

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011198.D
 Acq On : 10 Jul 2019 18:42
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 2:50:05 PM

Quant Time: Jul 11 08:20:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	340960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153044	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	128906	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	7.88	113	101379	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	10.32	98	410329	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.62	95	149406	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	70558	45.344	ug/l	100
3) Chloromethane	2.21	50	95927	47.842	ug/l	95
4) Vinyl Chloride	2.36	62	124983	47.624	ug/l	95
5) Bromomethane	2.77	94	66178	50.183	ug/l	94
6) Chloroethane	2.92	64	70536	49.900	ug/l	96
7) Trichlorofluoromethane	3.24	101	41289	44.287	ug/l	99
8) Diethyl Ether	3.68	74	64618	50.092	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	110240	49.365	ug/l	99
10) Methyl Iodide	4.27	142	153929	50.116	ug/l	100
11) Tert butyl alcohol	5.17	59	46161	237.820	ug/l	98
12) 1,1-Dichloroethene	4.04	96	115667	49.903	ug/l	95
13) Acrolein	3.89	56	47015	304.185	ug/l	99
14) Allyl chloride	4.66	41	203456	48.137	ug/l	99
15) Acrylonitrile	5.36	53	166071	252.780	ug/l	100
16) Acetone	4.12	43	160195	253.953	ug/l	99
17) Carbon Disulfide	4.38	76	340346	48.435	ug/l	100
18) Methyl Acetate	4.67	43	79479	44.141	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	176510	50.189	ug/l	100
20) Methylene Chloride	4.92	84	126404	50.796	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	121093	50.279	ug/l	98
22) Diisopropyl ether	6.31	45	468216	51.505	ug/l	98
23) Vinyl Acetate	6.25	43	1531065	272.142	ug/l	100
24) 1,1-Dichloroethane	6.21	63	242525	50.805	ug/l	99
25) 2-Butanone	7.17	43	250342	252.820	ug/l	98
26) 2,2-Dichloropropane	7.16	77	116387	46.904	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	132574	51.029	ug/l	99
28) Bromochloromethane	7.51	49	99448	45.816	ug/l	100
29) Tetrahydrofuran	7.52	42	164493	253.346	ug/l	100
30) Chloroform	7.67	83	222060	50.230	ug/l	100
31) Cyclohexane	7.95	56	239245	47.110	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	165669	49.263	ug/l	99
36) 1,1-Dichloropropene	8.08	75	180625	49.747	ug/l	99
37) Ethyl Acetate	7.25	43	112233	51.447	ug/l	99
38) Carbon Tetrachloride	8.07	117	154484	50.190	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	223120	50.699	ug/l	98
40) Benzene	8.32	78	509143	50.740	ug/l	100
41) Methacrylonitrile	7.48	41	68285	54.729	ug/l	96
42) 1,2-Dichloroethane	8.40	62	167353	51.412	ug/l	100
43) Isopropyl Acetate	8.42	43	213108	51.741	ug/l	99
44) Trichloroethene	9.09	130	120623	49.954	ug/l	98
45) 1,2-Dichloropropane	9.37	63	141018	51.897	ug/l	99
46) Dibromomethane	9.46	93	65609	51.400	ug/l	99
47) Bromodichloromethane	9.64	83	169409	51.871	ug/l	97
48) Methyl methacrylate	9.43	41	102865	51.912	ug/l	99
49) 1,4-Dioxane	9.45	88	22679	1064.437	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	563051	261.700	ug/l	100
52) Toluene	10.38	92	312874	51.400	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	176980	50.908	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	207678	50.753	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	94556	52.217	ug/l	98
56) Ethyl methacrylate	10.65	69	145485	52.770	ug/l	99
57) 1,3-Dichloropropane	10.93	76	178768	52.206	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	346055	270.752	ug/l	100
59) 2-Hexanone	10.97	43	392794	263.253	ug/l	99
60) Dibromochloromethane	11.13	129	103847	52.297	ug/l	100
61) 1,2-Dibromoethane	11.24	107	89085	51.936	ug/l	100
64) Tetrachloroethene	10.86	164	101649	48.652	ug/l	99
65) Chlorobenzene	11.66	112	316871	50.336	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	112399	50.710	ug/l	98
67) Ethyl Benzene	11.73	91	607227	50.387	ug/l	99
68) m/p-Xylenes	11.84	106	442682	101.518	ug/l	100
69) o-Xylene	12.16	106	209382	50.945	ug/l	99
70) Styrene	12.18	104	366788	51.711	ug/l	99
71) Bromoform	12.35	173	57772	49.022	ug/l #	99
73) Isopropylbenzene	12.46	105	572024	49.999	ug/l	100
74) N-amyl acetate	12.27	43	204829	51.407	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	116911	49.852	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	82012m	46.371	ug/l	
77) Bromobenzene	12.75	156	127974	49.844	ug/l	100
78) n-propylbenzene	12.80	91	707522	50.203	ug/l	100
79) 2-Chlorotoluene	12.89	91	406752	50.155	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	490205	50.436	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36576	46.775	ug/l	97
82) 4-Chlorotoluene	12.99	91	420454	49.775	ug/l	100
83) tert-Butylbenzene	13.21	119	409416	50.508	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	493978	50.616	ug/l	100
85) sec-Butylbenzene	13.38	105	587162	50.200	ug/l	100
86) p-Isopropyltoluene	13.50	119	532186	50.729	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	253409	51.299	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	250478	50.354	ug/l	100
89) n-Butylbenzene	13.82	91	541593	51.751	ug/l	99
90) Hexachloroethane	14.10	117	94939	49.524	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	226293	50.495	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20188	48.531	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	164706	53.359	ug/l	99
94) Hexachlorobutadiene	15.24	225	97844	51.631	ug/l	100
95) Naphthalene	15.37	128	321730	54.392	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	147687	54.213	ug/l	99

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

