

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041620\
 Data File : VX015701.D
 Acq On : 16 Apr 2020 10:23
 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
 4/17/2020 11:55:25 AM

Quant Time: Apr 17 07:02:11 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	1041970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1494284	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1395132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	754626	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	640907	43.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.22%	
35) Dibromofluoromethane	5.46	113	504990	52.87	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	8.70	98	1872167	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
62) 4-Bromofluorobenzene	11.12	95	757006	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	399741	43.545	ug/l	99
3) Chloromethane	1.31	50	487019	41.659	ug/l	100
4) Vinyl Chloride	1.39	62	491850	45.819	ug/l	99
5) Bromomethane	1.62	94	253147	51.383	ug/l	97
6) Chloroethane	1.71	64	308381	46.320	ug/l	100
7) Trichlorofluoromethane	1.92	101	689414	47.889	ug/l	99
8) Diethyl Ether	2.17	74	283704	46.723	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	467024	49.764	ug/l	98
10) Methyl Iodide	2.49	142	488998	38.647	ug/l	98
11) Tert butyl alcohol	3.01	59	616941	175.390	ug/l	100
12) 1,1-Dichloroethene	2.36	96	438497	44.575	ug/l	100
13) Acrolein	2.27	56	591001	294.949	ug/l	99
14) Allyl chloride	2.70	41	973487	42.352	ug/l	99
15) Acrylonitrile	3.11	53	1410025	210.195	ug/l	100
16) Acetone	2.42	43	1634899	258.946	ug/l	99
17) Carbon Disulfide	2.55	76	1186496	39.538	ug/l	99
18) Methyl Acetate	2.75	43	688754	42.742	ug/l	98
19) Methyl tert-butyl Ether	3.16	73	1668387	43.729	ug/l	99
20) Methylene Chloride	2.83	84	508092	43.084	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	485450	44.465	ug/l	95
22) Diisopropyl ether	3.82	45	1831820	44.974	ug/l	98
23) Vinyl Acetate	3.78	43	7913185	214.580	ug/l	100
24) 1,1-Dichloroethane	3.67	63	935865	43.640	ug/l	100
25) 2-Butanone	4.63	43	2206613	217.321	ug/l	99
26) 2,2-Dichloropropane	4.55	77	847444	48.143	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	576341	45.629	ug/l	99
28) Bromochloromethane	4.98	49	440827	43.054	ug/l	95
29) Tetrahydrofuran	5.09	42	1293033	198.088	ug/l	99
30) Chloroform	5.17	83	915726	44.383	ug/l	94
31) Cyclohexane	5.54	56	837808	45.035	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	838277	44.895	ug/l	99
36) 1,1-Dichloropropene	5.77	75	697701	50.675	ug/l	99
37) Ethyl Acetate	4.79	43	790457	44.093	ug/l	100
38) Carbon Tetrachloride	5.75	117	739374	49.581	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	846709	53.337	ug/l	98
40) Benzene	6.11	78	2035789	50.477	ug/l	98
41) Methacrylonitrile	5.00	41	455625	45.784	ug/l	97
42) 1,2-Dichloroethane	6.16	62	780053	48.151	ug/l	99
43) Isopropyl Acetate	6.41	43	1382051	45.668	ug/l	99
44) Trichloroethene	7.18	130	591655	53.791	ug/l	93
45) 1,2-Dichloropropane	7.49	63	547511	49.625	ug/l	97
46) Dibromomethane	7.64	93	359038	49.609	ug/l	95
47) Bromodichloromethane	7.87	83	756960	49.085	ug/l	96
48) Methyl methacrylate	7.75	41	685669	45.361	ug/l	96
49) 1,4-Dioxane	7.72	88	260270	922.983	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	4018113	234.284	ug/l	100
52) Toluene	8.76	92	1300824	52.316	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	868675	48.029	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	919339	49.899	ug/l	94
55) 1,1,2-Trichloroethane	9.20	97	524674	51.503	ug/l	98
56) Ethyl methacrylate	9.16	69	867052	48.294	ug/l	96
57) 1,3-Dichloropropane	9.35	76	905404	49.329	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	2192310	251.043	ug/l	99
59) 2-Hexanone	9.47	43	3120924	241.029	ug/l	98
60) Dibromochloromethane	9.56	129	618271	50.507	ug/l	100
61) 1,2-Dibromoethane	9.65	107	545903	49.282	ug/l	98
64) Tetrachloroethene	9.32	164	553759	52.595	ug/l	93
65) Chlorobenzene	10.12	112	1421935	51.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	556098	50.029	ug/l	98
67) Ethyl Benzene	10.23	91	2539820	51.469	ug/l	100
68) m/p-Xylenes	10.34	106	1909003	103.890	ug/l	100
69) o-Xylene	10.68	106	936259	51.563	ug/l	100
70) Styrene	10.70	104	1649886	51.637	ug/l	98
71) Bromoform	10.84	173	485456	47.975	ug/l #	98
73) Isopropylbenzene	11.00	105	2497373	50.508	ug/l	98
74) N-amyl acetate	10.88	43	1179815	42.902	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	792987	46.739	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	734874m	47.355	ug/l	
77) Bromobenzene	11.24	156	670875	50.867	ug/l	95
78) n-propylbenzene	11.34	91	2896351	51.228	ug/l	99
79) 2-Chlorotoluene	11.40	91	1720947	49.661	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	2182699	51.689	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	281473	43.522	ug/l	98
82) 4-Chlorotoluene	11.49	91	2050791	50.481	ug/l	98
83) tert-Butylbenzene	11.76	119	2191655	53.135	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	2231489	51.857	ug/l	99
85) sec-Butylbenzene	11.93	105	2536799	53.178	ug/l	99
86) p-Isopropyltoluene	12.05	119	2414474	54.520	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	1250845	52.978	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	1247254	51.862	ug/l	98
89) n-Butylbenzene	12.37	91	2188435	54.684	ug/l	100
90) Hexachloroethane	12.58	117	415301	48.181	ug/l	94
91) 1,2-Dichlorobenzene	12.37	146	1216489	52.648	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	190336	39.747	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	992396	54.298	ug/l	99
94) Hexachlorobutadiene	13.76	225	475143	54.603	ug/l	97
95) Naphthalene	13.82	128	2764763	49.592	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	964536	54.813	ug/l	98

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

