

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX013120\
 Data File : VX014775.D
 Acq On : 31 Jan 2020 10:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 3:35:47 PM

Quant Time: Jan 31 15:39:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	429193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	624912	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	568877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	305854	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	237606	47.41	ug/l	0.00
Spiked Amount						
			Recovery	=	94.82%	
35) Dibromofluoromethane	5.48	113	195129	49.49	ug/l	-0.01
Spiked Amount						
			Recovery	=	98.98%	
50) Toluene-d8	8.71	98	745228	49.16	ug/l	0.00
Spiked Amount						
			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	11.13	95	267771	49.59	ug/l	0.00
Spiked Amount						
			Recovery	=	99.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	284030	49.311	ug/l	100
3) Chloromethane	1.32	50	271115	46.694	ug/l	99
4) Vinyl Chloride	1.41	62	320455	51.045	ug/l	99
5) Bromomethane	1.63	94	198561	46.565	ug/l	99
6) Chloroethane	1.72	64	175440	48.812	ug/l	99
7) Trichlorofluoromethane	1.92	101	365328	49.977	ug/l	98
8) Diethyl Ether	2.18	74	151400	47.451	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	219478	51.146	ug/l	99
10) Methyl Iodide	2.50	142	285560	50.714	ug/l	99
11) Tert butyl alcohol	3.03	59	224262	199.302	ug/l	99
12) 1,1-Dichloroethene	2.37	96	205970	48.275	ug/l	99
13) Acrolein	2.28	56	285821	322.152	ug/l	100
14) Allyl chloride	2.72	41	378081	49.301	ug/l	98
15) Acrylonitrile	3.12	53	606755	233.050	ug/l	99
16) Acetone	2.43	43	753170	274.176	ug/l	100
17) Carbon Disulfide	2.56	76	549512	47.124	ug/l	99
18) Methyl Acetate	2.76	43	373164	47.593	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	715771	51.219	ug/l	98
20) Methylene Chloride	2.84	84	242956	47.799	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	226845	48.288	ug/l	99
22) Diisopropyl ether	3.84	45	788511	51.680	ug/l	97
23) Vinyl Acetate	3.79	43	3040481	261.418	ug/l	99
24) 1,1-Dichloroethane	3.69	63	418863	50.551	ug/l	99
25) 2-Butanone	4.65	43	957925	243.400	ug/l	98
26) 2,2-Dichloropropane	4.57	77	350592	52.861	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	261482	49.733	ug/l	99
28) Bromochloromethane	5.00	49	157592	43.281	ug/l	99
29) Tetrahydrofuran	5.11	42	542575	232.281	ug/l	99
30) Chloroform	5.19	83	421398	51.339	ug/l	99
31) Cyclohexane	5.57	56	385545	49.471	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	357765	51.564	ug/l	99
36) 1,1-Dichloropropene	5.78	75	315384	54.314	ug/l	99
37) Ethyl Acetate	4.81	43	332691	50.024	ug/l	99
38) Carbon Tetrachloride	5.77	117	312655	56.379	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	396025	54.441	ug/l	97
40) Benzene	6.13	78	948606	52.872	ug/l	99
41) Methacrylonitrile	5.01	41	188660	49.722	ug/l	99
42) 1,2-Dichloroethane	6.18	62	337194	54.425	ug/l	99
43) Isopropyl Acetate	6.43	43	550221	50.523	ug/l	99
44) Trichloroethene	7.20	130	266086	52.505	ug/l	93
45) 1,2-Dichloropropane	7.50	63	249778	54.040	ug/l	98
46) Dibromomethane	7.65	93	161424	53.924	ug/l	100
47) Bromodichloromethane	7.89	83	330915	56.361	ug/l	99
48) Methyl methacrylate	7.76	41	277794	53.386	ug/l	99
49) 1,4-Dioxane	7.73	88	95627	866.958	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	1722785	250.637	ug/l	100
52) Toluene	8.78	92	603059	54.681	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	361477	57.177	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	401802	57.773	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	245860	54.449	ug/l	98
56) Ethyl methacrylate	9.17	69	380216	49.680	ug/l	99
57) 1,3-Dichloropropane	9.36	76	416466	53.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	602535	265.337	ug/l	99
59) 2-Hexanone	9.48	43	1368849	256.635	ug/l	99
60) Dibromochloromethane	9.57	129	264886	56.202	ug/l	99
61) 1,2-Dibromoethane	9.67	107	256220	53.669	ug/l	99
64) Tetrachloroethene	9.33	164	286668	50.908	ug/l	98
65) Chlorobenzene	10.13	112	654023	53.750	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	246025	54.838	ug/l	100
67) Ethyl Benzene	10.24	91	1163600	56.005	ug/l	100
68) m/p-Xylenes	10.35	106	885361	112.482	ug/l	100
69) o-Xylene	10.69	106	422584	55.612	ug/l	100
70) Styrene	10.70	104	741696	58.187	ug/l	99
71) Bromoform	10.85	173	203831	57.131	ug/l #	100
73) Isopropylbenzene	11.01	105	1145303	53.256	ug/l	100
74) N-amyl acetate	10.89	43	480527	50.989	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	357023	46.496	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	314366m	44.178	ug/l	
77) Bromobenzene	11.25	156	298796	51.718	ug/l	97
78) n-propylbenzene	11.35	91	1330122	54.489	ug/l	100
79) 2-Chlorotoluene	11.42	91	770819	52.188	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	973418	54.536	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	124173	49.660	ug/l	100
82) 4-Chlorotoluene	11.50	91	913752	54.341	ug/l	99
83) tert-Butylbenzene	11.76	119	913906	54.489	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	975097	54.465	ug/l	99
85) sec-Butylbenzene	11.94	105	1143219	55.639	ug/l	99
86) p-Isopropyltoluene	12.06	119	1061575	55.906	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	533824	51.413	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	544600	52.362	ug/l	99
89) n-Butylbenzene	12.38	91	941831	56.949	ug/l	99
90) Hexachloroethane	12.59	117	188079	53.326	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	533405	51.725	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	76423	46.324	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	372949	56.095	ug/l	99
94) Hexachlorobutadiene	13.77	225	190645	55.712	ug/l	96
95) Naphthalene	13.83	128	1052024	49.086	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	373987	55.630	ug/l	98

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

