

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO050620\
 Data File : VX016073.D
 Acq On : 06 May 2020 10:45
 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
 5/8/2020 11:54:37 AM

Quant Time: May 07 07:17:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	321563	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.83	114	500346	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	469649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	238175	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	169978	40.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.34%	
35) Dibromofluoromethane	5.46	113	133594	42.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.28%	
50) Toluene-d8	8.70	98	515336	42.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.38%	
62) 4-Bromofluorobenzene	11.12	95	201902	43.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.92%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.18	85	172306	50.624	ug/l	100
3) Chloromethane	1.31	50	183030	46.304	ug/l	100
4) Vinyl Chloride	1.39	62	200363	47.511	ug/l	100
5) Bromomethane	1.62	94	97157	45.698	ug/l	98
6) Chloroethane	1.70	64	122739	47.834	ug/l	98
7) Trichlorofluoromethane	1.91	101	263858	47.657	ug/l	100
8) Diethyl Ether	2.17	74	107738	46.184	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	158211	49.530	ug/l	99
10) Methyl Iodide	2.49	142	192517	44.869	ug/l	99
11) Tert butyl alcohol	3.01	59	236533	221.054	ug/l	100
12) 1,1-Dichloroethene	2.36	96	157061	46.987	ug/l	96
13) Acrolein	2.27	56	152097	227.152	ug/l	99
14) Allyl chloride	2.70	41	292334	47.697	ug/l	98
15) Acrylonitrile	3.11	53	512349	230.812	ug/l	99
16) Acetone	2.42	43	425072	225.141	ug/l	97
17) Carbon Disulfide	2.55	76	483266	48.135	ug/l	99
18) Methyl Acetate	2.75	43	213778	46.051	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	557262	48.360	ug/l	100
20) Methylene Chloride	2.83	84	178413	45.839	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	174418	46.824	ug/l	99
22) Diisopropyl ether	3.82	45	557299	48.198	ug/l	89
23) Vinyl Acetate	3.78	43	2474441	243.244	ug/l	100
24) 1,1-Dichloroethane	3.67	63	312472	48.309	ug/l	99
25) 2-Butanone	4.63	43	690621	227.000	ug/l	100
26) 2,2-Dichloropropane	4.55	77	287378	48.650	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	195384	47.979	ug/l	99
28) Bromochloromethane	4.98	49	146967	49.830	ug/l	100
29) Tetrahydrofuran	5.09	42	460605	228.488	ug/l	100
30) Chloroform	5.17	83	308647	47.926	ug/l	99
31) Cyclohexane	5.54	56	291863	49.651	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	283485	48.426	ug/l	99
36) 1,1-Dichloropropene	5.77	75	243782	49.497	ug/l	99
37) Ethyl Acetate	4.79	43	272217	47.687	ug/l	100
38) Carbon Tetrachloride	5.75	117	251407	50.220	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	304335	51.310	ug/l	99
40) Benzene	6.11	78	704918	48.916	ug/l	100
41) Methacrylonitrile	5.00	41	145297	47.131	ug/l	99
42) 1,2-Dichloroethane	6.16	62	250475	48.249	ug/l	99
43) Isopropyl Acetate	6.41	43	438203	48.112	ug/l	99
44) Trichloroethene	7.19	130	251722	49.168	ug/l	98
45) 1,2-Dichloropropane	7.49	63	182021	49.917	ug/l	100
46) Dibromomethane	7.63	93	120477	48.618	ug/l	100
47) Bromodichloromethane	7.87	83	252509	50.033	ug/l	100
48) Methyl methacrylate	7.74	41	207802	48.149	ug/l	99
49) 1,4-Dioxane	7.71	88	95754	925.090	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1344035	241.144	ug/l	99
52) Toluene	8.76	92	450717	50.177	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	300044	49.863	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	314655	50.062	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	174293	49.318	ug/l	98
56) Ethyl methacrylate	9.16	69	292538	50.711	ug/l	98
57) 1,3-Dichloropropane	9.35	76	307638	49.888	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	866159	282.034	ug/l	100
59) 2-Hexanone	9.47	43	1049482	239.768	ug/l	99
60) Dibromochloromethane	9.57	129	200321	51.467	ug/l	100
61) 1,2-Dibromoethane	9.65	107	190703	49.818	ug/l	99
64) Tetrachloroethene	9.32	164	288491	50.037	ug/l	99
65) Chlorobenzene	10.12	112	480750	48.887	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	179277	49.323	ug/l	99
67) Ethyl Benzene	10.23	91	864954	49.296	ug/l	99
68) m/p-Xylenes	10.34	106	655072	99.647	ug/l	99
69) o-Xylene	10.68	106	315881	49.988	ug/l	100
70) Styrene	10.70	104	546816	51.007	ug/l	100
71) Bromoform	10.84	173	152905	51.634	ug/l #	100
73) Isopropylbenzene	11.00	105	856646	49.450	ug/l	99
74) N-amyl acetate	10.88	43	380078	47.037	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	151227	45.095	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	259227m	47.963	ug/l	
77) Bromobenzene	11.24	156	213482	47.743	ug/l	99
78) n-propylbenzene	11.34	91	1004373	49.837	ug/l	100
79) 2-Chlorotoluene	11.40	91	574721	48.313	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	728154	49.783	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	109851	48.436	ug/l #	93
82) 4-Chlorotoluene	11.49	91	693168	49.344	ug/l	100
83) tert-Butylbenzene	11.76	119	623290	49.447	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	727729	49.212	ug/l	100
85) sec-Butylbenzene	11.93	105	854762	50.223	ug/l	100
86) p-Isopropyltoluene	12.05	119	801076	50.696	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	383001	47.704	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	385078	47.255	ug/l	99
89) n-Butylbenzene	12.37	91	736972	51.052	ug/l	99
90) Hexachloroethane	12.58	117	135345	49.873	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	371657	48.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	62402	43.808	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	280243	48.963	ug/l	98
94) Hexachlorobutadiene	13.77	225	135017	54.733	ug/l	98
95) Naphthalene	13.82	128	885383	47.773	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	271679	48.568	ug/l	100

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

