

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021420\
 Data File : VW014995.D
 Acq On : 14 Feb 2020 14:10
 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 3:46:35 PM

Quant Time: Feb 15 03:35:29 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	702151	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	664958	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	270669	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	352712	24.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.76%
7) Chloroethane-d5	2.89	69	266932	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.08%
11) 1,1-Dichloroethene-d2	4.02	63	478313	18.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.40%
21) 2-Butanone-d5	7.07	46	213516	54.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.36%
24) Chloroform-d	7.65	84	557445	24.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.88%
26) 1,2-Dichloroethane-d4	8.30	65	351991	26.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	8.27	84	1132289	25.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.08%
36) 1,2-Dichloropropane-d6	9.27	67	389999	25.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.24%
41) Toluene-d8	10.32	98	963565	25.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.96%
43) trans-1,3-Dichloropropene-	10.57	79	145834	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.64%
47) 2-Hexanone-d5	10.92	63	147678	53.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.76%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	297343	25.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.44%
66) 1,2-Dichlorobenzene-d4	13.85	152	267972	26.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	12985	1.862 ug/L	99
3) Chloromethane	2.21	50	27487	2.095 ug/L	99
5) Vinyl chloride	2.36	62	36655	2.171 ug/L #	72
6) Bromomethane	2.78	94	15289	1.996 ug/L	100
8) Chloroethane	2.92	64	18611	2.060 ug/L	95
9) Trichlorofluoromethane	3.26	101	11329	1.699 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	26341m	2.414 ug/L	
12) 1,1-Dichloroethene	4.04	96	23397	2.236 ug/L #	1
13) Acetone	4.12	43	20116	4.889 ug/L	69
14) Carbon disulfide	4.38	76	72407	1.914 ug/L	98
15) Methyl Acetate	4.67	43	15060	2.110 ug/L #	87
16) Methylene chloride	4.92	84	54317	4.187 ug/L	98
17) trans-1,2-Dichloroethene	5.42	96	20367	1.929 ug/L	97
18) Methyl tert-butyl Ether	5.42	73	25397	1.949 ug/L #	76
19) 1,1-Dichloroethane	6.21	63	47547	2.016 ug/L	99
20) cis-1,2-Dichloroethene	7.16	96	21317	1.959 ug/L	98
22) 2-Butanone	7.18	43	18801	3.801 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	9355	2.119	ug/L	94
25) Chloroform	7.67	83	47203	2.246	ug/L	100
27) 1,2-Dichloroethane	8.40	62	33166	2.148	ug/L	97
29) Cyclohexane	7.96	56	34209	1.578	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	31633	1.956	ug/L	96
31) Carbon tetrachloride	8.07	117	28577	1.960	ug/L	100
33) Benzene	8.32	78	98329	2.014	ug/L	100
34) Trichloroethene	9.09	95	22358	1.912	ug/L	94
35) Methylcyclohexane	9.34	83	34336	1.703	ug/L	94
37) 1,2-Dichloropropane	9.37	63	27085	1.986	ug/L #	95
38) Bromodichloromethane	9.65	83	30735	2.002	ug/L	94
39) cis-1,3-Dichloropropene	10.07	75	35454	1.943	ug/L	92
40) 4-Methyl-2-pentanone	10.21	43	37378	3.850	ug/L	99
42) Toluene	10.38	91	95606	2.027	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	30068m	1.987	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	17392	2.103	ug/L	95
46) Tetrachloroethene	10.86	164	14984	1.973	ug/L	98
48) 2-Hexanone	10.97	43	28418	4.018	ug/L	97
49) Dibromochloromethane	11.13	129	16992	1.972	ug/L	100
50) 1,2-Dibromoethane	11.23	107	15418	2.068	ug/L #	98
51) Chlorobenzene	11.65	112	55032	1.978	ug/L	91
52) Ethylbenzene	11.72	91	91241	1.776	ug/L	97
53) m,p-Xylene	11.84	106	31472	1.746	ug/L	89
54) o-Xylene	12.16	106	27164	1.604	ug/L	99
55) Styrene	12.18	104	45265	1.551	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.71	83	23995	2.168	ug/L #	89
59) Bromoform	12.35	173	8723	2.108	ug/L	98
60) Isopropylbenzene	12.46	105	70267	1.658	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	17950	2.263	ug/L	98
62) 1,3,5-Trimethylbenzene	12.94	105	53118	1.572	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	50198	1.519	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	34756	1.990	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	37484	2.082	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	35005	2.166	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.48	75	3932	2.370	ug/L	92
69) 1,3,5-Trichlorobenzene	14.63	180	22509	1.923	ug/L	97
70) 1,2,4-trichlorobenzene	15.13	180	14722	1.678	ug/L	97
71) Naphthalene	15.36	128	12995	1.442	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.55	180	13739	1.690	ug/L	96

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

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