

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010503.D
 Acq On : 22 May 2019 11:57
 Operator : SY/VA
 Sample : VW0522SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 11:42:20 AM

Quant Time: May 23 07:12:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	149172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	260355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	227435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107540	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	72350	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
35) Dibromofluoromethane	7.88	113	77043	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	10.32	98	296723	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.62	95	113474	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	21805	16.219	ug/l 97
3) Chloromethane	2.21	50	26074	16.636	ug/l 98
4) Vinyl Chloride	2.35	62	28966	15.955	ug/l 95
5) Bromomethane	2.76	94	20765	16.626	ug/l 98
6) Chloroethane	2.91	64	19817	17.004	ug/l 98
7) Trichlorofluoromethane	3.25	101	51657	19.273	ug/l 100
8) Diethyl Ether	3.68	74	15375	18.096	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31782	19.255	ug/l 100
10) Methyl Iodide	4.27	142	32134	17.032	ug/l 98
11) Tert butyl alcohol	5.17	59	9937	71.750	ug/l 98
12) 1,1-Dichloroethene	4.03	96	30368	19.273	ug/l 98
13) Acrolein	3.89	56	8765	94.757	ug/l 96
14) Allyl chloride	4.67	41	42916	18.817	ug/l 99
15) Acrylonitrile	5.37	53	29664	83.367	ug/l 99
16) Acetone	4.13	43	24546	78.100	ug/l 91
17) Carbon Disulfide	4.38	76	83475	17.762	ug/l 99
18) Methyl Acetate	4.67	43	13404	17.438	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	74176	18.466	ug/l 94
20) Methylene Chloride	4.92	84	31369	13.287	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	34846	19.281	ug/l 96
22) Diisopropyl ether	6.31	45	87469	18.704	ug/l 99
23) Vinyl Acetate	6.26	43	249751	89.403	ug/l 99
24) 1,1-Dichloroethane	6.21	63	53753	19.261	ug/l 97
25) 2-Butanone	7.17	43	37489	83.350	ug/l 99
26) 2,2-Dichloropropane	7.16	77	53017	19.943	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	38857	19.776	ug/l 98
28) Bromochloromethane	7.51	49	21229	21.246	ug/l 98
29) Tetrahydrofuran	7.52	42	24713	81.198	ug/l 99
30) Chloroform	7.68	83	59447	19.748	ug/l 100
31) Cyclohexane	7.96	56	54067	18.495	ug/l 96
32) 1,1,1-Trichloroethane	7.87	97	56527	19.647	ug/l 99
36) 1,1-Dichloropropene	8.09	75	47178	19.452	ug/l 100
37) Ethyl Acetate	7.26	43	17125	16.604	ug/l 98
38) Carbon Tetrachloride	8.07	117	50912	19.459	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	63537	19.554	ug/l	96
40) Benzene	8.32	78	132089	19.595	ug/l	100
41) Methacrylonitrile	7.49	41	10883	17.759	ug/l	96
42) 1,2-Dichloroethane	8.40	62	36877	19.140	ug/l	100
43) Isopropyl Acetate	8.43	43	34263	16.629	ug/l	98
44) Trichloroethene	9.09	130	39742	19.858	ug/l	97
45) 1,2-Dichloropropane	9.37	63	30654	19.147	ug/l	100
46) Dibromomethane	9.46	93	17683	18.886	ug/l	99
47) Bromodichloromethane	9.65	83	45297	19.252	ug/l	98
48) Methyl methacrylate	9.44	41	15495	16.438	ug/l	97
49) 1,4-Dioxane	9.45	88	4356	284.800	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	84423	80.859	ug/l	100
52) Toluene	10.39	92	90187	19.921	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	43433	18.227	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	51966	19.095	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	25521	18.955	ug/l	97
56) Ethyl methacrylate	10.65	69	32135	17.306	ug/l	98
57) 1,3-Dichloropropane	10.93	76	41509	18.405	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	75290	91.540	ug/l	97
59) 2-Hexanone	10.97	43	59989	80.545	ug/l	98
60) Dibromochloromethane	11.13	129	31647	18.572	ug/l	100
61) 1,2-Dibromoethane	11.24	107	25337	18.577	ug/l	99
64) Tetrachloroethene	10.87	164	31773	20.041	ug/l	95
65) Chlorobenzene	11.66	112	96497	19.908	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	34636	19.947	ug/l	100
67) Ethyl Benzene	11.73	91	170586	19.933	ug/l	99
68) m/p-Xylenes	11.84	106	133093	39.650	ug/l	99
69) o-Xylene	12.17	106	63647	20.013	ug/l	99
70) Styrene	12.18	104	105974	19.639	ug/l	99
71) Bromoform	12.35	173	16613	17.374	ug/l #	99
73) Isopropylbenzene	12.47	105	173026	20.276	ug/l	99
74) N-amyl acetate	12.27	43	31325	16.019	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	27466	17.695	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	19933m	18.260	ug/l	
77) Bromobenzene	12.75	156	38046	19.923	ug/l	99
78) n-propylbenzene	12.80	91	198809	19.991	ug/l	100
79) 2-Chlorotoluene	12.90	91	116269	20.160	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	146639	20.289	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	8446	16.148	ug/l	95
82) 4-Chlorotoluene	12.99	91	120235	20.085	ug/l	100
83) tert-Butylbenzene	13.21	119	129537	20.518	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	143296	19.907	ug/l	100
85) sec-Butylbenzene	13.38	105	175081	19.817	ug/l	100
86) p-Isopropyltoluene	13.50	119	160285	20.044	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	74340	19.842	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	74534	19.828	ug/l	97
89) n-Butylbenzene	13.83	91	148259	19.491	ug/l	99
90) Hexachloroethane	14.10	117	30410	19.647	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	66675	19.531	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4845	16.787	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	43096	18.554	ug/l	100
94) Hexachlorobutadiene	15.24	225	23188	18.687	ug/l	98
95) Naphthalene	15.37	128	81461	16.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	36324	18.175	ug/l	99

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

