

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030219\
 Data File : VW008940.D
 Acq On : 02 Mar 2019 01:03
 Operator : SY/VA
 Sample : VW0302SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS02

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 4:05:22 AM

Quant Time: Mar 02 05:24:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	244425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371845	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	194288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137198	59.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.70%	
35) Dibromofluoromethane	7.88	113	121765	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
50) Toluene-d8	10.32	98	451558	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.62	95	174678	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	43874	17.922	ug/l	99
3) Chloromethane	2.21	50	61194	20.535	ug/l	98
4) Vinyl Chloride	2.35	62	58692	18.602	ug/l	97
5) Bromomethane	2.75	94	53902	23.000	ug/l	97
6) Chloroethane	2.90	64	46463	20.738	ug/l	95
7) Trichlorofluoromethane	3.25	101	80556	20.187	ug/l	98
8) Diethyl Ether	3.68	74	28275	22.381	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50243	20.734	ug/l	99
10) Methyl Iodide	4.26	142	51915	17.132	ug/l	99
11) Tert butyl alcohol	5.18	59	20219	99.068	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	42976	20.081	ug/l	91
13) Acrolein	3.90	56	14261	80.785	ug/l	94
14) Allyl chloride	4.67	41	77820	21.069	ug/l	98
15) Acrylonitrile	5.37	53	62860	115.937	ug/l	97
16) Acetone	4.12	43	51124	96.210	ug/l	93
17) Carbon Disulfide	4.37	76	130854	18.429	ug/l	98
18) Methyl Acetate	4.67	43	29160	23.136	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	136568	23.576	ug/l	96
20) Methylene Chloride	4.92	84	64378	21.702	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	53496	21.610	ug/l	99
22) Diisopropyl ether	6.31	45	174551	23.690	ug/l	92
23) Vinyl Acetate	6.26	43	523073	114.900	ug/l	100
24) 1,1-Dichloroethane	6.21	63	98246	23.010	ug/l	98
25) 2-Butanone	7.17	43	80014	107.704	ug/l	96
26) 2,2-Dichloropropane	7.17	77	71558	18.460	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	60470	22.835	ug/l	95
28) Bromochloromethane	7.51	49	41287	23.108	ug/l	99
29) Tetrahydrofuran	7.53	42	53623	113.265	ug/l	100
30) Chloroform	7.68	83	101955	23.277	ug/l	99
31) Cyclohexane	7.95	56	87122	20.158	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	89254	22.407	ug/l	99
36) 1,1-Dichloropropene	8.08	75	77074	21.293	ug/l	100
37) Ethyl Acetate	7.25	43	37933	22.536	ug/l	99
38) Carbon Tetrachloride	8.07	117	78992	20.693	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	85691	18.980	ug/l	96
40) Benzene	8.32	78	221295	22.392	ug/l	98
41) Methacrylonitrile	7.48	41	20889	21.112	ug/l	94
42) 1,2-Dichloroethane	8.40	62	72198	23.062	ug/l	99
43) Isopropyl Acetate	8.43	43	73695	21.937	ug/l	98
44) Trichloroethene	9.09	130	62559	22.470	ug/l	98
45) 1,2-Dichloropropane	9.37	63	56402	23.095	ug/l	96
46) Dibromomethane	9.46	93	30522	22.468	ug/l	100
47) Bromodichloromethane	9.65	83	76856	23.254	ug/l	94
48) Methyl methacrylate	9.43	41	31850	19.795	ug/l	99
49) 1,4-Dioxane	9.46	88	8688	399.372	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	182046	106.737	ug/l	100
52) Toluene	10.39	92	144830	21.593	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	71864	21.332	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	83900	21.837	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	43190	23.444	ug/l	98
56) Ethyl methacrylate	10.65	69	50081	20.924	ug/l	96
57) 1,3-Dichloropropane	10.93	76	75063	23.077	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	138549	115.094	ug/l	98
59) 2-Hexanone	10.97	43	119253	98.224	ug/l	99
60) Dibromochloromethane	11.13	129	51709	23.012	ug/l	98
61) 1,2-Dibromoethane	11.24	107	40036	21.955	ug/l	98
64) Tetrachloroethene	10.86	164	57653	22.286	ug/l	98
65) Chlorobenzene	11.66	112	161409	21.240	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	54685	21.282	ug/l	97
67) Ethyl Benzene	11.73	91	273987	20.169	ug/l	100
68) m/p-Xylenes	11.84	106	220515	40.627	ug/l	98
69) o-Xylene	12.16	106	102459	20.111	ug/l	99
70) Styrene	12.18	104	167444	20.429	ug/l	99
71) Bromoform	12.35	173	28999	20.996	ug/l #	100
73) Isopropylbenzene	12.47	105	271361	20.374	ug/l	99
74) N-amyl acetate	12.27	43	65792	19.610	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	46437	21.337	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	33514m	20.893	ug/l	
77) Bromobenzene	12.75	156	69946	22.223	ug/l	95
78) n-propylbenzene	12.80	91	328234	20.146	ug/l	99
79) 2-Chlorotoluene	12.90	91	192980	20.862	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	234695	20.277	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11479	17.397	ug/l	92
82) 4-Chlorotoluene	12.99	91	201666	20.688	ug/l	99
83) tert-Butylbenzene	13.21	119	207201	20.703	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	238517	19.907	ug/l	99
85) sec-Butylbenzene	13.38	105	285931	19.869	ug/l	100
86) p-Isopropyltoluene	13.50	119	251744	19.082	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	137725	21.090	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	133165	20.690	ug/l	98
89) n-Butylbenzene	13.83	91	229354	18.557	ug/l	99
90) Hexachloroethane	14.10	117	45244	20.949	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	121790	20.931	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7655	19.445	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	79690	19.008	ug/l	100
94) Hexachlorobutadiene	15.24	225	49586	20.080	ug/l	99
95) Naphthalene	15.37	128	131686	18.448	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	70870	19.551	ug/l	98

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

