

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015101.D
 Acq On : 09 Mar 2020 16:57
 Operator : SY/VA
 Sample : VW0309SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:24:09 PM

Quant Time: Mar 10 18:26:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	481723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	897653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	803354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	362862	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	353647	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	7.88	113	266323	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
50) Toluene-d8	10.32	98	1147208	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.62	95	382306	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	58738	20.109	ug/l	97
3) Chloromethane	2.22	50	128429	20.489	ug/l	99
4) Vinyl Chloride	2.37	62	168268	20.505	ug/l	96
5) Bromomethane	2.78	94	93829	20.003	ug/l	100
6) Chloroethane	2.93	64	96256	20.251	ug/l	98
7) Trichlorofluoromethane	3.26	101	87657	21.345	ug/l	95
8) Diethyl Ether	3.68	74	63012	20.137	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	127198	20.319	ug/l	99
10) Methyl Iodide	4.27	142	143498	20.604	ug/l	100
11) Tert butyl alcohol	5.16	59	45854	112.643	ug/l	100
12) 1,1-Dichloroethene	4.04	96	123869	20.238	ug/l	98
13) Acrolein	3.90	56	59448	99.854	ug/l	95
14) Allyl chloride	4.67	41	254334	20.735	ug/l	99
15) Acrylonitrile	5.37	53	156294	97.442	ug/l	99
16) Acetone	4.12	43	145314	89.956	ug/l	94
17) Carbon Disulfide	4.39	76	434782	20.035	ug/l	97
18) Methyl Acetate	4.67	43	75030	19.594	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	168234	21.471	ug/l	93
20) Methylene Chloride	4.92	84	152906	20.920	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	134129	20.640	ug/l	98
22) Diisopropyl ether	6.31	45	514694	21.869	ug/l	98
23) Vinyl Acetate	6.25	43	1424372	102.523	ug/l	99
24) 1,1-Dichloroethane	6.21	63	285329	20.790	ug/l	99
25) 2-Butanone	7.17	43	211274	95.404	ug/l	98
26) 2,2-Dichloropropane	7.17	77	168370	21.450	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	141035	20.846	ug/l	97
28) Bromochloromethane	7.51	49	130151	19.791	ug/l	98
29) Tetrahydrofuran	7.52	42	135178	97.589	ug/l	99
30) Chloroform	7.67	83	251309	20.634	ug/l	97
31) Cyclohexane	7.95	56	290146	20.555	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	196813	20.696	ug/l	99
36) 1,1-Dichloropropene	8.08	75	213026	20.464	ug/l	99
37) Ethyl Acetate	7.25	43	100972	19.462	ug/l	99
38) Carbon Tetrachloride	8.07	117	171021	20.181	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	243762	20.479	ug/l	98
40) Benzene	8.32	78	602380	20.822	ug/l	99
41) Methacrylonitrile	7.48	41	55137	20.094	ug/l	95
42) 1,2-Dichloroethane	8.40	62	178448	20.247	ug/l	99
43) Isopropyl Acetate	8.42	43	183537	19.732	ug/l	99
44) Trichloroethene	9.09	130	124578	20.230	ug/l	97
45) 1,2-Dichloropropane	9.37	63	160318	20.578	ug/l	99
46) Dibromomethane	9.46	93	67186	19.833	ug/l	97
47) Bromodichloromethane	9.64	83	182414	20.169	ug/l	98
48) Methyl methacrylate	9.43	41	92625	20.974	ug/l	91
49) 1,4-Dioxane	9.45	88	19493	375.835	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	472257	91.923	ug/l	100
52) Toluene	10.38	92	346001	20.820	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	176193	19.802	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	219566	20.257	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	91201	19.648	ug/l	98
56) Ethyl methacrylate	10.65	69	116713	18.767	ug/l	98
57) 1,3-Dichloropropane	10.93	76	177083	20.038	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	341208	97.091	ug/l	100
59) 2-Hexanone	10.96	43	308393	90.241	ug/l	98
60) Dibromochloromethane	11.13	129	94874	19.789	ug/l	99
61) 1,2-Dibromoethane	11.23	107	81414	19.784	ug/l	98
64) Tetrachloroethene	10.86	164	92903	20.039	ug/l	96
65) Chlorobenzene	11.65	112	328083	20.347	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	108245	20.159	ug/l	99
67) Ethyl Benzene	11.73	91	653917	20.840	ug/l	99
68) m/p-Xylenes	11.84	106	469496	42.325	ug/l	99
69) o-Xylene	12.16	106	204384	20.454	ug/l	96
70) Styrene	12.18	104	360647	21.064	ug/l	100
71) Bromoform	12.35	173	45248	18.988	ug/l #	97
73) Isopropylbenzene	12.46	105	580886	20.957	ug/l	100
74) N-amyl acetate	12.27	43	160177	19.203	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	109362	19.430	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	84306m	20.557	ug/l	
77) Bromobenzene	12.74	156	113269	20.675	ug/l	99
78) n-propylbenzene	12.80	91	775694	21.533	ug/l	98
79) 2-Chlorotoluene	12.89	91	431380	21.299	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	507554	21.296	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	33228	18.300	ug/l	93
82) 4-Chlorotoluene	12.99	91	454376	21.066	ug/l	100
83) tert-Butylbenzene	13.21	119	407795	21.121	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	512280	21.497	ug/l	99
85) sec-Butylbenzene	13.38	105	621425	21.267	ug/l	100
86) p-Isopropyltoluene	13.49	119	536461	21.359	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	240412	20.711	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	236946	20.730	ug/l	98
89) n-Butylbenzene	13.82	91	573004	21.154	ug/l	100
90) Hexachloroethane	14.09	117	102269	20.303	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	209775	20.634	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17638	19.515	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	118981	20.451	ug/l	99
94) Hexachlorobutadiene	15.23	225	74534	20.405	ug/l	98
95) Naphthalene	15.36	128	201589	17.972	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	100923	19.558	ug/l	99

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

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