

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\
 Data File : VW014595.D
 Acq On : 10 Jan 2020 10:16
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:01:31 PM

Quant Time: Jan 11 04:05:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	764512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1105918	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	936146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	460284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	302193	45.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.42%	
35) Dibromofluoromethane	7.88	113	319434	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.32	98	1346742	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.62	95	448476	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	196553	45.534	ug/l	97
3) Chloromethane	2.21	50	249879	47.293	ug/l	100
4) Vinyl Chloride	2.36	62	405413	52.168	ug/l	100
5) Bromomethane	2.78	94	253152	52.732	ug/l	100
6) Chloroethane	2.92	64	240838	54.366	ug/l	100
7) Trichlorofluoromethane	3.25	101	224616	57.768	ug/l	98
8) Diethyl Ether	3.68	74	179035	46.278	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	380515	52.376	ug/l	99
10) Methyl Iodide	4.27	142	566580	51.687	ug/l	100
11) Tert butyl alcohol	5.16	59	103609	196.090	ug/l	98
12) 1,1-Dichloroethene	4.04	96	398224	52.342	ug/l	97
13) Acrolein	3.89	56	181061	310.352	ug/l	98
14) Allyl chloride	4.66	41	603365	51.897	ug/l	98
15) Acrylonitrile	5.36	53	380822	215.353	ug/l	99
16) Acetone	4.11	43	450873	238.885	ug/l	99
17) Carbon Disulfide	4.38	76	1146653	50.005	ug/l	99
18) Methyl Acetate	4.67	43	184248	40.420	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	459236	48.627	ug/l	100
20) Methylene Chloride	4.91	84	391943	51.475	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	408522	50.570	ug/l	98
22) Diisopropyl ether	6.31	45	1075279	49.412	ug/l	99
23) Vinyl Acetate	6.24	43	3026276	230.296	ug/l	100
24) 1,1-Dichloroethane	6.21	63	692772	50.469	ug/l	99
25) 2-Butanone	7.17	43	510747	210.864	ug/l	99
26) 2,2-Dichloropropane	7.16	77	393971	51.840	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	431246	50.804	ug/l	99
28) Bromochloromethane	7.51	49	275340	51.163	ug/l	97
29) Tetrahydrofuran	7.52	42	302564	201.636	ug/l	98
30) Chloroform	7.67	83	648605	50.528	ug/l	98
31) Cyclohexane	7.95	56	690437	48.399	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	535575	51.878	ug/l	99
36) 1,1-Dichloropropene	8.08	75	567069	53.188	ug/l	100
37) Ethyl Acetate	7.24	43	206776	42.763	ug/l	99
38) Carbon Tetrachloride	8.06	117	491873	53.178	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	729604	53.326	ug/l	99
40) Benzene	8.32	78	1586117	52.581	ug/l	100
41) Methacrylonitrile	7.48	41	133572	49.556	ug/l	93
42) 1,2-Dichloroethane	8.40	62	380582	48.617	ug/l	100
43) Isopropyl Acetate	8.42	43	386523	44.021	ug/l	98
44) Trichloroethene	9.09	130	433395	53.096	ug/l	98
45) 1,2-Dichloropropane	9.37	63	380041	51.341	ug/l	97
46) Dibromomethane	9.46	93	174612	47.783	ug/l	98
47) Bromodichloromethane	9.64	83	465536	51.601	ug/l	99
48) Methyl methacrylate	9.43	41	192288	44.854	ug/l	99
49) 1,4-Dioxane	9.44	88	64684	946.397	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	985869	216.213	ug/l	99
52) Toluene	10.38	92	1005069	52.961	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	468173	50.119	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	591372	51.799	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	258888	48.508	ug/l	98
56) Ethyl methacrylate	10.64	69	331104	47.737	ug/l	98
57) 1,3-Dichloropropane	10.93	76	454893	48.496	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	576377	273.236	ug/l	99
59) 2-Hexanone	10.96	43	717121	228.234	ug/l	100
60) Dibromochloromethane	11.13	129	302371	50.213	ug/l	99
61) 1,2-Dibromoethane	11.23	107	242039	47.777	ug/l	99
64) Tetrachloroethene	10.86	164	368648	54.394	ug/l	98
65) Chlorobenzene	11.65	112	1020939	53.233	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	343141	53.139	ug/l	99
67) Ethyl Benzene	11.73	91	1891861	54.737	ug/l	99
68) m/p-Xylenes	11.83	106	1446995	109.388	ug/l	99
69) o-Xylene	12.16	106	664391	54.374	ug/l	100
70) Styrene	12.18	104	1137190	55.023	ug/l	100
71) Bromoform	12.35	173	168892	47.950	ug/l #	99
73) Isopropylbenzene	12.46	105	1864514	55.206	ug/l	100
74) N-amyl acetate	12.27	43	353023	46.618	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	281172	46.124	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	209002m	48.025	ug/l	
77) Bromobenzene	12.74	156	407622	51.965	ug/l	98
78) n-propylbenzene	12.80	91	2200233	55.402	ug/l	100
79) 2-Chlorotoluene	12.89	91	1209952	53.537	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1558056	54.944	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	92790	47.506	ug/l	99
82) 4-Chlorotoluene	12.99	91	1258592	53.602	ug/l	100
83) tert-Butylbenzene	13.21	119	1379587	55.566	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1531812	54.282	ug/l	100
85) sec-Butylbenzene	13.38	105	1906799	55.485	ug/l	100
86) p-Isopropyltoluene	13.49	119	1765739	56.370	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	810674	53.147	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	800187	53.137	ug/l	100
89) n-Butylbenzene	13.82	91	1653045	56.828	ug/l	99
90) Hexachloroethane	14.09	117	302979	55.368	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	704506	52.549	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	42951	44.493	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	503126	55.573	ug/l	98
94) Hexachlorobutadiene	15.24	225	336059	55.390	ug/l	99
95) Naphthalene	15.36	128	795534	51.523	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	427315	54.149	ug/l	98

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

