

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013223.D
 Acq On : 23 Sep 2019 11:44
 Operator : SY/VA
 Sample : VW0923SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:38 AM

Quant Time: Sep 24 06:55:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	376564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	544467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	471219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	241246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	153433	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.88	113	151618	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.32	98	634734	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.62	95	216455	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	48322	22.246	ug/l	90
3) Chloromethane	2.21	50	57509	20.596	ug/l	100
4) Vinyl Chloride	2.36	62	74736	20.761	ug/l	99
5) Bromomethane	2.76	94	45295	19.855	ug/l	92
6) Chloroethane	2.90	64	41401	19.512	ug/l	98
7) Trichlorofluoromethane	3.24	101	37883	18.251	ug/l	94
8) Diethyl Ether	3.67	74	36222	20.430	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	69897	20.683	ug/l	98
10) Methyl Iodide	4.26	142	101848	19.439	ug/l	99
11) Tert butyl alcohol	5.20	59	20104	84.166	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	70991	20.286	ug/l	95
13) Acrolein	3.89	56	18441	104.236	ug/l	97
14) Allyl chloride	4.65	41	113311	20.345	ug/l	99
15) Acrylonitrile	5.36	53	78045	101.985	ug/l	99
16) Acetone	4.12	43	65703	94.800	ug/l	99
17) Carbon Disulfide	4.37	76	203344	20.104	ug/l	99
18) Methyl Acetate	4.67	43	39359	20.203	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	109915	20.494	ug/l	98
20) Methylene Chloride	4.91	84	78862	20.537	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	78284	20.697	ug/l	96
22) Diisopropyl ether	6.31	45	215379	20.336	ug/l	99
23) Vinyl Acetate	6.25	43	648731	103.252	ug/l	100
24) 1,1-Dichloroethane	6.21	63	131771	20.619	ug/l	98
25) 2-Butanone	7.17	43	101107	97.180	ug/l	98
26) 2,2-Dichloropropane	7.16	77	83884	19.934	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	82535	20.677	ug/l	99
28) Bromochloromethane	7.51	49	44338	18.077	ug/l	98
29) Tetrahydrofuran	7.53	42	65740	103.033	ug/l	98
30) Chloroform	7.67	83	127361	20.355	ug/l	96
31) Cyclohexane	7.95	56	137336	20.616	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	103440	20.412	ug/l	99
36) 1,1-Dichloropropene	8.08	75	109953	20.850	ug/l	98
37) Ethyl Acetate	7.25	43	45182	20.159	ug/l	98
38) Carbon Tetrachloride	8.06	117	96693	20.454	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	141506	20.880	ug/l	97
40) Benzene	8.32	78	305760	20.787	ug/l	99
41) Methacrylonitrile	7.48	41	27236	20.361	ug/l	98
42) 1,2-Dichloroethane	8.40	62	80169	20.274	ug/l	98
43) Isopropyl Acetate	8.42	43	86837	20.215	ug/l	99
44) Trichloroethene	9.09	130	85408	20.695	ug/l	99
45) 1,2-Dichloropropane	9.37	63	73289	20.408	ug/l	99
46) Dibromomethane	9.46	93	35608	20.423	ug/l	99
47) Bromodichloromethane	9.64	83	88252	19.892	ug/l	96
48) Methyl methacrylate	9.43	41	43148	21.362	ug/l	94
49) 1,4-Dioxane	9.46	88	9824	375.372	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	218152	101.303	ug/l	100
52) Toluene	10.38	92	197247	20.923	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	94103	20.646	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	115204	20.788	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	53504	20.531	ug/l	98
56) Ethyl methacrylate	10.65	69	69926	20.503	ug/l	99
57) 1,3-Dichloropropane	10.93	76	92473	20.334	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	167817	106.287	ug/l	100
59) 2-Hexanone	10.97	43	149675	101.024	ug/l	99
60) Dibromochloromethane	11.13	129	60848	20.563	ug/l	97
61) 1,2-Dibromoethane	11.23	107	51264	20.690	ug/l	99
64) Tetrachloroethene	10.86	164	73472	20.550	ug/l	96
65) Chlorobenzene	11.66	112	198753	20.198	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	69005	20.527	ug/l	99
67) Ethyl Benzene	11.73	91	368069	20.644	ug/l	100
68) m/p-Xylenes	11.84	106	286060	42.105	ug/l	100
69) o-Xylene	12.16	106	131862	20.876	ug/l	97
70) Styrene	12.18	104	222620	20.529	ug/l	100
71) Bromoform	12.35	173	35136	19.784	ug/l #	97
73) Isopropylbenzene	12.46	105	364148	20.434	ug/l	99
74) N-amyl acetate	12.27	43	78819	19.932	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	59870	20.088	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	39305m	18.449	ug/l	
77) Bromobenzene	12.75	156	84984	20.124	ug/l	98
78) n-propylbenzene	12.80	91	437068	20.952	ug/l	100
79) 2-Chlorotoluene	12.89	91	240197	20.553	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	309143	20.636	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	19601	20.644	ug/l	97
82) 4-Chlorotoluene	12.99	91	252493	20.488	ug/l	100
83) tert-Butylbenzene	13.21	119	271433	20.644	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	307528	20.630	ug/l	99
85) sec-Butylbenzene	13.38	105	377955	20.850	ug/l	99
86) p-Isopropyltoluene	13.50	119	350185	20.828	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	168835	20.773	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	167660	21.033	ug/l	99
89) n-Butylbenzene	13.82	91	320195	20.856	ug/l	100
90) Hexachloroethane	14.09	117	58764	20.805	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	146820	20.881	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8949	19.631	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	105545	20.947	ug/l	99
94) Hexachlorobutadiene	15.24	225	71859	20.846	ug/l	98
95) Naphthalene	15.36	128	166058	20.151	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	88413	20.308	ug/l	99

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

