

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\
 Data File : VW008121.D
 Acq On : 10 Jan 2019 00:59
 Operator : SY/AP
 Sample : VW0109SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS02

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 5:06:19 PM

Quant Time: Jan 10 06:17:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	69891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	125246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42793	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
35) Dibromofluoromethane	7.88	113	39848	54.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.10%	
50) Toluene-d8	10.32	98	162979	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
62) 4-Bromofluorobenzene	12.62	95	56987	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	9828	17.230	ug/l	98
3) Chloromethane	2.21	50	15060	20.351	ug/l	97
4) Vinyl Chloride	2.36	62	19019	19.692	ug/l	91
5) Bromomethane	2.78	94	16777	23.188	ug/l	98
6) Chloroethane	2.92	64	13522	18.606	ug/l	100
7) Trichlorofluoromethane	3.25	101	13390	17.053	ug/l	97
8) Diethyl Ether	3.68	74	9987	22.499	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	15048	19.303	ug/l	96
10) Methyl Iodide	4.26	142	23290	20.498	ug/l	99
11) Tert butyl alcohol	5.20	59	5912	107.329	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	15211	19.874	ug/l	93
13) Acrolein	3.89	56	4470	84.484	ug/l	96
14) Allyl chloride	4.67	41	29057	20.910	ug/l	99
15) Acrylonitrile	5.37	53	20776	122.938	ug/l	100
16) Acetone	4.13	43	15544	97.158	ug/l	100
17) Carbon Disulfide	4.38	76	46943	19.633	ug/l	97
18) Methyl Acetate	4.67	43	11828	23.824	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	27139	21.811	ug/l #	87
20) Methylene Chloride	4.91	84	28640	35.652	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	17527	21.072	ug/l	92
22) Diisopropyl ether	6.32	45	58210	21.964	ug/l	98
23) Vinyl Acetate	6.26	43	159370	114.497	ug/l	99
24) 1,1-Dichloroethane	6.21	63	33115	21.445	ug/l	97
25) 2-Butanone	7.17	43	24231	110.869	ug/l	93
26) 2,2-Dichloropropane	7.17	77	19940	19.058	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	19176	21.131	ug/l	98
28) Bromochloromethane	7.51	49	13825	22.635	ug/l	99
29) Tetrahydrofuran	7.53	42	17124	117.294	ug/l	98
30) Chloroform	7.67	83	32520	22.125	ug/l	95
31) Cyclohexane	7.95	56	30823	18.646	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	25821	20.189	ug/l	98
36) 1,1-Dichloropropene	8.08	75	25714	19.931	ug/l	98
37) Ethyl Acetate	7.26	43	12699	24.569	ug/l	99
38) Carbon Tetrachloride	8.07	117	23853	20.200	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	29919	18.289	ug/l	94
40) Benzene	8.32	78	75011	21.436	ug/l	99
41) Methacrylonitrile	7.49	41	7043	21.571	ug/l	99
42) 1,2-Dichloroethane	8.40	62	21563	21.909	ug/l	98
43) Isopropyl Acetate	8.42	43	23964	23.189	ug/l	99
44) Trichloroethene	9.09	130	18576	20.737	ug/l	96
45) 1,2-Dichloropropane	9.37	63	19363	22.316	ug/l	97
46) Dibromomethane	9.46	93	9662	22.674	ug/l	98
47) Bromodichloromethane	9.64	83	23566	21.780	ug/l	95
48) Methyl methacrylate	9.44	41	11402	23.382	ug/l	98
49) 1,4-Dioxane	9.46	88	2954	431.067	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	58165	116.274	ug/l	97
52) Toluene	10.39	92	47023	21.041	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	23127	20.549	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	27466	20.580	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	13763	23.005	ug/l	96
56) Ethyl methacrylate	10.65	69	16435	22.182	ug/l	96
57) 1,3-Dichloropropane	10.93	76	23858	21.805	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	45389	118.598	ug/l	99
59) 2-Hexanone	10.97	43	38022	112.396	ug/l	98
60) Dibromochloromethane	11.13	129	14904	22.686	ug/l	100
61) 1,2-Dibromoethane	11.24	107	12825	22.592	ug/l	100
64) Tetrachloroethene	10.86	164	14912	19.920	ug/l	95
65) Chlorobenzene	11.66	112	50469	20.710	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	15927	20.094	ug/l	95
67) Ethyl Benzene	11.73	91	88842	19.924	ug/l	96
68) m/p-Xylenes	11.84	106	68697	40.364	ug/l	98
69) o-Xylene	12.17	106	31578	20.036	ug/l	98
70) Styrene	12.18	104	51964	21.050	ug/l	99
71) Bromoform	12.35	173	7783	21.940	ug/l #	92
73) Isopropylbenzene	12.47	105	85225	19.258	ug/l	100
74) N-amyl acetate	12.27	43	20939	21.366	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	15744	22.227	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13577m	26.422	ug/l	
77) Bromobenzene	12.75	156	19444	20.794	ug/l	94
78) n-propylbenzene	12.80	91	106021	19.553	ug/l	100
79) 2-Chlorotoluene	12.90	91	59091	19.533	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	71930	19.780	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	4557	20.652	ug/l	95
82) 4-Chlorotoluene	12.99	91	60610	19.023	ug/l	96
83) tert-Butylbenzene	13.21	119	63873	19.853	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	73725	19.657	ug/l	99
85) sec-Butylbenzene	13.39	105	92784	19.688	ug/l	99
86) p-Isopropyltoluene	13.51	119	79401	19.511	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	39491	20.820	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	39286	20.643	ug/l	100
89) n-Butylbenzene	13.83	91	76172	19.111	ug/l	99
90) Hexachloroethane	14.10	117	13920	20.251	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	35050	21.026	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2593	22.747	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21370	19.309	ug/l	99
94) Hexachlorobutadiene	15.24	225	11848	20.001	ug/l	97
95) Naphthalene	15.37	128	42515	20.573	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	19596	20.770	ug/l	98

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

