

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008998.D
 Acq On : 05 Mar 2019 15:54
 Operator : SY/VA
 Sample : K1655-12MSD
 Misc : 6.65G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-2-1.5-2.0MSD

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 3:22:12 PM

Quant Time: Mar 06 07:38:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	188211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	264952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	136535	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	88997	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	7.88	113	79806	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.32	98	337042	54.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.76%	
62) 4-Bromofluorobenzene	12.62	95	127253	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	89208	47.323	ug/l	97
3) Chloromethane	2.21	50	111465	48.576	ug/l	98
4) Vinyl Chloride	2.35	62	115852	47.685	ug/l	95
5) Bromomethane	2.76	94	86533	47.953	ug/l	98
6) Chloroethane	2.92	64	85477	49.546	ug/l	100
7) Trichlorofluoromethane	3.26	101	150779	49.070	ug/l	95
8) Diethyl Ether	3.69	74	45430	46.700	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	89258	47.835	ug/l	99
10) Methyl Iodide	4.27	142	92257	39.539	ug/l	97
11) Tert butyl alcohol	5.17	59	36936	235.030	ug/l	98
12) 1,1-Dichloroethene	4.03	96	78806	47.822	ug/l	99
13) Acrolein	3.89	56	21464	139.021	ug/l	99
14) Allyl chloride	4.67	41	137803	48.452	ug/l	98
15) Acrylonitrile	5.37	53	108645	260.231	ug/l	99
16) Acetone	4.12	43	116305	284.246	ug/l	99
17) Carbon Disulfide	4.38	76	237695	43.474	ug/l	98
18) Methyl Acetate	4.68	43	64826	66.796	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	220018	49.327	ug/l	98
20) Methylene Chloride	4.92	84	108497	54.264	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	90238	47.339	ug/l	96
22) Diisopropyl ether	6.32	45	288696	50.884	ug/l	94
23) Vinyl Acetate	6.26	43	782431	223.204	ug/l	100
24) 1,1-Dichloroethane	6.21	63	161858	49.231	ug/l	99
25) 2-Butanone	7.17	43	150778	263.576	ug/l	98
26) 2,2-Dichloropropane	7.17	77	142602	47.776	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	98216	48.167	ug/l	98
28) Bromochloromethane	7.51	49	62916	45.731	ug/l #	99
29) Tetrahydrofuran	7.53	42	99174	272.046	ug/l	99
30) Chloroform	7.68	83	162251	48.106	ug/l	99
31) Cyclohexane	7.95	56	158759	47.705	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	155760	50.782	ug/l	98
36) 1,1-Dichloropropene	8.09	75	136036	52.745	ug/l	99
37) Ethyl Acetate	7.25	43	63688	53.102	ug/l	100
38) Carbon Tetrachloride	8.07	117	139020	51.111	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	161059	50.065	ug/l	97
40) Benzene	8.32	78	366457	52.040	ug/l	100
41) Methacrylonitrile	7.49	41	36157	51.287	ug/l	95
42) 1,2-Dichloroethane	8.40	62	114429	51.297	ug/l	99
43) Isopropyl Acetate	8.43	43	128245	53.576	ug/l	97
44) Trichloroethene	9.09	130	100775	50.800	ug/l	97
45) 1,2-Dichloropropane	9.37	63	89573	51.474	ug/l	93
46) Dibromomethane	9.46	93	48993	50.616	ug/l	99
47) Bromodichloromethane	9.65	83	122980	52.221	ug/l	96
48) Methyl methacrylate	9.44	41	62200	54.255	ug/l	98
49) 1,4-Dioxane	9.45	88	17062	1100.734	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	355344	292.399	ug/l	100
52) Toluene	10.39	92	263467	55.129	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	121307	50.537	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	140142	51.190	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	69491	52.939	ug/l	93
56) Ethyl methacrylate	10.65	69	91913	53.894	ug/l	93
57) 1,3-Dichloropropane	10.93	76	123846	53.436	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	222399	259.285	ug/l	99
59) 2-Hexanone	10.97	43	249842	288.807	ug/l	100
60) Dibromochloromethane	11.13	129	83504	52.154	ug/l	99
61) 1,2-Dibromoethane	11.23	107	67392	51.866	ug/l	100
64) Tetrachloroethene	10.87	164	96918	53.281	ug/l	97
65) Chlorobenzene	11.66	112	280033	52.409	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	92891	51.415	ug/l	98
67) Ethyl Benzene	11.73	91	513635	53.773	ug/l	100
68) m/p-Xylenes	11.84	106	393612	103.135	ug/l	99
69) o-Xylene	12.16	106	188267	52.556	ug/l	99
70) Styrene	12.18	104	305005	52.923	ug/l	99
71) Bromoform	12.35	173	51060	52.577	ug/l #	99
73) Isopropylbenzene	12.46	105	513223	54.831	ug/l	99
74) N-amyl acetate	12.27	43	134578	57.080	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	86386	56.484	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63390m	56.233	ug/l	
77) Bromobenzene	12.75	156	122201	55.248	ug/l	99
78) n-propylbenzene	12.80	91	628161	54.864	ug/l	100
79) 2-Chlorotoluene	12.90	91	351350	54.049	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	425621	52.326	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	26352	56.830	ug/l	98
82) 4-Chlorotoluene	12.99	91	365361	53.335	ug/l	100
83) tert-Butylbenzene	13.21	119	372298	52.934	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	425303	50.511	ug/l	100
85) sec-Butylbenzene	13.38	105	542141	53.608	ug/l	99
86) p-Isopropyltoluene	13.50	119	488245	52.664	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	240463	52.399	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	241548	53.405	ug/l	100
89) n-Butylbenzene	13.83	91	443874	51.105	ug/l	99
90) Hexachloroethane	14.10	117	84785	55.864	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	218349	53.399	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16937	61.220	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	147639	50.112	ug/l	99
94) Hexachlorobutadiene	15.24	225	91288	52.603	ug/l	98
95) Naphthalene	15.37	128	265463	52.921	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	128615	50.490	ug/l	98

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

