

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081221\
 Data File : VW019718.D
 Acq On : 12 Aug 2021 10:34
 Operator : SY/VA
 Sample : M3263-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2021-07

Manual Integrations
 APPROVED

MMDadoda
 8/13/2021 3:48:52 PM

Quant Time: Aug 13 03:08:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 13 02:01:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.847	114	293831	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.633	117	274147	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	133829	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	85116	24.807	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.240%
7) Chloroethane-d5	2.897	69	104100	30.695	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.800%
11) 1,1-Dichloroethene-d2	4.019	63	128204	18.159	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.640%
21) 2-Butanone-d5	7.092	46	54716	48.829	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.660%
24) Chloroform-d	7.652	84	195971	22.061	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.240%
26) 1,2-Dichloroethane-d4	8.305	65	113566	21.961	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.840%
32) Benzene-d6	8.274	84	379031	20.882	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.520%
36) 1,2-Dichloropropane-d6	9.274	67	119328	21.852	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.400%
41) Toluene-d8	10.323	98	339446	20.501	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	10.579	79	48601	21.556	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.240%
47) 2-Hexanone-d5	10.926	63	44019	45.950	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.900%
56) 1,1,2,2-Tetrachloroeth...	12.694	84	104394	22.032	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.120%
66) 1,2-Dichlorobenzene-d4	13.852	152	119805	24.272	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.013	85	3786m	1.177	ug/L	
3) Chloromethane	2.220	50	5776	1.775	ug/L	95
5) Vinyl chloride	2.367	62	5914	1.349	ug/L #	39
6) Bromomethane	2.787	94	4682	1.363	ug/L	92
8) Chloroethane	2.928	64	4991	1.693	ug/L	100
9) Trichlorofluoromethane	3.263	101	4409	1.624	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	4.074	101	5962m	1.648	ug/L	
12) 1,1-Dichloroethene	4.049	96	5313m	1.509	ug/L	
13) Acetone	4.153	43	4763	5.171	ug/L	98
14) Carbon disulfide	4.391	76	11815	1.179	ug/L	97
15) Methyl Acetate	4.696	43	2235m	1.297	ug/L	
16) Methylene chloride	4.927	84	37614	7.660	ug/L	97
17) trans-1,2-Dichloroethene	5.433	96	4619m	1.200	ug/L	
18) Methyl tert-butyl Ether	5.427	73	5305m	0.949	ug/L	
19) 1,1-Dichloroethane	6.214	63	8087m	1.000	ug/L	
20) cis-1,2-Dichloroethene	7.183	96	4641	1.064	ug/L	83
23) Bromochloromethane	7.518	128	2211	1.096	ug/L	96
25) Chloroform	7.683	83	9771	1.179	ug/L	98
27) 1,2-Dichloroethane	8.402	62	6046	1.045	ug/L #	93

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

29) Cyclohexane	7.957	56	6440	0.948	ug/L #	23
30) 1,1,1-Trichloroethane	7.872	97	7080	1.009	ug/L	99
31) Carbon tetrachloride	8.067	117	6368	0.983	ug/L	98
33) Benzene	8.323	78	19587	1.031	ug/L	100
34) Trichloroethene	9.091	95	4856	1.031	ug/L	91
35) Methylcyclohexane	9.335	83	7853	1.007	ug/L	98
37) 1,2-Dichloropropane	9.372	63	4704	0.991	ug/L	99
38) Bromodichloromethane	9.646	83	6129	1.019	ug/L	94
39) cis-1,3-Dichloropropene	10.073	75	7136	0.985	ug/L	98
42) Toluene	10.390	91	25257	1.266	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	3750	1.068	ug/L	94
46) Tetrachloroethene	10.859	164	3886	1.097	ug/L	94
48) 2-Hexanone	10.969	43	4005	1.995	ug/L #	91
49) Dibromochloromethane	11.133	129	3781	0.972	ug/L	100
50) 1,2-Dibromoethane	11.237	107	3389	1.014	ug/L	95
51) Chlorobenzene	11.658	112	12753	1.046	ug/L	96
52) Ethylbenzene	11.731	91	20513	0.981	ug/L	98
53) m,p-Xylene	11.835	106	7810	0.981	ug/L	98
54) o-Xylene	12.164	106	6549	0.853	ug/L	83
55) Styrene	12.182	104	10273	0.779	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.712	83	5118	1.145	ug/L #	95
59) Bromoform	12.347	173	2118	1.041	ug/L	97
60) Isopropylbenzene	12.463	105	17380	0.950	ug/L	99
61) 1,2,3-Trichloropropane	12.773	75	3522	1.164	ug/L	95
62) 1,3,5-Trimethylbenzene	12.944	105	13997	0.918	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	14089	0.886	ug/L	97
64) 1,3-Dichlorobenzene	13.493	146	9421	1.063	ug/L	97
65) 1,4-Dichlorobenzene	13.578	146	10410	1.165	ug/L	96
67) 1,2-Dichlorobenzene	13.871	146	9174	1.179	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.487	75	786m	1.331	ug/L	
69) 1,3,5-Trichlorobenzene	14.627	180	6721	1.187	ug/L	99
70) 1,2,4-trichlorobenzene	15.133	180	5797	1.216	ug/L	100
71) Naphthalene	15.364	128	9645	1.041	ug/L	99
72) 1,2,3-Trichlorobenzene	15.547	180	5001	1.186	ug/L	98

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

