

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051721\
 Data File : VW019008.D
 Acq On : 17 May 2021 11:14
 Operator : SY/VA
 Sample : M2250-04
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2021-06

Manual Integrations
 APPROVED

MMDadoda
 5/21/2021 6:46:58 PM

Quant Time: May 18 01:21:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM051421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 18 01:12:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	581420	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	534427	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	259946	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	134326	22.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.84%
7) Chloroethane-d5	2.891	69	118708	20.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.24%
11) 1,1-Dichloroethene-d2	4.025	63	208452	15.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.72%
21) 2-Butanone-d5	7.080	46	69733	44.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.50%
24) Chloroform-d	7.647	84	325239	21.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.44%
26) 1,2-Dichloroethane-d4	8.305	65	171841	22.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.92%
32) Benzene-d6	8.275	84	655909	21.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.96%
36) 1,2-Dichloropropane-d6	9.274	67	195873	22.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.60%
41) Toluene-d8	10.329	98	602572	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloroprop...	10.579	79	79403	21.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.48%
47) 2-Hexanone-d5	10.927	63	57121	44.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.36%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	141311	21.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.36%
66) 1,2-Dichlorobenzene-d4	13.853	152	195514	21.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.08%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	5672	0.95	ug/L	92
3) Chloromethane	2.215	50	5395	0.91	ug/L	96
5) Vinyl chloride	2.367	62	9229m	1.21	ug/L	
6) Bromomethane	2.782	94	6307	1.00	ug/L	93
8) Chloroethane	2.934	64	5894	1.10	ug/L	95
9) Trichlorofluoromethane	3.257	101	4698	0.84	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.074	101	8901m	1.16	ug/L	
12) 1,1-Dichloroethene	4.044	96	8656	1.16	ug/L #	1
13) Acetone	4.141	43	4219	3.20	ug/L	78
14) Carbon disulfide	4.397	76	19876	0.95	ug/L	96
15) Methyl Acetate	4.684	43	2814m	1.03	ug/L	
16) Methylene chloride	4.928	84	16922m	1.73	ug/L	
17) trans-1,2-Dichloroethene	5.434	96	8311	1.01	ug/L	95
18) Methyl tert-butyl Ether	5.428	73	9507	0.96	ug/L #	69
19) 1,1-Dichloroethane	6.220	63	14712	1.03	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	8797	1.02	ug/L	92
23) Bromochloromethane	7.519	128	3665	0.99	ug/L	93
25) Chloroform	7.677	83	16389	1.12	ug/L	96
27) 1,2-Dichloroethane	8.403	62	10052	1.09	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.964	56	12037	0.94	ug/L	99
30) 1,1,1-Trichloroethane	7.866	97	11627m	1.00	ug/L	
31) Carbon tetrachloride	8.067	117	9791	0.92	ug/L	93
33) Benzene	8.329	78	34067	1.04	ug/L	100
34) Trichloroethene	9.091	95	8808	1.02	ug/L	88
35) Methylcyclohexane	9.335	83	13511	0.90	ug/L	93
37) 1,2-Dichloropropane	9.372	63	8227	1.04	ug/L	99
38) Bromodichloromethane	9.646	83	9747	0.95	ug/L	87
39) cis-1,3-Dichloropropene	10.073	75	11089	0.94	ug/L	93
40) 4-Methyl-2-pentanone	10.207	43	9275	2.27	ug/L	96
42) Toluene	10.390	91	44139	1.23	ug/L	97
44) trans-1,3-Dichloropropene	10.603	75	8728m	0.85	ug/L	
45) 1,1,2-Trichloroethane	10.792	97	5541	0.96	ug/L	90
46) Tetrachloroethene	10.866	164	6647	0.96	ug/L	95
48) 2-Hexanone	10.969	43	4967	1.87	ug/L #	93
49) Dibromochloromethane	11.128	129	5746	0.89	ug/L	83
50) 1,2-Dibromoethane	11.237	107	5060	0.94	ug/L	90
51) Chlorobenzene	11.658	112	22341	1.00	ug/L	98
52) Ethylbenzene	11.731	91	38570	0.97	ug/L	97
53) m,p-Xylene	11.835	106	13991	0.93	ug/L	92
54) o-Xylene	12.164	106	12422	0.88	ug/L	99
55) Styrene	12.182	104	20008	0.83	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.719	83	7315	1.10	ug/L	88
59) Bromoform	12.353	173	2830	0.84	ug/L	96
60) Isopropylbenzene	12.463	105	33417	0.88	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	4965	1.06	ug/L #	75
62) 1,3,5-Trimethylbenzene	12.944	105	26529	0.87	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	28554	0.92	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	16010	0.97	ug/L	95
65) 1,4-Dichlorobenzene	13.579	146	16223	0.99	ug/L	93
67) 1,2-Dichlorobenzene	13.871	146	14595	1.01	ug/L	95
69) 1,3,5-Trichlorobenzene	14.627	180	11388	0.95	ug/L	97
70) 1,2,4-trichlorobenzene	15.133	180	8993	0.94	ug/L	95
71) Naphthalene	15.365	128	15485	0.89	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.548	180	7954	0.95	ug/L	97

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

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