

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021420\
 Data File : VW014992.D
 Acq On : 14 Feb 2020 12:52
 Operator : SY/VA
 Sample : MDL05
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 3:46:18 PM

Quant Time: Feb 15 03:22:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 15 03:16:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	728878	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	680023	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	269214	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	369398	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.64%
7) Chloroethane-d5	2.89	69	277992	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	4.02	63	497394	18.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.56%
21) 2-Butanone-d5	7.07	46	186880	45.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.36%
24) Chloroform-d	7.65	84	579055	24.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.92%
26) 1,2-Dichloroethane-d4	8.31	65	350914	25.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	8.27	84	1179226	25.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.92%
36) 1,2-Dichloropropane-d6	9.27	67	404478	25.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.64%
41) Toluene-d8	10.32	98	992761	25.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.72%
43) trans-1,3-Dichloropropene-	10.58	79	144754	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.72%
47) 2-Hexanone-d5	10.92	63	130377	46.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.02%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	279927	23.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.20%
66) 1,2-Dichlorobenzene-d4	13.85	152	269791	26.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.02	85	6562m	0.906	ug/L	
3) Chloromethane	2.21	50	17093	1.255	ug/L	99
5) Vinyl chloride	2.36	62	22182m	1.265	ug/L	
6) Bromomethane	2.78	94	8992	1.131	ug/L	98
8) Chloroethane	2.93	64	11432	1.219	ug/L	98
9) Trichlorofluoromethane	3.25	101	7258	1.048	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	17051m	1.505	ug/L	
12) 1,1-Dichloroethene	4.04	96	15626	1.439	ug/L #	1
13) Acetone	4.12	43	13731	3.215	ug/L	99
14) Carbon disulfide	4.38	76	43843	1.116	ug/L	99
15) Methyl Acetate	4.68	43	8223m	1.110	ug/L	
16) Methylene chloride	4.92	84	40660	3.019	ug/L	92
17) trans-1,2-Dichloroethene	5.43	96	12502m	1.141	ug/L	
18) Methyl tert-butyl Ether	5.42	73	14959	1.106	ug/L #	81
19) 1,1-Dichloroethane	6.21	63	28186	1.151	ug/L	99
20) cis-1,2-Dichloroethene	7.17	96	12672	1.122	ug/L	97
22) 2-Butanone	7.18	43	15469m	3.013	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	5562	1.214	ug/L	85
25) Chloroform	7.68	83	28517	1.307	ug/L	96
27) 1,2-Dichloroethane	8.40	62	20208	1.261	ug/L #	88
29) Cyclohexane	7.95	56	21615	0.975	ug/L	96
30) 1,1,1-Trichloroethane	7.87	97	19598	1.185	ug/L	97
31) Carbon tetrachloride	8.06	117	17647	1.184	ug/L	97
33) Benzene	8.32	78	59524	1.192	ug/L	100
34) Trichloroethene	9.09	95	14159	1.184	ug/L	97
35) Methylcyclohexane	9.33	83	21598	1.047	ug/L	98
37) 1,2-Dichloropropane	9.37	63	16202	1.162	ug/L	100
38) Bromodichloromethane	9.64	83	17667	1.125	ug/L	97
39) cis-1,3-Dichloropropene	10.07	75	19737	1.058	ug/L	90
40) 4-Methyl-2-pentanone	10.21	43	20451	2.060	ug/L	96
42) Toluene	10.39	91	59189	1.227	ug/L	100
44) trans-1,3-Dichloropropene	10.60	75	16620m	1.074	ug/L	
45) 1,1,2-Trichloroethane	10.78	97	10136	1.198	ug/L	91
46) Tetrachloroethene	10.87	164	9298	1.197	ug/L	80
48) 2-Hexanone	10.97	43	16391	2.266	ug/L	99
49) Dibromochloromethane	11.13	129	9874	1.120	ug/L	90
50) 1,2-Dibromoethane	11.23	107	8530	1.119	ug/L #	99
51) Chlorobenzene	11.66	112	33675	1.183	ug/L	95
52) Ethylbenzene	11.73	91	54272	1.033	ug/L	97
53) m,p-Xylene	11.84	106	17721	0.961	ug/L	95
54) o-Xylene	12.16	106	15129	0.874	ug/L	96
55) Styrene	12.18	104	24942	0.836	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	13420	1.186	ug/L #	93
59) Bromoform	12.35	173	4602	1.118	ug/L	95
60) Isopropylbenzene	12.46	105	40120	0.952	ug/L	97
61) 1,2,3-Trichloropropane	12.77	75	9751	1.236	ug/L #	92
62) 1,3,5-Trimethylbenzene	12.94	105	30902	0.920	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	29835	0.908	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	19419	1.118	ug/L	98
65) 1,4-Dichlorobenzene	13.57	146	22408	1.251	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	20597	1.281	ug/L #	90
68) 1,2-Dibromo-3-chloropropan	14.49	75	2233	1.353	ug/L #	89
69) 1,3,5-Trichlorobenzene	14.63	180	13221	1.136	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	8364	0.958	ug/L	98
71) Naphthalene	15.36	128	6326	0.706	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.56	180	8049	0.995	ug/L	95

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

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