

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013486.D
 Acq On : 08 Oct 2019 15:01
 Operator : SY/VA
 Sample : VW1008SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:09:44 PM

Quant Time: Oct 09 06:31:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	357774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	507768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	436293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	219904	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	136060	49.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.44%	
35) Dibromofluoromethane	7.88	113	137961	48.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.30%	
50) Toluene-d8	10.32	98	588567	49.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.62	95	195448	48.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	27452	23.164	ug/l	99
3) Chloromethane	2.21	50	46648	22.393	ug/l	99
4) Vinyl Chloride	2.35	62	64855	21.107	ug/l	99
5) Bromomethane	2.77	94	38615	21.062	ug/l	94
6) Chloroethane	2.91	64	34385	19.927	ug/l	97
7) Trichlorofluoromethane	3.25	101	30586	21.039	ug/l	92
8) Diethyl Ether	3.68	74	31546	20.964	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59143	19.739	ug/l	94
10) Methyl Iodide	4.26	142	96696	20.380	ug/l	98
11) Tert butyl alcohol	5.20	59	19176	78.788	ug/l	96
12) 1,1-Dichloroethene	4.04	96	64033	20.621	ug/l	99
13) Acrolein	3.90	56	25596	105.597	ug/l	98
14) Allyl chloride	4.67	41	98500	20.642	ug/l	100
15) Acrylonitrile	5.37	53	69142	98.312	ug/l	99
16) Acetone	4.13	43	58786	91.390	ug/l	97
17) Carbon Disulfide	4.38	76	178328	20.460	ug/l	99
18) Methyl Acetate	4.67	43	36157	19.623	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	93633	19.941	ug/l	96
20) Methylene Chloride	4.92	84	71578	20.632	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	68491	20.757	ug/l	96
22) Diisopropyl ether	6.31	45	185630	20.762	ug/l	98
23) Vinyl Acetate	6.25	43	544049	101.355	ug/l	98
24) 1,1-Dichloroethane	6.21	63	112589	20.603	ug/l	99
25) 2-Butanone	7.17	43	86582	91.333	ug/l	98
26) 2,2-Dichloropropane	7.16	77	71425	20.275	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	73349	21.009	ug/l	98
28) Bromochloromethane	7.51	49	31376	16.490	ug/l #	98
29) Tetrahydrofuran	7.53	42	57359	99.000	ug/l	98
30) Chloroform	7.67	83	110322	20.871	ug/l	88
31) Cyclohexane	7.95	56	118889	20.555	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	91270	21.241	ug/l	98
36) 1,1-Dichloropropene	8.08	75	94940	20.669	ug/l	100
37) Ethyl Acetate	7.25	43	41608	19.964	ug/l	99
38) Carbon Tetrachloride	8.07	117	84998	20.874	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	124030	20.841	ug/l	97
40) Benzene	8.32	78	266934	20.818	ug/l	100
41) Methacrylonitrile	7.48	41	20396	17.210	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	67586	20.854	ug/l	100
43) Isopropyl Acetate	8.42	43	74229	19.714	ug/l	100
44) Trichloroethene	9.09	130	75758	20.711	ug/l	100
45) 1,2-Dichloropropane	9.37	63	64359	20.912	ug/l	94
46) Dibromomethane	9.46	93	31441	20.507	ug/l	98
47) Bromodichloromethane	9.64	83	77604	20.362	ug/l	95
48) Methyl methacrylate	9.43	41	37615	20.281	ug/l	97
49) 1,4-Dioxane	9.46	88	11280	419.002	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	190668	96.320	ug/l	100
52) Toluene	10.38	92	172071	20.833	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	80980	20.448	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	100809	21.011	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	48329	21.001	ug/l	94
56) Ethyl methacrylate	10.65	69	62532	20.175	ug/l	98
57) 1,3-Dichloropropane	10.93	76	81181	20.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	142266	97.290	ug/l	99
59) 2-Hexanone	10.97	43	130495	96.136	ug/l	99
60) Dibromochloromethane	11.13	129	54071	20.431	ug/l	96
61) 1,2-Dibromoethane	11.23	107	45544	20.807	ug/l	96
64) Tetrachloroethene	10.86	164	65272	20.327	ug/l	96
65) Chlorobenzene	11.66	112	177483	20.473	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	60794	20.188	ug/l	98
67) Ethyl Benzene	11.73	91	323557	20.420	ug/l	98
68) m/p-Xylenes	11.84	106	250601	41.567	ug/l	98
69) o-Xylene	12.16	106	116663	20.944	ug/l	98
70) Styrene	12.18	104	197986	20.701	ug/l	99
71) Bromoform	12.35	173	33029	19.991	ug/l #	100
73) Isopropylbenzene	12.46	105	323971	20.567	ug/l	98
74) N-amyl acetate	12.27	43	66417	19.279	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	53144	19.794	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41297m	22.548	ug/l	
77) Bromobenzene	12.74	156	76477	20.483	ug/l	99
78) n-propylbenzene	12.80	91	375067	20.591	ug/l	99
79) 2-Chlorotoluene	12.89	91	209590	20.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	270448	20.664	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	17324	19.336	ug/l	94
82) 4-Chlorotoluene	12.99	91	220335	20.802	ug/l	99
83) tert-Butylbenzene	13.21	119	241197	20.751	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	267044	20.630	ug/l	100
85) sec-Butylbenzene	13.38	105	328645	20.464	ug/l	100
86) p-Isopropyltoluene	13.50	119	308439	20.903	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	146828	20.740	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	147317	21.241	ug/l	99
89) n-Butylbenzene	13.82	91	277986	20.855	ug/l	99
90) Hexachloroethane	14.09	117	51690	20.473	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	130746	20.917	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8251	19.277	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	92330	20.900	ug/l	100
94) Hexachlorobutadiene	15.23	225	62116	21.159	ug/l	98
95) Naphthalene	15.36	128	151475	19.822	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	80946	20.954	ug/l	99

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

