

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021219\
 Data File : VW008622.D
 Acq On : 12 Feb 2019 14:58
 Operator : SY/VA
 Sample : K1457-05MS
 Misc : 4.53G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 K1457-11MS

Quant Time: Feb 13 00:58:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	194172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	177279	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	170660	82.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	165.58%	
35) Dibromofluoromethane	7.88	113	142985	65.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	131.78%	
50) Toluene-d8	10.32	98	312713	35.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	71.88%	
62) 4-Bromofluorobenzene	12.62	95	201353	60.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	62837	51.705	ug/l	96
3) Chloromethane	2.21	50	129357	75.528	ug/l	97
4) Vinyl Chloride	2.36	62	162152	74.374	ug/l	99
5) Bromomethane	2.77	94	147599	104.959	ug/l	95
6) Chloroethane	2.92	64	142430	106.819	ug/l	98
7) Trichlorofluoromethane	3.25	101	96350	50.732	ug/l	92
8) Diethyl Ether	3.67	74	106965	102.225	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	77842	41.019	ug/l	95
10) Methyl Iodide	4.26	142	232690	77.628	ug/l	100
11) Tert butyl alcohol	5.18	59	108946	656.471	ug/l	99
12) 1,1-Dichloroethene	4.02	96	124110	64.623	ug/l	95
13) Acrolein	3.89	56	9964	71.096	ug/l	89
14) Allyl chloride	4.65	41	261880	71.809	ug/l	99
15) Acrylonitrile	5.37	53	278103	615.502	ug/l	99
16) Acetone	4.12	43	287057	620.138	ug/l	98
17) Carbon Disulfide	4.37	76	280293	45.696	ug/l	96
18) Methyl Acetate	4.67	43	484136	392.131	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	330214	103.920	ug/l	92
20) Methylene Chloride	4.91	84	184526	86.490	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	144031	66.707	ug/l	97
22) Diisopropyl ether	6.31	45	521560	75.460	ug/l	99
23) Vinyl Acetate	6.25	43	193456	47.402	ug/l	99
24) 1,1-Dichloroethane	6.21	63	296035	75.667	ug/l	100
25) 2-Butanone	7.17	43	413068	642.459	ug/l	99
26) 2,2-Dichloropropane	7.16	77	158211	59.827	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	177748	75.537	ug/l	96
28) Bromochloromethane	7.51	49	141176	78.565	ug/l	97
29) Tetrahydrofuran	7.52	42	259240	636.271	ug/l	97
30) Chloroform	7.67	83	292830	76.097	ug/l	99
31) Cyclohexane	7.95	56	103862	25.674	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	176241	53.025	ug/l	99
36) 1,1-Dichloropropene	8.07	75	139909	39.911	ug/l	98
37) Ethyl Acetate	7.25	43	111479	71.879	ug/l	99
38) Carbon Tetrachloride	8.06	117	137834	39.073	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	102340	22.223	ug/l	97
40) Benzene	8.32	78	538972	55.408	ug/l	99
41) Methacrylonitrile	7.48	41	101148	110.143	ug/l	96
42) 1,2-Dichloroethane	8.40	62	227151	80.580	ug/l	100
43) Isopropyl Acetate	8.42	43	223471	69.355	ug/l	97
44) Trichloroethene	9.09	130	114482	43.279	ug/l	97
45) 1,2-Dichloropropane	9.37	63	143876	59.320	ug/l	98
46) Dibromomethane	9.46	93	92616	74.243	ug/l	96
47) Bromodichloromethane	9.64	83	194679	59.001	ug/l	98
48) Methyl methacrylate	9.43	41	167323	106.203	ug/l	95
49) 1,4-Dioxane	9.45	88	47543	2254.700	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	837324	526.013	ug/l	100
52) Toluene	10.38	92	232946	36.278	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	196787	56.048	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	218218	54.767	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	190053	109.837	ug/l	97
56) Ethyl methacrylate	10.65	69	286439	118.141	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	201851	65.116	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	456090	387.167	ug/l	98
59) 2-Hexanone	10.97	43	608481	541.466	ug/l	94
60) Dibromochloromethane	11.13	129	116386	52.341	ug/l	99
61) 1,2-Dibromoethane	11.23	107	109046	63.558	ug/l #	69
64) Tetrachloroethene	10.86	164	65926	50.147	ug/l	96
65) Chlorobenzene	11.66	112	213353	53.826	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	88194	62.189	ug/l	99
67) Ethyl Benzene	11.73	91	255016	35.001	ug/l	99
68) m/p-Xylenes	11.84	106	216615	76.625	ug/l	99
69) o-Xylene	12.16	106	118930	44.277	ug/l	98
70) Styrene	12.18	104	181235	40.849	ug/l	94
71) Bromoform	12.35	173	63708	79.844	ug/l #	99
73) Isopropylbenzene	12.46	105	210507	15.928	ug/l	98
74) N-amyl acetate	12.23	43	246150	72.295	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	12.71	83	302682	144.656	ug/l #	80
76) 1,2,3-Trichloropropane	12.77	75	102714m	66.640	ug/l	
77) Bromobenzene	12.75	156	77124	26.720	ug/l #	16
78) n-propylbenzene	12.80	91	235181	14.816	ug/l	93
79) 2-Chlorotoluene	12.90	91	235228	26.260	ug/l	91
80) 1,3,5-Trimethylbenzene	12.94	105	849219	76.875	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	46832	60.012	ug/l #	64
82) 4-Chlorotoluene	12.99	91	219741	23.041	ug/l	72
83) tert-Butylbenzene	13.21	119	182544	18.569	ug/l	83
84) 1,2,4-Trimethylbenzene	13.26	105	173702	15.470	ug/l	99
85) sec-Butylbenzene	13.38	105	180826	12.880	ug/l	98
86) p-Isopropyltoluene	13.50	119	146895	11.945	ug/l #	75
87) 1,3-Dichlorobenzene	13.50	146	120269	20.632	ug/l #	1
88) 1,4-Dichlorobenzene	13.58	146	119548	20.636	ug/l #	1
89) n-Butylbenzene	13.83	91	200684m	16.621	ug/l	
90) Hexachloroethane	14.10	117	76040	31.619	ug/l #	47
91) 1,2-Dichlorobenzene	13.87	146	113207	21.948	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.49	75	32822	82.672	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	45612	12.392	ug/l #	16
94) Hexachlorobutadiene	15.24	225	16670	7.515	ug/l	98
95) Naphthalene	15.37	128	88455	13.687	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.57	180	36599	11.722	ug/l #	73

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

