

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021420\
 Data File : VW014993.D
 Acq On : 14 Feb 2020 13:18
 Operator : SY/VA
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 3:46:25 PM

Quant Time: Feb 15 03:24:28 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	802047	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	749759	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	291749	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	352297	21.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.24%
7) Chloroethane-d5	2.89	69	269852	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.68%
11) 1,1-Dichloroethene-d2	4.01	63	480434	16.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.32%
21) 2-Butanone-d5	7.07	46	212472	47.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.40%
24) Chloroform-d	7.65	84	572324	22.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.88%
26) 1,2-Dichloroethane-d4	8.31	65	359296	23.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.08%
32) Benzene-d6	8.27	84	1161256	22.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.92%
36) 1,2-Dichloropropane-d6	9.27	67	400634	23.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.24%
41) Toluene-d8	10.32	98	968201	22.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.84%
43) trans-1,3-Dichloropropene-	10.57	79	147980	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.68%
47) 2-Hexanone-d5	10.92	63	144313	46.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.38%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	294868	22.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.96%
66) 1,2-Dichlorobenzene-d4	13.85	152	269247	24.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	6290m	0.789	ug/L	
3) Chloromethane	2.21	50	16525	1.103	ug/L	95
5) Vinyl chloride	2.36	62	20966m	1.087	ug/L	
6) Bromomethane	2.78	94	8945	1.022	ug/L	95
8) Chloroethane	2.92	64	10324	1.000	ug/L	90
9) Trichlorofluoromethane	3.26	101	6927	0.909	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	16586m	1.331	ug/L	
12) 1,1-Dichloroethene	4.03	96	15012	1.256	ug/L #	1
13) Acetone	4.13	43	14464	3.078	ug/L	69
14) Carbon disulfide	4.38	76	41545	0.961	ug/L	99
15) Methyl Acetate	4.68	43	8156m	1.000	ug/L	
16) Methylene chloride	4.91	84	41835	2.823	ug/L	97
17) trans-1,2-Dichloroethene	5.42	96	12055	1.000	ug/L	91
18) Methyl tert-butyl Ether	5.42	73	15011	1.008	ug/L #	88
19) 1,1-Dichloroethane	6.21	63	28025	1.040	ug/L	93
20) cis-1,2-Dichloroethene	7.17	96	12317	0.991	ug/L	87
22) 2-Butanone	7.17	43	15978m	2.828	ug/L	

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

23) Bromochloromethane	7.52	128	5286	1.048	ug/L #	79
25) Chloroform	7.68	83	27460	1.144	ug/L	89
27) 1,2-Dichloroethane	8.40	62	19251	1.091	ug/L	96
29) Cyclohexane	7.95	56	20293	0.830	ug/L	94
30) 1,1,1-Trichloroethane	7.87	97	18756	1.028	ug/L	98
31) Carbon tetrachloride	8.07	117	16555	1.007	ug/L	95
33) Benzene	8.32	78	57620	1.047	ug/L	100
34) Trichloroethene	9.09	95	13198	1.001	ug/L	96
35) Methylcyclohexane	9.33	83	19235	0.846	ug/L	90
37) 1,2-Dichloropropane	9.37	63	15820	1.029	ug/L #	91
38) Bromodichloromethane	9.64	83	17088	0.987	ug/L #	99
39) cis-1,3-Dichloropropene	10.07	75	19344	0.940	ug/L	93
40) 4-Methyl-2-pentanone	10.21	43	21847	1.996	ug/L	100
42) Toluene	10.38	91	56262	1.058	ug/L	100
44) trans-1,3-Dichloropropene	10.60	75	17158m	1.006	ug/L	
45) 1,1,2-Trichloroethane	10.78	97	9442	1.012	ug/L	94
46) Tetrachloroethene	10.87	164	8533	0.997	ug/L	92
48) 2-Hexanone	10.97	43	16021	2.009	ug/L	99
49) Dibromochloromethane	11.13	129	9009	0.927	ug/L	88
50) 1,2-Dibromoethane	11.24	107	8737	1.039	ug/L #	99
51) Chlorobenzene	11.66	112	31849	1.015	ug/L	98
52) Ethylbenzene	11.73	91	50623	0.874	ug/L	97
53) m,p-Xylene	11.83	106	17164	0.844	ug/L	92
54) o-Xylene	12.16	106	15209	0.797	ug/L	98
55) Styrene	12.18	104	23523	0.715	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.71	83	14450	1.158	ug/L #	90
59) Bromoform	12.35	173	5224	1.171	ug/L #	93
60) Isopropylbenzene	12.46	105	37554	0.822	ug/L	97
61) 1,2,3-Trichloropropane	12.77	75	10420	1.219	ug/L	95
62) 1,3,5-Trimethylbenzene	12.94	105	29073	0.798	ug/L	96
63) 1,2,4-Trimethylbenzene	13.25	105	28930	0.812	ug/L	96
64) 1,3-Dichlorobenzene	13.50	146	18859	1.002	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	20928	1.078	ug/L	92
67) 1,2-Dichlorobenzene	13.87	146	19767	1.135	ug/L	98
69) 1,3,5-Trichlorobenzene	14.63	180	12527	0.993	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	8132	0.860	ug/L	99
71) Naphthalene	15.36	128	6829	0.703	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.56	180	7927	0.904	ug/L #	88

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

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