

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\
 Data File : VX015855.D
 Acq On : 22 Apr 2020 20:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 12:15:11 PM

Quant Time: Apr 23 07:09:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	885109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1352917	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1292647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	683187	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	526880	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	5.47	113	398926	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	8.70	98	1610825	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.12	95	662608	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	419381	55.354	ug/l	99
3) Chloromethane	1.31	50	395176	50.929	ug/l	99
4) Vinyl Chloride	1.39	62	434016	48.324	ug/l	100
5) Bromomethane	1.62	94	161380	53.574	ug/l	100
6) Chloroethane	1.71	64	251969	49.232	ug/l	99
7) Trichlorofluoromethane	1.92	101	570652	51.210	ug/l	98
8) Diethyl Ether	2.17	74	218457	48.343	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	367495	48.616	ug/l	99
10) Methyl Iodide	2.49	142	435377	46.619	ug/l	99
11) Tert butyl alcohol	3.01	59	513598	249.703	ug/l	100
12) 1,1-Dichloroethene	2.36	96	382551	49.346	ug/l	99
13) Acrolein	2.27	56	288729	237.242	ug/l	99
14) Allyl chloride	2.71	41	814168	49.422	ug/l	98
15) Acrylonitrile	3.12	53	1219122	255.355	ug/l	100
16) Acetone	2.42	43	1000190	228.179	ug/l	99
17) Carbon Disulfide	2.55	76	1000447	35.536	ug/l	99
18) Methyl Acetate	2.75	43	695651	48.073	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	1413204	51.636	ug/l	99
20) Methylene Chloride	2.84	84	437581	49.175	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	422794	49.153	ug/l	98
22) Diisopropyl ether	3.83	45	1523657	51.315	ug/l	93
23) Vinyl Acetate	3.79	43	6247094	254.208	ug/l	100
24) 1,1-Dichloroethane	3.67	63	785384	50.748	ug/l	99
25) 2-Butanone	4.64	43	1734297	250.321	ug/l	99
26) 2,2-Dichloropropane	4.56	77	656260	47.471	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	499395	51.140	ug/l	97
28) Bromochloromethane	4.99	49	372490	45.870	ug/l	# 98
29) Tetrahydrofuran	5.09	42	1138556	248.452	ug/l	99
30) Chloroform	5.18	83	775456	49.802	ug/l	96
31) Cyclohexane	5.55	56	732823	49.825	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	712244	51.303	ug/l	100
36) 1,1-Dichloropropene	5.78	75	597103	49.784	ug/l	100
37) Ethyl Acetate	4.80	43	688054	48.202	ug/l	99
38) Carbon Tetrachloride	5.76	117	605042	51.214	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	714733	47.057	ug/l	98
40) Benzene	6.12	78	1772997	49.081	ug/l	100
41) Methacrylonitrile	5.00	41	400718	50.520	ug/l	100
42) 1,2-Dichloroethane	6.17	62	635636	48.865	ug/l	99
43) Isopropyl Acetate	6.42	43	1186262	49.267	ug/l	99
44) Trichloroethene	7.19	130	610430	48.084	ug/l	98
45) 1,2-Dichloropropane	7.50	63	474577	50.131	ug/l	99
46) Dibromomethane	7.64	93	329790	47.722	ug/l	97
47) Bromodichloromethane	7.88	83	620894	50.504	ug/l	99
48) Methyl methacrylate	7.75	41	590408	49.848	ug/l	99
49) 1,4-Dioxane	7.72	88	207507	927.033	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	3455471	248.626	ug/l	100
52) Toluene	8.76	92	1140162	49.241	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	756297	49.580	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	782711	48.549	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	453768	50.188	ug/l	100
56) Ethyl methacrylate	9.16	69	753324	49.190	ug/l	99
57) 1,3-Dichloropropane	9.36	76	777830	49.507	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1917479	250.633	ug/l	99
59) 2-Hexanone	9.48	43	2600194	245.584	ug/l	100
60) Dibromochloromethane	9.57	129	490567	52.540	ug/l	96
61) 1,2-Dibromoethane	9.65	107	483154	48.351	ug/l	99
64) Tetrachloroethene	9.32	164	774228	44.436	ug/l	96
65) Chlorobenzene	10.12	112	1220332	47.210	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	482620	49.949	ug/l	99
67) Ethyl Benzene	10.24	91	2175246	47.921	ug/l	99
68) m/p-Xylenes	10.34	106	1634832	95.951	ug/l	99
69) o-Xylene	10.68	106	814258	48.565	ug/l	99
70) Styrene	10.70	104	1434160	49.401	ug/l	99
71) Bromoform	10.84	173	340223	54.036	ug/l	96
73) Isopropylbenzene	11.00	105	2160773	49.800	ug/l	99
74) N-amyl acetate	10.88	43	1084614	48.421	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	463364	50.461	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	648549m	49.922	ug/l	
77) Bromobenzene	11.24	156	591980	49.934	ug/l	99
78) n-propylbenzene	11.34	91	2458243	49.457	ug/l	99
79) 2-Chlorotoluene	11.40	91	1483657	49.693	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1836841	49.648	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	257727	47.722	ug/l	99
82) 4-Chlorotoluene	11.50	91	1755218	49.473	ug/l	98
83) tert-Butylbenzene	11.76	119	1615390	49.223	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	1877676	48.885	ug/l	99
85) sec-Butylbenzene	11.93	105	2129588	49.226	ug/l	100
86) p-Isopropyltoluene	12.05	119	1978855	48.918	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	1028402	47.256	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	1022523	46.938	ug/l	97
89) n-Butylbenzene	12.37	91	1705080	47.144	ug/l	98
90) Hexachloroethane	12.58	117	269935	63.166	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	985855	47.763	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	136455	50.109	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	793996	48.822	ug/l	96
94) Hexachlorobutadiene	13.77	225	363863	49.901	ug/l	94
95) Naphthalene	13.82	128	2261126	48.326	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	770496	48.561	ug/l	98

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

