

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012037.D
 Acq On : 20 Aug 2019 18:45
 Operator : SY/VA
 Sample : VW0820SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:30:01 AM

Quant Time: Aug 21 01:57:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	251579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	405628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	150124	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	7.88	113	123919	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
50) Toluene-d8	10.32	98	502165	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
62) 4-Bromofluorobenzene	12.62	95	178057	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31884	22.740	ug/l	97
3) Chloromethane	2.21	50	51547	21.202	ug/l	98
4) Vinyl Chloride	2.36	62	59538	20.341	ug/l	98
5) Bromomethane	2.76	94	31381	19.369	ug/l	100
6) Chloroethane	2.91	64	33321	19.929	ug/l	98
7) Trichlorofluoromethane	3.25	101	28012	21.414	ug/l	95
8) Diethyl Ether	3.68	74	31260	21.076	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53786	21.675	ug/l	98
10) Methyl Iodide	4.27	142	72015	20.536	ug/l	99
11) Tert butyl alcohol	5.17	59	20165	82.648	ug/l	95
12) 1,1-Dichloroethene	4.04	96	53417	20.387	ug/l	98
13) Acrolein	3.89	56	11394	54.969	ug/l	94
14) Allyl chloride	4.67	41	112895	20.259	ug/l	99
15) Acrylonitrile	5.37	53	75730	102.284	ug/l	99
16) Acetone	4.12	43	73111	79.561	ug/l	99
17) Carbon Disulfide	4.38	76	152034	18.540	ug/l	99
18) Methyl Acetate	4.67	43	42912	20.787	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	89321	21.483	ug/l	100
20) Methylene Chloride	4.92	84	67342	21.249	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	58030	20.543	ug/l	97
22) Diisopropyl ether	6.31	45	223550	21.277	ug/l	95
23) Vinyl Acetate	6.25	43	676533	102.476	ug/l	100
24) 1,1-Dichloroethane	6.21	63	117651	20.908	ug/l	99
25) 2-Butanone	7.17	43	110409	91.820	ug/l	100
26) 2,2-Dichloropropane	7.17	77	64040	18.506	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	64273	20.674	ug/l	98
28) Bromochloromethane	7.51	49	54907	21.984	ug/l #	98
29) Tetrahydrofuran	7.53	42	71121	103.475	ug/l	99
30) Chloroform	7.67	83	109702	21.132	ug/l	96
31) Cyclohexane	7.95	56	110325	20.425	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	84791	21.447	ug/l	99
36) 1,1-Dichloropropene	8.08	75	88851	21.066	ug/l	98
37) Ethyl Acetate	7.26	43	50631	20.865	ug/l	98
38) Carbon Tetrachloride	8.07	117	75904	21.022	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	98796	21.273	ug/l	96
40) Benzene	8.32	78	247783	20.973	ug/l	99
41) Methacrylonitrile	7.48	41	29027	20.011	ug/l	98
42) 1,2-Dichloroethane	8.40	62	76864	20.780	ug/l	99
43) Isopropyl Acetate	8.42	43	94253	21.120	ug/l	99
44) Trichloroethene	9.09	130	60592	21.339	ug/l	100
45) 1,2-Dichloropropane	9.37	63	67141	21.240	ug/l	99
46) Dibromomethane	9.46	93	29717	20.597	ug/l	98
47) Bromodichloromethane	9.65	83	78351	20.702	ug/l	98
48) Methyl methacrylate	9.44	41	44178	20.608	ug/l	95
49) 1,4-Dioxane	9.45	88	9847	471.359	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	241525	104.048	ug/l	99
52) Toluene	10.39	92	150725	21.126	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	80664	20.403	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	96605	20.551	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43195	21.101	ug/l	98
56) Ethyl methacrylate	10.65	69	62782	20.958	ug/l	98
57) 1,3-Dichloropropane	10.93	76	80321	20.739	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	170029	125.012	ug/l	100
59) 2-Hexanone	10.97	43	164256	100.219	ug/l	98
60) Dibromochloromethane	11.13	129	46647	20.528	ug/l	99
61) 1,2-Dibromoethane	11.23	107	39746	20.517	ug/l	99
64) Tetrachloroethene	10.86	164	50061	21.907	ug/l	99
65) Chlorobenzene	11.66	112	151152	21.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	52230	21.251	ug/l	99
67) Ethyl Benzene	11.73	91	288952	21.502	ug/l	99
68) m/p-Xylenes	11.84	106	208439	42.651	ug/l	100
69) o-Xylene	12.16	106	98860	21.769	ug/l	100
70) Styrene	12.18	104	170623	21.730	ug/l	99
71) Bromoform	12.35	173	25782	20.574	ug/l #	98
73) Isopropylbenzene	12.46	105	273355	21.603	ug/l	99
74) N-amyl acetate	12.27	43	83782	21.149	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51268	21.540	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35298m	19.668	ug/l	
77) Bromobenzene	12.75	156	60181	21.518	ug/l	98
78) n-propylbenzene	12.80	91	332636	21.601	ug/l	100
79) 2-Chlorotoluene	12.89	91	188017	21.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	227750	21.472	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16136	20.721	ug/l	97
82) 4-Chlorotoluene	12.99	91	197919	21.263	ug/l	100
83) tert-Butylbenzene	13.21	119	194242	21.899	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	228301	21.367	ug/l	100
85) sec-Butylbenzene	13.38	105	277011	21.888	ug/l	99
86) p-Isopropyltoluene	13.50	119	245395	21.370	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	116101	21.171	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	114841	21.052	ug/l	98
89) n-Butylbenzene	13.82	91	241819	21.102	ug/l	99
90) Hexachloroethane	14.09	117	42502	20.932	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	102393	21.111	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8306	20.465	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69869	20.440	ug/l	99
94) Hexachlorobutadiene	15.24	225	45566	21.375	ug/l	98
95) Naphthalene	15.36	128	126244	20.141	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	62272	20.783	ug/l	98

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

