

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021720\
 Data File : VW015002.D
 Acq On : 17 Feb 2020 16:30
 Operator : SY/VA
 Sample : MDL07
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 6:02:55 PM

Quant Time: Feb 18 04:33:28 2020

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

Quant Title : SFAM01.0

QLast Update : Tue Feb 18 04:28:02 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	739145	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	697664	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	286077	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	325902	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.56%
7) Chloroethane-d5	2.89	69	254018	22.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.56%
11) 1,1-Dichloroethene-d2	4.02	63	449259	16.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.28%
21) 2-Butanone-d5	7.07	46	178881	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	7.65	84	534846	22.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.12%
26) 1,2-Dichloroethane-d4	8.30	65	325390	23.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.44%
32) Benzene-d6	8.27	84	1073560	22.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.36%
36) 1,2-Dichloropropane-d6	9.27	67	373702	23.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.44%
41) Toluene-d8	10.32	98	897138	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.48%
43) trans-1,3-Dichloropropene-	10.57	79	133344	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.84%
47) 2-Hexanone-d5	10.92	63	122371	42.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.10%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	270168	22.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.56%
66) 1,2-Dichlorobenzene-d4	13.85	152	262395	24.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	11921	1.623 ug/L #	88
3) Chloromethane	2.21	50	29163	2.112 ug/L	100
5) Vinyl chloride	2.36	62	38661	2.175 ug/L #	77
6) Bromomethane	2.78	94	16422	2.037 ug/L	79
8) Chloroethane	2.92	64	20627	2.169 ug/L	94
9) Trichlorofluoromethane	3.25	101	12313	1.754 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	27863m	2.426 ug/L	
12) 1,1-Dichloroethene	4.04	96	25749	2.338 ug/L #	1
13) Acetone	4.12	43	19021	4.392 ug/L	93
14) Carbon disulfide	4.38	76	78103	1.961 ug/L	98
15) Methyl Acetate	4.68	43	13813	1.838 ug/L #	78
16) Methylene chloride	4.92	84	51072	3.739 ug/L	90
17) trans-1,2-Dichloroethene	5.42	96	20632	1.856 ug/L	95
18) Methyl tert-butyl Ether	5.43	73	26019	1.897 ug/L #	63
19) 1,1-Dichloroethane	6.21	63	49868	2.009 ug/L	98
20) cis-1,2-Dichloroethene	7.17	96	22460	1.961 ug/L	96
22) 2-Butanone	7.18	43	24070m	4.623 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	9538	2.053	ug/L	98
25) Chloroform	7.67	83	48230	2.180	ug/L	97
27) 1,2-Dichloroethane	8.40	62	34799	2.141	ug/L	98
29) Cyclohexane	7.95	56	37950	1.668	ug/L	100
30) 1,1,1-Trichloroethane	7.87	97	35098	2.068	ug/L	99
31) Carbon tetrachloride	8.06	117	30576	1.999	ug/L	99
33) Benzene	8.32	78	106549	2.080	ug/L	100
34) Trichloroethene	9.09	95	24148	1.968	ug/L	95
35) Methylcyclohexane	9.33	83	37924	1.792	ug/L	95
37) 1,2-Dichloropropane	9.37	63	29166	2.039	ug/L #	95
38) Bromodichloromethane	9.64	83	31125	1.932	ug/L	97
39) cis-1,3-Dichloropropene	10.07	75	35894	1.875	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	35203	3.456	ug/L	99
42) Toluene	10.38	91	102524	2.071	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	30559m	1.925	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	17049	1.965	ug/L	99
46) Tetrachloroethene	10.86	164	15468	1.942	ug/L	98
48) 2-Hexanone	10.97	43	26159	3.525	ug/L	97
49) Dibromochloromethane	11.12	129	17176	1.899	ug/L	98
50) 1,2-Dibromoethane	11.23	107	15190	1.942	ug/L	99
51) Chlorobenzene	11.65	112	58130	1.991	ug/L	98
52) Ethylbenzene	11.73	91	99370	1.843	ug/L	98
53) m,p-Xylene	11.84	106	33147	1.752	ug/L	90
54) o-Xylene	12.16	106	29365	1.653	ug/L	94
55) Styrene	12.18	104	48688	1.590	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	24075	2.073	ug/L #	94
59) Bromoform	12.35	173	9062	2.072	ug/L	97
60) Isopropylbenzene	12.46	105	76547	1.709	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	17892	2.134	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	60647	1.698	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	57015	1.632	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	36921	2.000	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	40502	2.128	ug/L	99
67) 1,2-Dichlorobenzene	13.87	146	37499	2.195	ug/L	90
68) 1,2-Dibromo-3-chloropropan	14.48	75	3761	2.145	ug/L #	90
69) 1,3,5-Trichlorobenzene	14.63	180	25751	2.081	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	17395	1.876	ug/L	99
71) Naphthalene	15.37	128	14590	1.532	ug/L	96
72) 1,2,3-Trichlorobenzene	15.55	180	16416	1.910	ug/L	99

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

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