

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041320\
 Data File : VX015642.D
 Acq On : 13 Apr 2020 14:37
 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
 4/14/2020 10:11:30 AM

Quant Time: Apr 13 17:43:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	1292531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1853747	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	1708835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	922630	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	755678	41.45	ug/l	0.00
Spiked Amount			Recovery	=	82.90%	
35) Dibromofluoromethane	5.46	113	590998	49.87	ug/l	-0.01
Spiked Amount			Recovery	=	99.74%	
50) Toluene-d8	8.70	98	2162481	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.12	95	868992	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	553774	48.630	ug/l	99
3) Chloromethane	1.31	50	635188	43.801	ug/l	99
4) Vinyl Chloride	1.39	62	672604	50.511	ug/l	97
5) Bromomethane	1.63	94	306999	50.018	ug/l	98
6) Chloroethane	1.71	64	411682	49.849	ug/l	99
7) Trichlorofluoromethane	1.91	101	938007	52.527	ug/l	99
8) Diethyl Ether	2.17	74	382815	50.824	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	632820	54.359	ug/l	97
10) Methyl Iodide	2.49	142	773571	49.286	ug/l	98
11) Tert butyl alcohol	3.01	59	811436	185.965	ug/l	100
12) 1,1-Dichloroethene	2.36	96	616227	50.499	ug/l	98
13) Acrolein	2.27	56	237154	95.412	ug/l	100
14) Allyl chloride	2.70	41	1317940	46.222	ug/l	98
15) Acrylonitrile	3.11	53	1877732	225.654	ug/l	99
16) Acetone	2.42	43	1710957	218.460	ug/l	99
17) Carbon Disulfide	2.55	76	1644951	44.189	ug/l	100
18) Methyl Acetate	2.75	43	931118	46.581	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	2261157	47.777	ug/l	99
20) Methylene Chloride	2.83	84	670660	45.845	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	659173	48.673	ug/l	98
22) Diisopropyl ether	3.82	45	2457832	48.646	ug/l	99
23) Vinyl Acetate	3.78	43	10662360	233.080	ug/l	100
24) 1,1-Dichloroethane	3.67	63	1262106	47.444	ug/l	99
25) 2-Butanone	4.63	43	2736597	217.270	ug/l	99
26) 2,2-Dichloropropane	4.55	77	1164465	53.329	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	770251	49.160	ug/l	99
28) Bromochloromethane	4.98	49	555300	43.721	ug/l	96
29) Tetrahydrofuran	5.09	42	1743004	215.259	ug/l	98
30) Chloroform	5.17	83	1250244	48.850	ug/l	94
31) Cyclohexane	5.54	56	1162421	50.371	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	1154556	49.847	ug/l	100
36) 1,1-Dichloropropene	5.77	75	956958	56.027	ug/l	99
37) Ethyl Acetate	4.79	43	1085007	48.787	ug/l	100
38) Carbon Tetrachloride	5.75	117	1023603	55.331	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	1180967	59.967	ug/l	98
40) Benzene	6.11	78	2720448	54.373	ug/l	99
41) Methacrylonitrile	5.00	41	641586	51.969	ug/l	99
42) 1,2-Dichloroethane	6.16	62	1052485	52.370	ug/l	99
43) Isopropyl Acetate	6.41	43	1898906	50.580	ug/l	99
44) Trichloroethene	7.18	130	773954	56.720	ug/l	94
45) 1,2-Dichloropropane	7.49	63	735249	53.719	ug/l	98
46) Dibromomethane	7.64	93	480980	53.571	ug/l	95
47) Bromodichloromethane	7.87	83	1037623	54.238	ug/l	99
48) Methyl methacrylate	7.75	41	946983	50.500	ug/l	97
49) 1,4-Dioxane	7.72	88	330100	943.621	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	5339313	250.951	ug/l	99
52) Toluene	8.76	92	1755079	56.897	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	1208079	53.843	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	1253985	54.865	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	701085	55.475	ug/l	98
56) Ethyl methacrylate	9.16	69	1168416	52.460	ug/l	97
57) 1,3-Dichloropropane	9.36	76	1221611	53.651	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	2176305	200.886	ug/l	99
59) 2-Hexanone	9.47	43	4066388	253.150	ug/l	98
60) Dibromochloromethane	9.56	129	855075	56.306	ug/l	100
61) 1,2-Dibromoethane	9.65	107	738586	53.748	ug/l	98
64) Tetrachloroethene	9.32	164	728581	56.496	ug/l	95
65) Chlorobenzene	10.12	112	1907933	55.985	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.20	131	767006	56.336	ug/l	99
67) Ethyl Benzene	10.23	91	3420042	56.583	ug/l	99
68) m/p-Xylenes	10.34	106	2565185	113.973	ug/l	96
69) o-Xylene	10.68	106	1255854	56.467	ug/l	97
70) Styrene	10.70	104	2190662	55.975	ug/l	98
71) Bromoform	10.84	173	682223	55.044	ug/l #	100
73) Isopropylbenzene	11.00	105	3406047	56.342	ug/l	99
74) N-amyl acetate	10.88	43	1635580	48.645	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	1046693	50.459	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	970491m	51.151	ug/l	
77) Bromobenzene	11.24	156	909487	56.402	ug/l	94
78) n-propylbenzene	11.34	91	3882966	56.173	ug/l	99
79) 2-Chlorotoluene	11.40	91	2286614	53.969	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	2894597	56.066	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	397649	50.289	ug/l	98
82) 4-Chlorotoluene	11.50	91	2722694	54.816	ug/l	98
83) tert-Butylbenzene	11.76	119	2878690	57.083	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	2957891	56.221	ug/l	100
85) sec-Butylbenzene	11.93	105	3351012	57.455	ug/l	99
86) p-Isopropyltoluene	12.05	119	3212164	59.325	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	1663175	57.615	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	1634907	55.602	ug/l	99
89) n-Butylbenzene	12.37	91	2908454	59.442	ug/l	99
90) Hexachloroethane	12.58	117	566247	53.731	ug/l	91
91) 1,2-Dichlorobenzene	12.37	146	1580130	55.933	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	252694	43.161	ug/l	93

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93) 1,2,4-Trichlorobenzene	13.63	180	1309789	58.615	ug/l	99
94) Hexachlorobutadiene	13.77	225	633800	59.573	ug/l	96
95) Naphthalene	13.82	128	3727239	54.682	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	1277622	59.385	ug/l	98

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

