

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120220\
 Data File : VW017524.D
 Acq On : 02 Dec 2020 16:15
 Operator : SY/VA
 Sample : MDLCHECK
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 12:05:47 PM

Quant Time: Dec 03 03:33:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM120220SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 03 02:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	485058	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	435077	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	211653	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	153386	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.48%
7) Chloroethane-d5	2.90	69	119685	24.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.12%
11) 1,1-Dichloroethene-d2	4.03	63	251467	19.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.36%
21) 2-Butanone-d5	7.09	46	73081	46.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.12%
24) Chloroform-d	7.65	84	300409	23.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	8.30	65	163284m	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.16%
32) Benzene-d6	8.27	84	609914	25.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.88%
36) 1,2-Dichloropropane-d6	9.27	67	173252	24.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.80%
41) Toluene-d8	10.32	98	553482	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.04%
43) trans-1,3-Dichloropropene-	10.58	79	77746	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.12%
47) 2-Hexanone-d5	10.93	63	47633	48.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.38%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	132904	23.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.28%
66) 1,2-Dichlorobenzene-d4	13.86	152	195698	25.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	4709	1.270 ug/L	100
3) Chloromethane	2.21	50	5855	1.477 ug/L	97
5) Vinyl chloride	2.37	62	8277	1.459 ug/L #	12
6) Bromomethane	2.79	94	5531	1.434 ug/L	86
8) Chloroethane	2.93	64	5107	1.433 ug/L	90
9) Trichlorofluoromethane	3.27	101	6055	1.098 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	10222	1.599 ug/L #	44
12) 1,1-Dichloroethene	4.04	96	9409	1.546 ug/L #	1
13) Acetone	4.14	43	4060	3.268 ug/L	76
14) Carbon disulfide	4.40	76	21168	1.246 ug/L	96
15) Methyl Acetate	4.67	43	3859m	1.522 ug/L	
16) Methylene chloride	4.92	84	19996	2.847 ug/L	97
17) trans-1,2-Dichloroethene	5.43	96	8305	1.316 ug/L	98
18) Methyl tert-butyl Ether	5.43	73	8889	1.222 ug/L #	63
19) 1,1-Dichloroethane	6.22	63	13869	1.272 ug/L	96
20) cis-1,2-Dichloroethene	7.17	96	7987	1.182 ug/L	100
22) 2-Butanone	7.18	43	5154	2.766 ug/L	91

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

23) Bromochloromethane	7.52	128	4116	1.302	ug/L	99
25) Chloroform	7.68	83	15352	1.318	ug/L	96
27) 1,2-Dichloroethane	8.40	62	9142	1.234	ug/L #	90
29) Cyclohexane	7.96	56	11105	1.224	ug/L	98
30) 1,1,1-Trichloroethane	7.88	97	12225	1.282	ug/L	98
31) Carbon tetrachloride	8.07	117	11597	1.248	ug/L	98
33) Benzene	8.33	78	31774	1.331	ug/L	100
34) Trichloroethene	9.09	95	8385	1.273	ug/L	97
35) Methylcyclohexane	9.34	83	13236	1.247	ug/L	97
37) 1,2-Dichloropropane	9.37	63	7327	1.257	ug/L #	96
38) Bromodichloromethane	9.65	83	10041	1.233	ug/L	92
39) cis-1,3-Dichloropropene	10.07	75	10693	1.166	ug/L	93
40) 4-Methyl-2-pentanone	10.21	43	9594	2.929	ug/L	97
42) Toluene	10.39	91	33734	1.314	ug/L	91
44) trans-1,3-Dichloropropene	10.60	75	13434	1.634	ug/L	92
45) 1,1,2-Trichloroethane	10.79	97	5676	1.232	ug/L	89
46) Tetrachloroethene	10.87	164	7120	1.302	ug/L	98
48) 2-Hexanone	10.97	43	6181	2.729	ug/L #	48
49) Dibromochloromethane	11.13	129	6725	1.171	ug/L	96
50) 1,2-Dibromoethane	11.24	107	5462	1.214	ug/L	93
51) Chlorobenzene	11.66	112	21368	1.257	ug/L	97
52) Ethylbenzene	11.73	91	36270	1.249	ug/L	98
53) m,p-Xylene	11.84	106	12819	1.169	ug/L	100
54) o-Xylene	12.17	106	12068	1.159	ug/L	97
55) Styrene	12.18	104	19237	1.081	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	6972	1.297	ug/L #	87
59) Bromoform	12.35	173	3724	1.134	ug/L #	96
60) Isopropylbenzene	12.47	105	32498	1.174	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	5073	1.309	ug/L	96
62) 1,3,5-Trimethylbenzene	12.94	105	25490	1.130	ug/L	97
63) 1,2,4-Trimethylbenzene	13.25	105	26488	1.188	ug/L	97
64) 1,3-Dichlorobenzene	13.51	146	16850	1.281	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	18587	1.392	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	15435	1.293	ug/L	91
68) 1,2-Dibromo-3-chloropropan	14.49	75	1362	1.534	ug/L	94
69) 1,3,5-Trichlorobenzene	14.63	180	12396	1.289	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	11487	1.421	ug/L	96
71) Naphthalene	15.36	128	15895	1.172	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	11325	1.624	ug/L	93

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

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