

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO050319\
 Data File : VX009336.D
 Acq On : 04 May 2019 01:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:25:14 AM

Quant Time: May 04 02:30:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	167696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	277635	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123695	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	115720	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	5.49	113	85766	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	8.71	98	347893	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.13	95	126625	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	71792	46.457	ug/l	99
3) Chloromethane	1.32	50	96886	45.922	ug/l	100
4) Vinyl Chloride	1.41	62	98175	47.720	ug/l	99
5) Bromomethane	1.64	94	62778	50.840	ug/l	97
6) Chloroethane	1.71	64	63991	48.446	ug/l	98
7) Trichlorofluoromethane	1.92	101	123152	49.246	ug/l	98
8) Diethyl Ether	2.19	74	57834	48.823	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76134	48.480	ug/l	99
10) Methyl Iodide	2.51	142	80145	44.482	ug/l	100
11) Tert butyl alcohol	3.05	59	127039	239.739	ug/l	99
12) 1,1-Dichloroethene	2.37	96	76452	48.588	ug/l	99
13) Acrolein	2.29	56	109872	228.948	ug/l	99
14) Allyl chloride	2.73	41	180990	47.200	ug/l	100
15) Acrylonitrile	3.14	53	324206	250.225	ug/l	100
16) Acetone	2.45	43	274455	223.273	ug/l	98
17) Carbon Disulfide	2.57	76	199112	45.072	ug/l	99
18) Methyl Acetate	2.78	43	147184	50.347	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	305266	49.960	ug/l	99
20) Methylene Chloride	2.85	84	93382	46.918	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	81675	47.863	ug/l	97
22) Diisopropyl ether	3.85	45	369830	50.151	ug/l	98
23) Vinyl Acetate	3.81	43	1619206	256.418	ug/l	100
24) 1,1-Dichloroethane	3.70	63	177626	48.827	ug/l	99
25) 2-Butanone	4.67	43	473243	247.746	ug/l	100
26) 2,2-Dichloropropane	4.59	77	106173	39.210	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	98603	48.410	ug/l	98
28) Bromochloromethane	5.01	49	75118	51.371	ug/l	100
29) Tetrahydrofuran	5.13	42	312325	254.087	ug/l	99
30) Chloroform	5.21	83	164407	49.969	ug/l	98
31) Cyclohexane	5.58	56	162357	47.970	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	135311	49.403	ug/l	99
36) 1,1-Dichloropropene	5.80	75	121853	47.228	ug/l	99
37) Ethyl Acetate	4.83	43	178744	49.722	ug/l	99
38) Carbon Tetrachloride	5.78	117	112214	47.869	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	143521	45.295	ug/l	99
40) Benzene	6.14	78	380793	47.689	ug/l	100
41) Methacrylonitrile	5.04	41	103636	48.430	ug/l	99
42) 1,2-Dichloroethane	6.19	62	138472	48.344	ug/l	100
43) Isopropyl Acetate	6.45	43	285893	49.719	ug/l	100
44) Trichloroethene	7.21	130	89430	46.328	ug/l	98
45) 1,2-Dichloropropane	7.51	63	108638	48.048	ug/l	100
46) Dibromomethane	7.66	93	61799	47.067	ug/l	98
47) Bromodichloromethane	7.90	83	127478	48.673	ug/l	100
48) Methyl methacrylate	7.77	41	143419	50.273	ug/l	99
49) 1,4-Dioxane	7.74	88	50116	866.248	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	937679	249.488	ug/l	100
52) Toluene	8.79	92	229992	47.383	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	142602	48.226	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	156334	47.766	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	95412	48.182	ug/l	97
56) Ethyl methacrylate	9.18	69	176632	49.969	ug/l	99
57) 1,3-Dichloropropane	9.37	76	167056	47.940	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	466261	248.644	ug/l	100
59) 2-Hexanone	9.49	43	737189	249.741	ug/l	100
60) Dibromochloromethane	9.58	129	95657	49.459	ug/l	98
61) 1,2-Dibromoethane	9.67	107	97121	48.587	ug/l	99
64) Tetrachloroethene	9.34	164	83024	48.208	ug/l	98
65) Chlorobenzene	10.14	112	239955	47.776	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	88191	48.434	ug/l	99
67) Ethyl Benzene	10.25	91	443758	48.009	ug/l	100
68) m/p-Xylenes	10.36	106	325079	96.241	ug/l	99
69) o-Xylene	10.69	106	159755	47.936	ug/l	100
70) Styrene	10.71	104	282924	48.844	ug/l	99
71) Bromoform	10.85	173	72976	49.318	ug/l #	100
73) Isopropylbenzene	11.02	105	428324	47.618	ug/l	99
74) N-amyl acetate	10.90	43	265140	50.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	162815	48.555	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	140908m	49.109	ug/l	
77) Bromobenzene	11.26	156	106640	47.765	ug/l	99
78) n-propylbenzene	11.36	91	488398	47.543	ug/l	100
79) 2-Chlorotoluene	11.42	91	294273	46.432	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	362842	47.908	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	51120	45.586	ug/l	99
82) 4-Chlorotoluene	11.51	91	337847	47.186	ug/l	99
83) tert-Butylbenzene	11.77	119	351772	47.745	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	366859	48.257	ug/l	99
85) sec-Butylbenzene	11.94	105	411430	47.101	ug/l	100
86) p-Isopropyltoluene	12.06	119	375876	47.866	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	188672	47.405	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	189090	47.125	ug/l	99
89) n-Butylbenzene	12.38	91	336943	47.473	ug/l	100
90) Hexachloroethane	12.60	117	64361	48.108	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	193555	47.747	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36910	49.068	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	137843	49.725	ug/l	98
94) Hexachlorobutadiene	13.78	225	65996	46.620	ug/l	100
95) Naphthalene	13.83	128	453910	50.329	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	137159	48.811	ug/l	100

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

