

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021420\
 Data File : VW014991.D
 Acq On : 14 Feb 2020 12:26
 Operator : SY/VA
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 3:46:14 PM

Quant Time: Feb 15 03:15:03 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M

Quant Title : SFAM01.0

QLast Update : Sat Feb 15 03:02:51 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	748106	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	694577	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	267807	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	393480	26.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.48%
7) Chloroethane-d5	2.89	69	298555	26.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.04%
11) 1,1-Dichloroethene-d2	4.01	63	521543	19.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.20%
21) 2-Butanone-d5	7.07	46	189244	45.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.14%
24) Chloroform-d	7.65	84	604908	25.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.68%
26) 1,2-Dichloroethane-d4	8.30	65	362060	25.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.72%
32) Benzene-d6	8.27	84	1220068	26.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.28%
36) 1,2-Dichloropropane-d6	9.27	67	413019	25.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.64%
41) Toluene-d8	10.32	98	1034086	26.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.76%
43) trans-1,3-Dichloropropene-	10.57	79	150129	24.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.20%
47) 2-Hexanone-d5	10.92	63	127687	44.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.20%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	281031	23.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.60%
66) 1,2-Dichlorobenzene-d4	13.85	152	278052	27.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	7235	0.974 ug/L	96
3) Chloromethane	2.21	50	16930	1.211 ug/L	96
5) Vinyl chloride	2.36	62	21820	1.213 ug/L #	46
6) Bromomethane	2.78	94	9427	1.155 ug/L	89
8) Chloroethane	2.93	64	11635	1.209 ug/L	85
9) Trichlorofluoromethane	3.26	101	7921	1.115 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	16829m	1.448 ug/L	
12) 1,1-Dichloroethene	4.03	96	15321	1.374 ug/L #	1
13) Acetone	4.12	43	14721	3.358 ug/L	99
14) Carbon disulfide	4.39	76	43160	1.071 ug/L	98
15) Methyl Acetate	4.68	43	7327m	0.963 ug/L	
16) Methylene chloride	4.92	84	40587	2.936 ug/L	97
17) trans-1,2-Dichloroethene	5.42	96	12296m	1.093 ug/L	
18) Methyl tert-butyl Ether	5.43	73	14020m	1.010 ug/L	
19) 1,1-Dichloroethane	6.21	63	28125	1.119 ug/L	98
20) cis-1,2-Dichloroethene	7.17	96	12297m	1.061 ug/L	
22) 2-Butanone	7.18	43	14606	2.772 ug/L	83

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.52	128	5358	1.139	ug/L #	84
25) Chloroform	7.67	83	26265	1.173	ug/L	86
27) 1,2-Dichloroethane	8.40	62	18562	1.128	ug/L #	92
29) Cyclohexane	7.95	56	19739	0.872	ug/L	98
30) 1,1,1-Trichloroethane	7.87	97	18845	1.115	ug/L	98
31) Carbon tetrachloride	8.06	117	16803	1.103	ug/L	99
33) Benzene	8.32	78	56629	1.110	ug/L	100
34) Trichloroethene	9.09	95	13567	1.111	ug/L	94
35) Methylcyclohexane	9.33	83	19425	0.922	ug/L	89
37) 1,2-Dichloropropane	9.37	63	15136	1.063	ug/L #	96
38) Bromodichloromethane	9.64	83	16926	1.055	ug/L	93
39) cis-1,3-Dichloropropene	10.07	75	18263	0.958	ug/L	95
40) 4-Methyl-2-pentanone	10.21	43	19152	1.889	ug/L	99
42) Toluene	10.38	91	55952	1.135	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	15785m	0.999	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	9504	1.100	ug/L	97
46) Tetrachloroethene	10.87	164	8659	1.092	ug/L	86
48) 2-Hexanone	10.97	43	15523	2.101	ug/L #	97
49) Dibromochloromethane	11.13	129	9032	1.003	ug/L	97
50) 1,2-Dibromoethane	11.23	107	8021	1.030	ug/L	97
51) Chlorobenzene	11.65	112	31681	1.090	ug/L	90
52) Ethylbenzene	11.73	91	51815	0.965	ug/L	97
53) m,p-Xylene	11.84	106	17505	0.929	ug/L	100
54) o-Xylene	12.16	106	15270	0.863	ug/L	91
55) Styrene	12.18	104	24348	0.799	ug/L	84
57) 1,1,2,2-Tetrachloroethane	12.71	83	12149	1.051	ug/L #	86
59) Bromoform	12.35	173	4526	1.105	ug/L #	97
60) Isopropylbenzene	12.46	105	39995	0.954	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	8582	1.093	ug/L #	93
62) 1,3,5-Trimethylbenzene	12.94	105	29551	0.884	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	27126	0.829	ug/L	100
64) 1,3-Dichlorobenzene	13.49	146	18836	1.090	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	20146	1.131	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	19695	1.232	ug/L	96
69) 1,3,5-Trichlorobenzene	14.63	180	13040	1.126	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	8145	0.938	ug/L	96
71) Naphthalene	15.37	128	6305	0.707	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.56	180	6909	0.859	ug/L	90

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

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