

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006950.D
 Acq On : 19 Nov 2018 18:52
 Operator : SY/AP
 Sample : VW1120SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1120SBS01

Manual Integrations
 APPROVED

sam
 11/20/2018 5:56:09 PM

Quant Time: Nov 20 05:01:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 04:45:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	127578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	201322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	193499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	96934	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	68994	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
35) Dibromofluoromethane	7.89	113	61564	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
50) Toluene-d8	10.33	98	266917	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
62) 4-Bromofluorobenzene	12.62	95	104730	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	28973	23.720	ug/l	100
3) Chloromethane	2.21	50	22884	20.812	ug/l	95
4) Vinyl Chloride	2.36	62	22228	21.325	ug/l	99
5) Bromomethane	2.78	94	11326	20.229	ug/l	97
6) Chloroethane	2.92	64	11618	20.240	ug/l	90
7) Trichlorofluoromethane	3.26	101	42873	21.134	ug/l	98
8) Diethyl Ether	3.69	74	14222	19.373	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	27458	20.959	ug/l	96
10) Methyl Iodide	4.28	142	26772	18.810	ug/l	98
11) Tert butyl alcohol	5.22	59	9154m	84.630	ug/l	
12) 1,1-Dichloroethene	4.04	96	24160	20.555	ug/l	96
13) Acrolein	3.90	56	9973	101.684	ug/l	98
14) Allyl chloride	4.68	41	39090	18.905	ug/l	97
15) Acrylonitrile	5.38	53	26961	94.362	ug/l	99
16) Acetone	4.15	43	20363	93.634	ug/l	98
17) Carbon Disulfide	4.39	76	76224	20.499	ug/l	98
18) Methyl Acetate	4.68	43	13849	17.401	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	68797	19.966	ug/l	100
20) Methylene Chloride	4.92	84	33117	20.093	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	28510	20.334	ug/l	97
22) Diisopropyl ether	6.32	45	81872	19.398	ug/l	99
23) Vinyl Acetate	6.26	43	216670	92.706	ug/l	97
24) 1,1-Dichloroethane	6.22	63	47627	19.597	ug/l	100
25) 2-Butanone	7.18	43	34428	95.322	ug/l	97
26) 2,2-Dichloropropane	7.17	77	42132	19.869	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	30375	19.485	ug/l	98
28) Bromochloromethane	7.52	49	17965	20.127	ug/l #	98
29) Tetrahydrofuran	7.54	42	22766	96.925	ug/l	99
30) Chloroform	7.68	83	51592	19.364	ug/l	99
31) Cyclohexane	7.96	56	51978	21.349	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	47934	20.898	ug/l	99
36) 1,1-Dichloropropene	8.09	75	42787	22.309	ug/l	99
37) Ethyl Acetate	7.26	43	15639	19.178	ug/l	100
38) Carbon Tetrachloride	8.07	117	41277	21.899	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	50975	21.416	ug/l	99
40) Benzene	8.33	78	112658	20.784	ug/l	99
41) Methacrylonitrile	7.49	41	10463	20.948	ug/l	98
42) 1,2-Dichloroethane	8.40	62	33811	20.836	ug/l	99
43) Isopropyl Acetate	8.43	43	28734	18.364	ug/l	98
44) Trichloroethene	9.10	130	31794	21.815	ug/l	97
45) 1,2-Dichloropropane	9.37	63	28590	20.881	ug/l	99
46) Dibromomethane	9.46	93	14724	21.235	ug/l	98
47) Bromodichloromethane	9.65	83	38178	20.910	ug/l	99
48) Methyl methacrylate	9.44	41	13358	17.692	ug/l	99
49) 1,4-Dioxane	9.47	88	3890	370.214	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	74760	96.943	ug/l	98
52) Toluene	10.39	92	75344	20.777	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	35902	20.120	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	43174	20.219	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	21550	21.078	ug/l	96
56) Ethyl methacrylate	10.65	69	22613	17.790	ug/l	96
57) 1,3-Dichloropropane	10.93	76	35585	20.457	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	65726	105.176	ug/l	98
59) 2-Hexanone	10.97	43	51556	99.891	ug/l	98
60) Dibromochloromethane	11.13	129	23894	20.494	ug/l	96
61) 1,2-Dibromoethane	11.24	107	19329	20.342	ug/l	100
64) Tetrachloroethene	10.87	164	26223	21.052	ug/l	95
65) Chlorobenzene	11.66	112	84313	20.636	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	25797	19.813	ug/l	98
67) Ethyl Benzene	11.73	91	152795	20.742	ug/l	99
68) m/p-Xylenes	11.84	106	121526	42.365	ug/l	99
69) o-Xylene	12.17	106	56876	20.891	ug/l	100
70) Styrene	12.18	104	92111	21.038	ug/l	99
71) Bromoform	12.35	173	12111	19.952	ug/l #	100
73) Isopropylbenzene	12.47	105	154189	20.085	ug/l	100
74) N-amyl acetate	12.27	43	25701	16.728	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	21584	19.114	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13474m	17.297	ug/l	
77) Bromobenzene	12.75	156	33316	20.477	ug/l	99
78) n-propylbenzene	12.81	91	186707	20.241	ug/l	100
79) 2-Chlorotoluene	12.90	91	108253	20.025	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	133740	20.232	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	6114	17.866	ug/l	98
82) 4-Chlorotoluene	12.99	91	114366	20.066	ug/l	99
83) tert-Butylbenzene	13.21	119	115720	20.615	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	136083	20.492	ug/l	99
85) sec-Butylbenzene	13.39	105	165273	20.634	ug/l	100
86) p-Isopropyltoluene	13.51	119	145248	20.749	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	69750	20.965	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	68289	20.595	ug/l	97
89) n-Butylbenzene	13.83	91	135582	20.461	ug/l	99
90) Hexachloroethane	14.10	117	21016	18.415	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	61023	20.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3653	18.694	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	39055	20.865	ug/l	98
94) Hexachlorobutadiene	15.24	225	20595	20.829	ug/l	100
95) Naphthalene	15.38	128	69828	19.361	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	32861	20.479	ug/l	98

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

