

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021320\
 Data File : VW014984.D
 Acq On : 13 Feb 2020 16:56
 Operator : SY/VA
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:29:09 PM

Quant Time: Feb 14 05:33:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Feb 14 04:50:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	775860	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	722559	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	293776	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	351451	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.96%
7) Chloroethane-d5	2.89	69	266480	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
11) 1,1-Dichloroethene-d2	4.02	63	478677	17.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.32%
21) 2-Butanone-d5	7.07	46	214342	49.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.44%
24) Chloroform-d	7.65	84	564738	22.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.64%
26) 1,2-Dichloroethane-d4	8.30	65	353905	24.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.84%
32) Benzene-d6	8.27	84	1147211	23.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.24%
36) 1,2-Dichloropropane-d6	9.27	67	396009	23.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.60%
41) Toluene-d8	10.32	98	975477	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	10.57	79	147588	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.80%
47) 2-Hexanone-d5	10.92	63	145038	48.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.40%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	298386	23.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.52%
66) 1,2-Dichlorobenzene-d4	13.85	152	269993	24.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	14695	1.907 ug/L	91
3) Chloromethane	2.21	50	27405	1.891 ug/L	97
5) Vinyl chloride	2.36	62	37571	2.014 ug/L #	70
6) Bromomethane	2.78	94	16204	1.915 ug/L	91
8) Chloroethane	2.93	64	18635	1.867 ug/L	99
9) Trichlorofluoromethane	3.26	101	11985	1.626 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	25950m	2.152 ug/L	
12) 1,1-Dichloroethene	4.04	96	24851	2.149 ug/L #	1
13) Acetone	4.13	43	22374	4.922 ug/L	83
14) Carbon disulfide	4.38	76	77070	1.844 ug/L	98
15) Methyl Acetate	4.68	43	14992	1.901 ug/L #	77
16) Methylene chloride	4.92	84	65534	4.571 ug/L	99
17) trans-1,2-Dichloroethene	5.43	96	22040	1.889 ug/L	94
18) Methyl tert-butyl Ether	5.42	73	27057	1.879 ug/L	93
19) 1,1-Dichloroethane	6.21	63	51010	1.957 ug/L	99
20) cis-1,2-Dichloroethene	7.16	96	23048	1.917 ug/L	95
22) 2-Butanone	7.17	43	25852	4.731 ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	10054	2.061	ug/L	93
25) Chloroform	7.67	83	48699	2.097	ug/L	98
27) 1,2-Dichloroethane	8.40	62	35447	2.077	ug/L	98
29) Cyclohexane	7.96	56	36726	1.559	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	34645	1.971	ug/L	98
31) Carbon tetrachloride	8.07	117	30797	1.944	ug/L	97
33) Benzene	8.32	78	106810	2.013	ug/L	100
34) Trichloroethene	9.09	95	24774	1.950	ug/L	98
35) Methylcyclohexane	9.34	83	37429	1.708	ug/L	95
37) 1,2-Dichloropropane	9.37	63	29110	1.965	ug/L #	96
38) Bromodichloromethane	9.64	83	32580	1.953	ug/L	94
39) cis-1,3-Dichloropropene	10.07	75	35628	1.797	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	39721	3.766	ug/L	99
42) Toluene	10.38	91	102472	1.999	ug/L	94
44) trans-1,3-Dichloropropene	10.60	75	32373m	1.969	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	18790	2.091	ug/L	98
46) Tetrachloroethene	10.86	164	16202	1.964	ug/L	91
48) 2-Hexanone	10.97	43	31067	4.042	ug/L	100
49) Dibromochloromethane	11.13	129	18335	1.958	ug/L	87
50) 1,2-Dibromoethane	11.23	107	16144	1.992	ug/L	94
51) Chlorobenzene	11.66	112	58771	1.944	ug/L	99
52) Ethylbenzene	11.73	91	99506	1.782	ug/L	96
53) m,p-Xylene	11.83	106	32700	1.669	ug/L	99
54) o-Xylene	12.16	106	28553	1.552	ug/L	96
55) Styrene	12.18	104	48303	1.523	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.71	83	25723	2.139	ug/L #	98
59) Bromoform	12.35	173	9097	2.025	ug/L	98
60) Isopropylbenzene	12.46	105	76208	1.657	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	18697	2.172	ug/L	96
62) 1,3,5-Trimethylbenzene	12.94	105	58442	1.594	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	54753	1.526	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	36747	1.938	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	40599	2.078	ug/L	100
67) 1,2-Dichlorobenzene	13.87	146	37761	2.153	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.48	75	4092	2.273	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.63	180	24253	1.909	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	15681	1.647	ug/L	96
71) Naphthalene	15.36	128	13689	1.400	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.55	180	15394	1.744	ug/L	98

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

