

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015786.D
 Acq On : 21 Apr 2020 11:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 10:02:08 AM

Quant Time: Apr 21 16:26:58 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	5.63	168	1009778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1475183	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1340664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	755108	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	590672	41.47	ug/l	0.00
Spiked Amount			Recovery	=	82.94%	
35) Dibromofluoromethane	5.47	113	470307	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
50) Toluene-d8	8.70	98	1746167	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.12	95	705469	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	401702	45.154	ug/l	99
3) Chloromethane	1.31	50	423289	37.362	ug/l	99
4) Vinyl Chloride	1.39	62	501550	48.212	ug/l	98
5) Bromomethane	1.62	94	147986	27.167	ug/l	99
6) Chloroethane	1.70	64	317845	49.264	ug/l	99
7) Trichlorofluoromethane	1.91	101	708994	50.820	ug/l	99
8) Diethyl Ether	2.17	74	289561	49.208	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	487340	53.584	ug/l	97
10) Methyl Iodide	2.49	142	347119	28.308	ug/l	98
11) Tert butyl alcohol	3.01	59	646809	189.744	ug/l	100
12) 1,1-Dichloroethene	2.36	96	462574	48.522	ug/l	97
13) Acrolein	2.27	56	404360	208.236	ug/l	99
14) Allyl chloride	2.70	41	1004041	45.074	ug/l	99
15) Acrylonitrile	3.11	53	1540580	236.978	ug/l	100
16) Acetone	2.42	43	2031493	332.019	ug/l	98
17) Carbon Disulfide	2.55	76	1246420	42.859	ug/l	99
18) Methyl Acetate	2.75	43	772548	49.470	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	1780300	48.150	ug/l	99
20) Methylene Chloride	2.83	84	541430	47.375	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	506692	47.890	ug/l	97
22) Diisopropyl ether	3.83	45	1941897	49.197	ug/l	93
23) Vinyl Acetate	3.78	43	8398907	235.012	ug/l	100
24) 1,1-Dichloroethane	3.67	63	994499	47.853	ug/l	99
25) 2-Butanone	4.64	43	2521556	256.255	ug/l	99
26) 2,2-Dichloropropane	4.55	77	888159	52.065	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	613183	50.094	ug/l	98
28) Bromochloromethane	4.98	49	422696	42.599	ug/l	94
29) Tetrahydrofuran	5.09	42	1412293	223.256	ug/l	98
30) Chloroform	5.18	83	974604	48.743	ug/l	94
31) Cyclohexane	5.55	56	859729	47.686	ug/l	98
32) 1,1,1-Trichloroethane	5.47	97	865266	47.817	ug/l	99
36) 1,1-Dichloropropene	5.77	75	730515	53.745	ug/l	99
37) Ethyl Acetate	4.80	43	865357	48.896	ug/l	99
38) Carbon Tetrachloride	5.76	117	765499	51.998	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	854429	54.520	ug/l	97
40) Benzene	6.12	78	2138994	53.723	ug/l	97
41) Methacrylonitrile	5.00	41	510135	51.925	ug/l	98
42) 1,2-Dichloroethane	6.16	62	806461	50.426	ug/l	97
43) Isopropyl Acetate	6.41	43	1490157	49.878	ug/l	98
44) Trichloroethene	7.19	130	615610	56.693	ug/l	90
45) 1,2-Dichloropropane	7.49	63	585356	53.742	ug/l	97
46) Dibromomethane	7.64	93	380978	53.322	ug/l	95
47) Bromodichloromethane	7.87	83	799780	52.533	ug/l	98
48) Methyl methacrylate	7.75	41	744133	49.866	ug/l	96
49) 1,4-Dioxane	7.72	88	247565	889.295	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	4388642	259.202	ug/l	99
52) Toluene	8.77	92	1380891	56.255	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	920493	51.553	ug/l	95
54) cis-1,3-Dichloropropene	8.42	75	966451	53.136	ug/l	95
55) 1,1,2-Trichloroethane	9.20	97	559551	55.638	ug/l	99
56) Ethyl methacrylate	9.16	69	936991	52.865	ug/l	95
57) 1,3-Dichloropropane	9.36	76	966495	53.340	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1754413	203.501	ug/l	99
59) 2-Hexanone	9.47	43	3479279	272.184	ug/l	98
60) Dibromochloromethane	9.57	129	662868	54.851	ug/l	100
61) 1,2-Dibromoethane	9.65	107	592628	54.193	ug/l	99
64) Tetrachloroethene	9.32	164	538758	53.249	ug/l	94
65) Chlorobenzene	10.12	112	1546625	57.846	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	603580	56.507	ug/l	99
67) Ethyl Benzene	10.24	91	2696500	56.864	ug/l	97
68) m/p-Xylenes	10.34	106	2037430	115.384	ug/l	97
69) o-Xylene	10.68	106	995039	57.026	ug/l	98
70) Styrene	10.70	104	1759168	57.294	ug/l	98
71) Bromoform	10.84	173	518417	53.314	ug/l #	98
73) Isopropylbenzene	11.00	105	2681074	54.189	ug/l	100
74) N-amyl acetate	10.88	43	1299953	47.241	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	872805	51.411	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	781944m	50.356	ug/l	
77) Bromobenzene	11.24	156	721739	54.689	ug/l	94
78) n-propylbenzene	11.35	91	3051674	53.941	ug/l	99
79) 2-Chlorotoluene	11.41	91	1833342	52.871	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	2278687	53.928	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	305653	47.230	ug/l	96
82) 4-Chlorotoluene	11.50	91	2157382	53.071	ug/l	99
83) tert-Butylbenzene	11.76	119	2269872	54.996	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	2325739	54.013	ug/l	99
85) sec-Butylbenzene	11.93	105	2645342	55.418	ug/l	100
86) p-Isopropyltoluene	12.05	119	2507142	56.577	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	1325659	56.111	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	1352371	56.197	ug/l	99
89) n-Butylbenzene	12.37	91	2217452	55.373	ug/l	98
90) Hexachloroethane	12.58	117	428921	49.729	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	1248485	53.998	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	203052	42.376	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	1083832	59.263	ug/l	96
94) Hexachlorobutadiene	13.77	225	452477	51.965	ug/l	97
95) Naphthalene	13.82	128	2947659	52.839	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	1025052	58.215	ug/l	97

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

