

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
 Data File : VW011221.D
 Acq On : 11 Jul 2019 11:35
 Operator : SY/VA
 Sample : VW0712SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 2:05:55 PM

Quant Time: Jul 12 08:51:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	370737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	324256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127257	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
35) Dibromofluoromethane	7.88	113	102007	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
50) Toluene-d8	10.32	98	423776	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.62	95	152812	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32827	19.254	ug/l	98
3) Chloromethane	2.21	50	41763	19.010	ug/l	98
4) Vinyl Chloride	2.35	62	54504	18.955	ug/l	97
5) Bromomethane	2.77	94	26998	18.685	ug/l	92
6) Chloroethane	2.91	64	28327	18.290	ug/l	96
7) Trichlorofluoromethane	3.24	101	17434	17.067	ug/l	96
8) Diethyl Ether	3.68	74	24268	17.170	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46555	19.027	ug/l	98
10) Methyl Iodide	4.27	142	58997	17.531	ug/l	99
11) Tert butyl alcohol	5.17	59	16371	76.979	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	46665	18.375	ug/l	95
13) Acrolein	3.89	56	12375	73.075	ug/l	100
14) Allyl chloride	4.66	41	85773	18.522	ug/l	99
15) Acrylonitrile	5.36	53	60503	84.052	ug/l	99
16) Acetone	4.12	43	60421	87.421	ug/l	99
17) Carbon Disulfide	4.38	76	129960	16.880	ug/l	99
18) Methyl Acetate	4.67	43	39412	19.182	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	66955	17.376	ug/l	97
20) Methylene Chloride	4.91	84	51730	18.973	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	47712	18.081	ug/l	97
22) Diisopropyl ether	6.31	45	181998	18.272	ug/l	99
23) Vinyl Acetate	6.25	43	504917	81.912	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95058	18.174	ug/l	99
25) 2-Butanone	7.17	43	87595	80.739	ug/l	97
26) 2,2-Dichloropropane	7.17	77	49397	18.169	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	51628	18.137	ug/l	98
28) Bromochloromethane	7.51	49	43968	18.488	ug/l	99
29) Tetrahydrofuran	7.52	42	57144	80.327	ug/l	100
30) Chloroform	7.67	83	86688	17.897	ug/l	99
31) Cyclohexane	7.95	56	100979	18.148	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	66219	17.972	ug/l	99
36) 1,1-Dichloropropene	8.07	75	74002	18.744	ug/l	99
37) Ethyl Acetate	7.25	43	39221	16.535	ug/l	99
38) Carbon Tetrachloride	8.06	117	60383	18.042	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	88886	18.575	ug/l	99
40) Benzene	8.32	78	202363	18.547	ug/l	99
41) Methacrylonitrile	7.48	41	25067	18.477	ug/l	93
42) 1,2-Dichloroethane	8.40	62	63743	18.010	ug/l	100
43) Isopropyl Acetate	8.42	43	73574	16.429	ug/l	98
44) Trichloroethene	9.09	130	48635	18.524	ug/l	98
45) 1,2-Dichloropropane	9.37	63	53317	18.045	ug/l	97
46) Dibromomethane	9.46	93	24025	17.310	ug/l	99
47) Bromodichloromethane	9.64	83	62678	17.650	ug/l	98
48) Methyl methacrylate	9.43	41	35376	16.419	ug/l	97
49) 1,4-Dioxane	9.45	88	8196	353.782	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	191860	82.012	ug/l	99
52) Toluene	10.38	92	122669	18.534	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	63778	16.872	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	77626	17.447	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35307	17.932	ug/l	97
56) Ethyl methacrylate	10.65	69	50296	16.778	ug/l	99
57) 1,3-Dichloropropane	10.93	76	65593	17.617	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	132768	95.534	ug/l	99
59) 2-Hexanone	10.97	43	131918	81.311	ug/l	100
60) Dibromochloromethane	11.13	129	36814	17.050	ug/l	99
61) 1,2-Dibromoethane	11.23	107	31901	17.104	ug/l	98
64) Tetrachloroethene	10.86	164	41094	18.781	ug/l	97
65) Chlorobenzene	11.66	112	123887	18.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	41888	18.046	ug/l	99
67) Ethyl Benzene	11.73	91	237178	18.793	ug/l	98
68) m/p-Xylenes	11.84	106	171875	37.638	ug/l	99
69) o-Xylene	12.16	106	79946	18.574	ug/l	99
70) Styrene	12.18	104	138814	18.688	ug/l	99
71) Bromoform	12.35	173	19318	15.653	ug/l #	99
73) Isopropylbenzene	12.46	105	225705	18.918	ug/l	100
74) N-amyl acetate	12.27	43	70596	16.990	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41387	16.923	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	28364m	15.379	ug/l	
77) Bromobenzene	12.75	156	48768	18.214	ug/l	98
78) n-propylbenzene	12.80	91	279469	19.016	ug/l	100
79) 2-Chlorotoluene	12.89	91	157711	18.648	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	190494	18.794	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11819	14.494	ug/l	92
82) 4-Chlorotoluene	12.99	91	165860	18.829	ug/l	100
83) tert-Butylbenzene	13.21	119	161795	19.140	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	192199	18.885	ug/l	99
85) sec-Butylbenzene	13.38	105	233459	19.140	ug/l	100
86) p-Isopropyltoluene	13.50	119	207933	19.007	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	98680	19.156	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	96794	18.660	ug/l	97
89) n-Butylbenzene	13.82	91	211334	19.364	ug/l	100
90) Hexachloroethane	14.10	117	35283	17.649	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	86105	18.424	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6672	15.381	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62543	19.430	ug/l	98
94) Hexachlorobutadiene	15.24	225	38774	19.620	ug/l	98
95) Naphthalene	15.37	128	107118	17.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	54517	19.190	ug/l	99

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

