

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013665.D
 Acq On : 23 Oct 2019 13:08
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:26:52 PM

Quant Time: Oct 23 14:10:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	327724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	466460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	204784	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	254426	99.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.94%	
35) Dibromofluoromethane	7.88	113	267364	101.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.96%	
50) Toluene-d8	10.32	98	1107132	100.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.46%	
62) 4-Bromofluorobenzene	12.62	95	368190	99.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	166606	144.843	ug/l	99
3) Chloromethane	2.21	50	178026	95.078	ug/l	96
4) Vinyl Chloride	2.37	62	274194	98.148	ug/l	97
5) Bromomethane	2.78	94	180355	106.779	ug/l	97
6) Chloroethane	2.92	64	170142	106.685	ug/l	99
7) Trichlorofluoromethane	3.26	101	173533	126.461	ug/l	97
8) Diethyl Ether	3.68	74	142651	102.873	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	274622	99.685	ug/l	99
10) Methyl Iodide	4.28	142	467025	106.352	ug/l	100
11) Tert butyl alcohol	5.21	59	70600	343.177	ug/l	97
12) 1,1-Dichloroethene	4.04	96	292967	102.423	ug/l	97
13) Acrolein	3.90	56	90277	458.873	ug/l	100
14) Allyl chloride	4.67	41	456855	103.877	ug/l	100
15) Acrylonitrile	5.37	53	290555	457.798	ug/l	98
16) Acetone	4.13	43	279958	481.140	ug/l	95
17) Carbon Disulfide	4.38	76	863748	107.201	ug/l	100
18) Methyl Acetate	4.67	43	138977	83.757	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	349434	83.562	ug/l	97
20) Methylene Chloride	4.92	84	293862	90.278	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	315588	103.516	ug/l	94
22) Diisopropyl ether	6.31	45	835276	101.621	ug/l	96
23) Vinyl Acetate	6.25	43	2486118	506.462	ug/l	100
24) 1,1-Dichloroethane	6.21	63	524209	103.652	ug/l	99
25) 2-Butanone	7.17	43	387123	453.457	ug/l	96
26) 2,2-Dichloropropane	7.16	77	279225	87.594	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	339052	104.946	ug/l	99
28) Bromochloromethane	7.51	49	196491	108.848	ug/l	98
29) Tetrahydrofuran	7.53	42	233034	447.135	ug/l	100
30) Chloroform	7.68	83	510646	104.511	ug/l	99
31) Cyclohexane	7.95	56	515957	96.795	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	406349	102.803	ug/l	99
36) 1,1-Dichloropropene	8.08	75	429531	101.245	ug/l	99
37) Ethyl Acetate	7.25	43	162015	86.347	ug/l	99
38) Carbon Tetrachloride	8.07	117	392626	104.613	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	566657	103.030	ug/l	99
40) Benzene	8.32	78	1226632	103.346	ug/l	99
41) Methacrylonitrile	7.48	41	110321	102.798	ug/l	92
42) 1,2-Dichloroethane	8.40	62	310034	103.293	ug/l	100
43) Isopropyl Acetate	8.42	43	319950	93.521	ug/l	100
44) Trichloroethene	9.09	130	352352	104.033	ug/l	98
45) 1,2-Dichloropropane	9.37	63	299963	105.178	ug/l	100
46) Dibromomethane	9.46	93	143462	101.302	ug/l	99
47) Bromodichloromethane	9.64	83	381243	107.756	ug/l	99
48) Methyl methacrylate	9.43	41	164752	97.194	ug/l	99
49) 1,4-Dioxane	9.46	88	40167	1666.568	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	793570	444.367	ug/l	100
52) Toluene	10.38	92	792623	103.627	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	394856	107.700	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	480600	107.874	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	212934	100.463	ug/l	99
56) Ethyl methacrylate	10.65	69	284717	101.011	ug/l	99
57) 1,3-Dichloropropane	10.93	76	366334	100.518	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	656751	495.521	ug/l	99
59) 2-Hexanone	10.97	43	569101	465.835	ug/l	99
60) Dibromochloromethane	11.13	129	263106	107.857	ug/l	99
61) 1,2-Dibromoethane	11.23	107	204655	101.447	ug/l	100
64) Tetrachloroethene	10.86	164	306781	101.825	ug/l	98
65) Chlorobenzene	11.66	112	823571	101.370	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	296965	104.973	ug/l	98
67) Ethyl Benzene	11.73	91	1496657	100.690	ug/l	99
68) m/p-Xylenes	11.84	106	1151796	203.698	ug/l	99
69) o-Xylene	12.16	106	539798	103.136	ug/l	97
70) Styrene	12.18	104	937991	104.440	ug/l	100
71) Bromoform	12.35	173	154802	100.595	ug/l #	98
73) Isopropylbenzene	12.46	105	1492147	101.518	ug/l	99
74) N-amyl acetate	12.27	43	289916	91.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	225834	91.230	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	141115m	83.873	ug/l	
77) Bromobenzene	12.74	156	349592	100.019	ug/l	99
78) n-propylbenzene	12.80	91	1696749	99.785	ug/l	100
79) 2-Chlorotoluene	12.89	91	957289	100.304	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1224277	99.761	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	81089	98.217	ug/l	97
82) 4-Chlorotoluene	12.99	91	994735	100.187	ug/l	98
83) tert-Butylbenzene	13.21	119	1100346	100.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1221311	100.623	ug/l	99
85) sec-Butylbenzene	13.38	105	1498102	99.871	ug/l	99
86) p-Isopropyltoluene	13.50	119	1397768	101.165	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	676342	101.789	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	655541	100.669	ug/l	99
89) n-Butylbenzene	13.82	91	1275315	102.219	ug/l	99
90) Hexachloroethane	14.09	117	248284	104.321	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	579436	99.080	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	34112	86.980	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	447057	107.612	ug/l	100
94) Hexachlorobutadiene	15.24	225	290413	105.233	ug/l	99
95) Naphthalene	15.36	128	727525	102.386	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	386616	106.366	ug/l	100

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

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