

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051219\
 Data File : VW010400.D
 Acq On : 12 May 2019 11:14
 Operator : SY/VA
 Sample : VW0512SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:27:10 PM

Quant Time: May 13 05:42:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1276135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2052838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1839022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	936365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	640137	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
35) Dibromofluoromethane	7.88	113	570842	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
50) Toluene-d8	10.32	98	2283414	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
62) 4-Bromofluorobenzene	12.62	95	826130	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	194450	20.111	ug/l	99
3) Chloromethane	2.21	50	256693	19.650	ug/l	96
4) Vinyl Chloride	2.37	62	341907	21.060	ug/l	98
5) Bromomethane	2.76	94	190808	20.381	ug/l	98
6) Chloroethane	2.92	64	198523	21.145	ug/l	96
7) Trichlorofluoromethane	3.24	101	149515	18.397	ug/l	96
8) Diethyl Ether	3.67	74	157309	22.018	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	291221	21.868	ug/l	96
10) Methyl Iodide	4.26	142	401333	21.281	ug/l	95
11) Tert butyl alcohol	5.19	59	73151	76.348	ug/l	99
12) 1,1-Dichloroethene	4.03	96	299714	21.538	ug/l	94
13) Acrolein	3.89	56	97291	76.912	ug/l	96
14) Allyl chloride	4.65	41	461942	22.239	ug/l	92
15) Acrylonitrile	5.37	53	343545	86.752	ug/l	99
16) Acetone	4.12	43	303528	85.819	ug/l	97
17) Carbon Disulfide	4.37	76	850730	20.214	ug/l	98
18) Methyl Acetate	4.67	43	155880	17.794	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	350940	21.185	ug/l	96
20) Methylene Chloride	4.91	84	316500	21.455	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	327628	21.873	ug/l	99
22) Diisopropyl ether	6.31	45	975408	24.196	ug/l	95
23) Vinyl Acetate	6.25	43	2891013	104.441	ug/l	97
24) 1,1-Dichloroethane	6.21	63	611981	22.548	ug/l	99
25) 2-Butanone	7.17	43	452430	83.618	ug/l	98
26) 2,2-Dichloropropane	7.16	77	301855	22.353	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	343388	22.292	ug/l	98
28) Bromochloromethane	7.51	49	268036	26.786	ug/l	99
29) Tetrahydrofuran	7.53	42	290102	82.895	ug/l	95
30) Chloroform	7.67	83	586016	23.071	ug/l	97
31) Cyclohexane	7.95	56	596301	21.457	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	442684	22.500	ug/l	99
36) 1,1-Dichloropropene	8.08	75	489291	21.982	ug/l	99
37) Ethyl Acetate	7.25	43	206345	17.411	ug/l	97
38) Carbon Tetrachloride	8.06	117	416413	21.824	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	580366	21.314	ug/l	97
40) Benzene	8.32	78	1361817	22.340	ug/l	99
41) Methacrylonitrile	7.48	41	114647	17.250	ug/l	94
42) 1,2-Dichloroethane	8.40	62	393149	22.532	ug/l	97
43) Isopropyl Acetate	8.43	43	365690	18.606	ug/l	97
44) Trichloroethene	9.09	130	332286	21.774	ug/l	99
45) 1,2-Dichloropropane	9.37	63	345863	22.826	ug/l	96
46) Dibromomethane	9.46	93	167862	21.444	ug/l	100
47) Bromodichloromethane	9.64	83	426326	22.705	ug/l	99
48) Methyl methacrylate	9.44	41	171557	18.460	ug/l	87
49) 1,4-Dioxane	9.45	88	44791	328.114	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1011213	89.724	ug/l	96
52) Toluene	10.39	92	841795	22.593	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	410502	21.583	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	504149	22.382	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	234382	21.081	ug/l	94
56) Ethyl methacrylate	10.65	69	291285	19.840	ug/l	90
57) 1,3-Dichloropropane	10.93	76	436050	21.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	769650	109.489	ug/l	99
59) 2-Hexanone	10.97	43	700401	87.897	ug/l	94
60) Dibromochloromethane	11.13	129	257240	21.502	ug/l	98
61) 1,2-Dibromoethane	11.24	107	220279	20.639	ug/l	99
64) Tetrachloroethene	10.86	164	280408	21.816	ug/l	95
65) Chlorobenzene	11.66	112	863495	22.683	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	290004	22.539	ug/l	97
67) Ethyl Benzene	11.73	91	1600578	22.855	ug/l	99
68) m/p-Xylenes	11.84	106	1207573	46.410	ug/l	100
69) o-Xylene	12.17	106	535438	22.748	ug/l	100
70) Styrene	12.18	104	960276	23.414	ug/l	98
71) Bromoform	12.35	173	144806	19.688	ug/l #	99
73) Isopropylbenzene	12.46	105	1532549	22.454	ug/l	100
74) N-amyl acetate	12.27	43	340633	19.318	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	281347	18.709	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	204243m	18.708	ug/l	
77) Bromobenzene	12.75	156	339387	22.023	ug/l	99
78) n-propylbenzene	12.80	91	1927298	22.863	ug/l	99
79) 2-Chlorotoluene	12.90	91	1084879	22.599	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1329781	23.111	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	83937	17.363	ug/l	96
82) 4-Chlorotoluene	12.99	91	1153356	22.930	ug/l	99
83) tert-Butylbenzene	13.21	119	1109709	23.122	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	1337692	23.395	ug/l	99
85) sec-Butylbenzene	13.39	105	1594831	22.510	ug/l	100
86) p-Isopropyltoluene	13.50	119	1443967	22.955	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	694664	22.574	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	688203	22.535	ug/l	99
89) n-Butylbenzene	13.83	91	1425865	22.606	ug/l	98
90) Hexachloroethane	14.10	117	248478	21.297	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	611415	22.445	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	44005	16.250	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	423999	22.806	ug/l	100
94) Hexachlorobutadiene	15.24	225	269385	22.602	ug/l	98
95) Naphthalene	15.38	128	708768	19.082	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	380243	22.640	ug/l	99

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

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