

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008646.D
 Acq On : 13 Feb 2019 19:44
 Operator : SY/VA
 Sample : VW0213SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 2:10:45 PM

Quant Time: Feb 14 05:29:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	378916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	579165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	526541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	276133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	201298	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
35) Dibromofluoromethane	7.88	113	180829	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	10.32	98	680405	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.62	95	253233	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	46514	19.166	ug/l	98
3) Chloromethane	2.21	50	66475	19.000	ug/l	100
4) Vinyl Chloride	2.37	62	84957	18.486	ug/l	100
5) Bromomethane	2.78	94	74192	20.402	ug/l	99
6) Chloroethane	2.92	64	66951	19.579	ug/l	94
7) Trichlorofluoromethane	3.25	101	64569	18.039	ug/l	96
8) Diethyl Ether	3.67	74	48289	22.607	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	76505	20.226	ug/l	99
10) Methyl Iodide	4.26	142	118818	20.125	ug/l	98
11) Tert butyl alcohol	5.17	59	37206	118.045	ug/l #	94
12) 1,1-Dichloroethene	4.02	96	73273	19.808	ug/l	93
13) Acrolein	3.88	56	37296	114.851	ug/l	99
14) Allyl chloride	4.65	41	123286	20.060	ug/l	99
15) Acrylonitrile	5.37	53	104653	116.404	ug/l	99
16) Acetone	4.12	43	94494	105.412	ug/l	100
17) Carbon Disulfide	4.37	76	217097	19.447	ug/l	100
18) Methyl Acetate	4.67	43	43090	21.036	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	141009	21.714	ug/l	99
20) Methylene Chloride	4.90	84	90503	18.333	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	81359	20.083	ug/l	95
22) Diisopropyl ether	6.31	45	252248	20.392	ug/l	99
23) Vinyl Acetate	6.25	43	847594	105.576	ug/l	99
24) 1,1-Dichloroethane	6.21	63	143375	20.086	ug/l	100
25) 2-Butanone	7.16	43	146216	115.513	ug/l	99
26) 2,2-Dichloropropane	7.16	77	85588	19.194	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	91880	20.974	ug/l	96
28) Bromochloromethane	7.51	49	65246	21.653	ug/l	98
29) Tetrahydrofuran	7.53	42	98780	118.398	ug/l	98
30) Chloroform	7.67	83	142579	19.935	ug/l	93
31) Cyclohexane	7.94	56	141794	19.681	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	119457	19.776	ug/l	98
36) 1,1-Dichloropropene	8.08	75	114358	19.653	ug/l	99
37) Ethyl Acetate	7.25	43	65431	23.311	ug/l	100
38) Carbon Tetrachloride	8.06	117	112569	19.455	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	144781	19.672	ug/l	99
40) Benzene	8.32	78	316863	19.939	ug/l	99
41) Methacrylonitrile	7.48	41	37479	23.732	ug/l	97
42) 1,2-Dichloroethane	8.40	62	104212	21.142	ug/l	99
43) Isopropyl Acetate	8.42	43	126764	22.649	ug/l	98
44) Trichloroethene	9.09	130	89023	20.204	ug/l	93
45) 1,2-Dichloropropane	9.37	63	80156	20.381	ug/l	97
46) Dibromomethane	9.46	93	46198	21.324	ug/l	98
47) Bromodichloromethane	9.64	83	107351	20.618	ug/l	98
48) Methyl methacrylate	9.44	41	57199	22.052	ug/l	99
49) 1,4-Dioxane	9.44	88	15271	441.589	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	331855	115.425	ug/l	100
52) Toluene	10.39	92	206075	20.101	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	110635	20.226	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	128088	20.658	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	63027	21.202	ug/l	96
56) Ethyl methacrylate	10.65	69	86244	21.849	ug/l	99
57) 1,3-Dichloropropane	10.93	76	112058	21.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	220675	116.541	ug/l	99
59) 2-Hexanone	10.97	43	226481	112.134	ug/l	99
60) Dibromochloromethane	11.13	129	72486	20.379	ug/l	98
61) 1,2-Dibromoethane	11.24	107	62549	21.370	ug/l	100
64) Tetrachloroethene	10.86	164	78592	20.072	ug/l	96
65) Chlorobenzene	11.66	112	225357	19.857	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	77935	19.385	ug/l	99
67) Ethyl Benzene	11.73	91	394528	19.516	ug/l	100
68) m/p-Xylenes	11.84	106	308524	39.224	ug/l	98
69) o-Xylene	12.16	106	145187	19.527	ug/l	99
70) Styrene	12.18	104	234004	19.269	ug/l	99
71) Bromoform	12.35	173	43298	19.988	ug/l #	96
73) Isopropylbenzene	12.46	105	393606	19.136	ug/l	99
74) N-amyl acetate	12.27	43	117785	21.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	77497	21.655	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	57409m	21.055	ug/l	
77) Bromobenzene	12.75	156	97305	20.580	ug/l	97
78) n-propylbenzene	12.80	91	476564	19.500	ug/l	99
79) 2-Chlorotoluene	12.90	91	269583	19.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	335916	19.662	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	23208	20.340	ug/l	96
82) 4-Chlorotoluene	12.99	91	281489	19.230	ug/l	99
83) tert-Butylbenzene	13.21	119	302052	20.361	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	340452	19.389	ug/l	100
85) sec-Butylbenzene	13.39	105	421126	19.496	ug/l	99
86) p-Isopropyltoluene	13.50	119	372337	19.268	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	187066	19.517	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	188344	19.939	ug/l	99
89) n-Butylbenzene	13.83	91	351277	19.130	ug/l	99
90) Hexachloroethane	14.10	117	64912	19.227	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	173025	20.375	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13876	22.313	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	126178	20.873	ug/l	99
94) Hexachlorobutadiene	15.24	225	72769	20.680	ug/l	99
95) Naphthalene	15.37	128	238569	22.023	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	111287	21.454	ug/l	98

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

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