

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022421\
 Data File : VW018233.D
 Acq On : 24 Feb 2021 11:48
 Operator : SY/VA
 Sample : M1344-04
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2021-04

Manual Integrations
 APPROVED

MMDadoda
 2/25/2021 12:18:16 PM

Quant Time: Feb 25 02:46:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 25 02:45:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	442921	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	410667	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	211614	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	121926	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.64%
7) Chloroethane-d5	2.898	69	92528	24.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.52%
11) 1,1-Dichloroethene-d2	4.025	63	182070	18.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.32%
21) 2-Butanone-d5	7.080	46	66414	62.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.86%
24) Chloroform-d	7.647	84	250335	23.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.12%
26) 1,2-Dichloroethane-d4	8.305	65	136633	25.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.88%
32) Benzene-d6	8.275	84	513930	24.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.12%
36) 1,2-Dichloropropane-d6	9.274	67	141993	23.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.68%
41) Toluene-d8	10.323	98	485976	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.92%
43) trans-1,3-Dichloroprop...	10.579	79	66975	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.04%
47) 2-Hexanone-d5	10.920	63	58547	62.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.42%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	133279	27.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.00%
66) 1,2-Dichlorobenzene-d4	13.853	152	188420	24.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.32%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	5316	1.01	ug/L	92
3) Chloromethane	2.215	50	4906	1.21	ug/L	92
5) Vinyl chloride	2.367	62	7311	1.26	ug/L #	56
6) Bromomethane	2.788	94	5084	1.26	ug/L	91
8) Chloroethane	2.934	64	3803	1.17	ug/L	95
9) Trichlorofluoromethane	3.269	101	4053	0.98	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	4.074	101	8075	1.42	ug/L #	53
12) 1,1-Dichloroethene	4.044	96	7909	1.44	ug/L #	1
13) Acetone	4.135	43	2707	3.77	ug/L	65
14) Carbon disulfide	4.391	76	17633	1.05	ug/L #	93
15) Methyl Acetate	4.678	43	2528	1.35	ug/L #	71
16) Methylene chloride	4.915	84	13938	2.32	ug/L	82
17) trans-1,2-Dichloroethene	5.428	96	6846	1.17	ug/L	86
18) Methyl tert-butyl Ether	5.421	73	7059m	1.21	ug/L	
19) 1,1-Dichloroethane	6.220	63	10432	1.14	ug/L	94
20) cis-1,2-Dichloroethene	7.165	96	6679	1.10	ug/L	80
22) 2-Butanone	7.183	43	3128	2.74	ug/L	97
23) Bromochloromethane	7.513	128	3373	1.16	ug/L #	73
25) Chloroform	7.677	83	11673	1.17	ug/L	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	7658	1.27	ug/L #	95
29) Cyclohexane	7.964	56	8968m	1.09	ug/L	
30) 1,1,1-Trichloroethane	7.878	97	9003	1.09	ug/L	96
31) Carbon tetrachloride	8.073	117	8812	1.10	ug/L	99
33) Benzene	8.323	78	24649	1.12	ug/L	100
34) Trichloroethene	9.092	95	6851	1.12	ug/L	89
35) Methylcyclohexane	9.335	83	10512	1.04	ug/L	96
37) 1,2-Dichloropropane	9.372	63	5679	1.12	ug/L	98
38) Bromodichloromethane	9.646	83	7658	1.08	ug/L	98
39) cis-1,3-Dichloropropene	10.073	75	9015	1.11	ug/L	98
40) 4-Methyl-2-pentanone	10.207	43	6773	2.63	ug/L	98
42) Toluene	10.384	91	27987	1.16	ug/L	100
44) trans-1,3-Dichloropropene	10.603	75	10683	1.53	ug/L	96
45) 1,1,2-Trichloroethane	10.786	97	4831	1.16	ug/L	96
46) Tetrachloroethene	10.860	164	5852	1.08	ug/L	94
48) 2-Hexanone	10.969	43	5062	2.88	ug/L	93
49) Dibromochloromethane	11.128	129	5752	1.12	ug/L	96
50) 1,2-Dibromoethane	11.231	107	4806	1.18	ug/L #	100
51) Chlorobenzene	11.658	112	17777	1.10	ug/L	96
52) Ethylbenzene	11.731	91	29491	1.08	ug/L	99
53) m,p-Xylene	11.841	106	11722	1.10	ug/L	94
54) o-Xylene	12.164	106	10428	1.04	ug/L	97
55) Styrene	12.182	104	17513	1.04	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.713	83	6718	1.45	ug/L #	91
59) Bromoform	12.347	173	3364	1.12	ug/L	95
60) Isopropylbenzene	12.463	105	28293	1.02	ug/L	98
61) 1,2,3-Trichloropropane	12.768	75	4591	1.32	ug/L	93
62) 1,3,5-Trimethylbenzene	12.945	105	22751	0.98	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	23411	1.01	ug/L	100
64) 1,3-Dichlorobenzene	13.499	146	14222	1.07	ug/L	91
65) 1,4-Dichlorobenzene	13.579	146	14831	1.12	ug/L	99
67) 1,2-Dichlorobenzene	13.865	146	13947	1.17	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.481	75	978m	1.30	ug/L	
69) 1,3,5-Trichlorobenzene	14.627	180	11701	1.15	ug/L	96
70) 1,2,4-trichlorobenzene	15.127	180	10104	1.20	ug/L	97
71) Naphthalene	15.365	128	18009	1.21	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	8766	1.18	ug/L	96

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

