	ug/L	77
22) 2-Butanone	7.165	43	6247m	3.36	ug/L	
23) Bromochloromethane	7.513	128	3491	0.92	ug/L #	77
25) Chloroform	7.677	83	15265	1.02	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	8917	0.95	ug/L #	82
29) Cyclohexane	7.958	56	12006	0.93	ug/L	96
30) 1,1,1-Trichloroethane	7.872	97	10674	0.91	ug/L	97
31) Carbon tetrachloride	8.067	117	9892	0.93	ug/L #	64
33) Benzene	8.323	78	30408	0.92	ug/L	100
34) Trichloroethene	9.091	95	8825	1.01	ug/L	85
35) Methylcyclohexane	9.335	83	13347	0.88	ug/L	95
37) 1,2-Dichloropropane	9.366	63	7303	0.92	ug/L #	92
38) Bromodichloromethane	9.646	83	9161	0.89	ug/L #	99
39) cis-1,3-Dichloropropene	10.073	75	9617	0.81	ug/L	91
40) 4-Methyl-2-pentanone	10.207	43	10475	2.55	ug/L	96
42) Toluene	10.390	91	43596	1.20	ug/L	100
44) trans-1,3-Dichloropropene	10.603	75	13163	1.27	ug/L	96
45) 1,1,2-Trichloroethane	10.780	97	5251	0.90	ug/L	92
46) Tetrachloroethene	10.859	164	6858	0.99	ug/L	91
48) 2-Hexanone	10.969	43	4956	1.85	ug/L #	91
49) Dibromochloromethane	11.128	129	5684	0.87	ug/L	93
50) 1,2-Dibromoethane	11.237	107	4857	0.90	ug/L #	94
51) Chlorobenzene	11.658	112	20758	0.93	ug/L	96
52) Ethylbenzene	11.731	91	34921	0.87	ug/L	96
53) m,p-Xylene	11.835	106	13281	0.88	ug/L	95
54) o-Xylene	12.164	106	11809	0.83	ug/L	93
55) Styrene	12.182	104	18135	0.75	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.713	83	7130	1.07	ug/L #	80
59) Bromoform	12.353	173	2770	0.81	ug/L #	96
60) Isopropylbenzene	12.463	105	32872	0.85	ug/L	98
61) 1,2,3-Trichloropropane	12.768	75	4826	1.01	ug/L	99
62) 1,3,5-Trimethylbenzene	12.944	105	26489	0.85	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	26781	0.85	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	15454	0.92	ug/L	95
65) 1,4-Dichlorobenzene	13.572	146	16423	0.98	ug/L	95
67) 1,2-Dichlorobenzene	13.871	146	14324	0.97	ug/L #	94
69) 1,3,5-Trichlorobenzene	14.621	180	11741	0.96	ug/L	95
70) 1,2,4-trichlorobenzene	15.127	180	9714	1.00	ug/L	97
71) Naphthalene	15.365	128	15751	0.89	ug/L	100
72) 1,2,3-Trichlorobenzene	15.548	180	9226	1.08	ug/L	95

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

