

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022321\
 Data File : VW018228.D
 Acq On : 23 Feb 2021 15:37
 Operator : SY/VA
 Sample : M1344-03
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2021-03

Manual Integrations
 APPROVED

MMDadoda
 2/24/2021 1:35:45 PM

Quant Time: Feb 24 00:34:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Feb 23 18:34:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	433042	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	393986	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	204178	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	117271	24.51	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	98.04%		
7) Chloroethane-d5	2.892	69	90011	24.00	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	96.00%		
11) 1,1-Dichloroethene-d2	4.025	63	174127	17.93	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	71.72%		
21) 2-Butanone-d5	7.074	46	67411	64.81	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	129.62%		
24) Chloroform-d	7.647	84	246588	23.46	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	93.84%		
26) 1,2-Dichloroethane-d4	8.305	65	134835	25.71	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	102.84%		
32) Benzene-d6	8.275	84	509020	24.81	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	99.24%		
36) 1,2-Dichloropropane-d6	9.275	67	143128	25.14	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	100.56%		
41) Toluene-d8	10.323	98	481027	24.48	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	97.92%		
43) trans-1,3-Dichloroprop...	10.579	79	65859	25.64	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	102.56%		
47) 2-Hexanone-d5	10.921	63	58515	64.80	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	129.60%		
56) 1,1,2,2-Tetrachloroeth...	12.689	84	133504	28.71	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	114.84%		
66) 1,2-Dichlorobenzene-d4	13.853	152	185807	24.87	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	99.48%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.014	85	5617	1.09	ug/L	97
3) Chloromethane	2.215	50	4953	1.25	ug/L	96
5) Vinyl chloride	2.367	62	6891	1.21	ug/L #	57
6) Bromomethane	2.788	94	4876	1.24	ug/L	88
8) Chloroethane	2.928	64	3546	1.12	ug/L	97
9) Trichlorofluoromethane	3.263	101	3496	0.86	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	7931	1.43	ug/L #	77
12) 1,1-Dichloroethene	4.050	96	7356	1.37	ug/L #	1
13) Acetone	4.129	43	3013	4.30	ug/L	96
14) Carbon disulfide	4.391	76	16900	1.03	ug/L	95
15) Methyl Acetate	4.678	43	2448	1.33	ug/L	99
16) Methylene chloride	4.922	84	15583m	2.65	ug/L	
17) trans-1,2-Dichloroethene	5.428	96	6329	1.11	ug/L	79
18) Methyl tert-butyl Ether	5.428	73	6967	1.22	ug/L #	75
19) 1,1-Dichloroethane	6.220	63	10058	1.12	ug/L	94
20) cis-1,2-Dichloroethene	7.165	96	6843	1.15	ug/L	85
22) 2-Butanone	7.177	43	3910m	3.50	ug/L	
23) Bromochloromethane	7.519	128	3290	1.16	ug/L #	74
25) Chloroform	7.677	83	11775	1.21	ug/L	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	7721	1.31	ug/L	98
29) Cyclohexane	7.958	56	8402	1.06	ug/L #	88
30) 1,1,1-Trichloroethane	7.872	97	8886	1.12	ug/L	95
31) Carbon tetrachloride	8.074	117	8243	1.07	ug/L	97
33) Benzene	8.323	78	24625	1.17	ug/L	100
34) Trichloroethene	9.092	95	6933	1.18	ug/L	94
35) Methylcyclohexane	9.342	83	10797	1.11	ug/L	98
37) 1,2-Dichloropropane	9.372	63	5558	1.14	ug/L #	97
38) Bromodichloromethane	9.646	83	7895	1.16	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	8249	1.06	ug/L	95
40) 4-Methyl-2-pentanone	10.207	43	7210	2.92	ug/L #	91
42) Toluene	10.390	91	27778	1.20	ug/L	97
44) trans-1,3-Dichloropropene	10.604	75	10644	1.59	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	4943	1.24	ug/L	95
46) Tetrachloroethene	10.860	164	5798	1.11	ug/L	96
48) 2-Hexanone	10.969	43	5116	3.04	ug/L #	92
49) Dibromochloromethane	11.128	129	5701	1.16	ug/L	96
50) 1,2-Dibromoethane	11.238	107	5137	1.32	ug/L #	98
51) Chlorobenzene	11.652	112	18572	1.20	ug/L	95
52) Ethylbenzene	11.731	91	29611	1.13	ug/L	100
53) m,p-Xylene	11.841	106	11984	1.17	ug/L	96
54) o-Xylene	12.164	106	10608	1.10	ug/L	94
55) Styrene	12.176	104	17198	1.06	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.713	83	6492	1.46	ug/L #	95
59) Bromoform	12.347	173	3528	1.21	ug/L #	40
60) Isopropylbenzene	12.463	105	29104	1.09	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	4646	1.39	ug/L #	93
62) 1,3,5-Trimethylbenzene	12.939	105	24201	1.08	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	24931	1.12	ug/L	98
64) 1,3-Dichlorobenzene	13.499	146	14976	1.17	ug/L	96
65) 1,4-Dichlorobenzene	13.579	146	15421	1.20	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	14198	1.23	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.481	75	984m	1.35	ug/L	
69) 1,3,5-Trichlorobenzene	14.627	180	12462	1.26	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	10521	1.29	ug/L	97
71) Naphthalene	15.365	128	19333	1.35	ug/L	98
72) 1,2,3-Trichlorobenzene	15.554	180	9770	1.37	ug/L	96

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

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