

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021320\
 Data File : VW014983.D
 Acq On : 13 Feb 2020 16:30
 Operator : SY/VA
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:29:04 PM

Quant Time: Feb 14 05:32:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 13 12:39:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	702687	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	651485	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	264118	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	350355	24.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.04%
7) Chloroethane-d5	2.89	69	262071	24.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	4.02	63	474132	18.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.72%
21) 2-Butanone-d5	7.07	46	204472	51.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.68%
24) Chloroform-d	7.65	84	548014	24.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.12%
26) 1,2-Dichloroethane-d4	8.31	65	338706m	25.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.32%
32) Benzene-d6	8.27	84	1120228	25.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.08%
36) 1,2-Dichloropropane-d6	9.27	67	383801	25.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.68%
41) Toluene-d8	10.32	98	940869	25.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	10.58	79	141379	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.60%
47) 2-Hexanone-d5	10.92	63	140612	52.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.72%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	286826	25.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.84%
66) 1,2-Dichlorobenzene-d4	13.85	152	262464	26.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	12560m	1.799	ug/L	
3) Chloromethane	2.21	50	26828	2.044	ug/L	98
5) Vinyl chloride	2.36	62	35482m	2.100	ug/L	
6) Bromomethane	2.78	94	15999	2.087	ug/L	97
8) Chloroethane	2.92	64	18169	2.010	ug/L	99
9) Trichlorofluoromethane	3.26	101	11434	1.713	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	25398	2.326	ug/L #	60
12) 1,1-Dichloroethene	4.04	96	23958	2.288	ug/L #	1
13) Acetone	4.12	43	22648	5.501	ug/L	93
14) Carbon disulfide	4.39	76	74269	1.962	ug/L	97
15) Methyl Acetate	4.68	43	14562	2.038	ug/L	99
16) Methylene chloride	4.92	84	65952	5.080	ug/L	98
17) trans-1,2-Dichloroethene	5.42	96	21534	2.038	ug/L	88
18) Methyl tert-butyl Ether	5.43	73	25351	1.944	ug/L #	91
19) 1,1-Dichloroethane	6.21	63	46966	1.990	ug/L	96
20) cis-1,2-Dichloroethene	7.17	96	21942m	2.015	ug/L	
22) 2-Butanone	7.17	43	25601	5.172	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	9406	2.129	ug/L	88
25) Chloroform	7.68	83	46318	2.202	ug/L	94
27) 1,2-Dichloroethane	8.40	62	33792	2.186	ug/L	100
29) Cyclohexane	7.95	56	34948	1.645	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	32414	2.045	ug/L	98
31) Carbon tetrachloride	8.07	117	28523	1.997	ug/L	99
33) Benzene	8.32	78	108598	2.270	ug/L	100
34) Trichloroethene	9.09	95	23872	2.084	ug/L	95
35) Methylcyclohexane	9.33	83	35138	1.778	ug/L	96
37) 1,2-Dichloropropane	9.37	63	27499	2.058	ug/L #	96
38) Bromodichloromethane	9.64	83	30389	2.020	ug/L	99
39) cis-1,3-Dichloropropene	10.07	75	35631	1.994	ug/L	94
40) 4-Methyl-2-pentanone	10.21	43	37643	3.958	ug/L	100
42) Toluene	10.38	91	97325	2.106	ug/L	96
44) trans-1,3-Dichloropropene	10.60	75	26858m	1.811	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	16754	2.067	ug/L	94
46) Tetrachloroethene	10.86	164	15548	2.090	ug/L	94
48) 2-Hexanone	10.97	43	28373	4.094	ug/L	97
49) Dibromochloromethane	11.13	129	17099	2.025	ug/L	95
50) 1,2-Dibromoethane	11.23	107	15138	2.072	ug/L	97
51) Chlorobenzene	11.65	112	55080	2.020	ug/L	97
52) Ethylbenzene	11.73	91	92604	1.839	ug/L	97
53) m,p-Xylene	11.84	106	30306	1.716	ug/L	97
54) o-Xylene	12.16	106	27432	1.654	ug/L	95
55) Styrene	12.18	104	44800	1.567	ug/L	88
57) 1,1,2,2-Tetrachloroethane	12.71	83	24621	2.271	ug/L	99
59) Bromoform	12.35	173	8554	2.118	ug/L	95
60) Isopropylbenzene	12.46	105	71047	1.718	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	17441	2.253	ug/L	97
62) 1,3,5-Trimethylbenzene	12.94	105	54340	1.648	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	50038	1.551	ug/L	97
64) 1,3-Dichlorobenzene	13.50	146	33526	1.967	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	35720	2.033	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	33456	2.121	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.48	75	3690	2.280	ug/L	97
69) 1,3,5-Trichlorobenzene	14.63	180	21314	1.866	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	13895	1.623	ug/L	97
71) Naphthalene	15.37	128	12932	1.471	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.55	180	13548	1.708	ug/L	99

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

