

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050719\
 Data File : VX009387.D
 Acq On : 07 May 2019 19:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:40:46 AM

Quant Time: May 08 03:23:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 08:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	163224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	265616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	240370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110172	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	5.50	113	83102	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	8.71	98	335625	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.13	95	123176	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68045	45.239	ug/l	99
3) Chloromethane	1.32	50	78858	38.401	ug/l	100
4) Vinyl Chloride	1.40	62	89747	44.819	ug/l	98
5) Bromomethane	1.64	94	39060	32.499	ug/l	94
6) Chloroethane	1.71	64	65283	50.778	ug/l	100
7) Trichlorofluoromethane	1.92	101	119359	49.036	ug/l	99
8) Diethyl Ether	2.19	74	56239	48.777	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74622	48.819	ug/l	97
10) Methyl Iodide	2.50	142	47762	29.016	ug/l	99
11) Tert butyl alcohol	3.06	59	147397	285.778	ug/l	100
12) 1,1-Dichloroethene	2.37	96	72585	47.394	ug/l	97
13) Acrolein	2.29	56	88403	189.259	ug/l	99
14) Allyl chloride	2.72	41	175628	47.056	ug/l	100
15) Acrylonitrile	3.15	53	331030	262.492	ug/l	100
16) Acetone	2.45	43	297170	248.375	ug/l	99
17) Carbon Disulfide	2.56	76	184715	42.959	ug/l	99
18) Methyl Acetate	2.78	43	148511	52.193	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	297456	50.016	ug/l	98
20) Methylene Chloride	2.85	84	89372	46.134	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	78050	46.992	ug/l	99
22) Diisopropyl ether	3.86	45	351915	49.029	ug/l	94
23) Vinyl Acetate	3.82	43	1581338	257.283	ug/l	100
24) 1,1-Dichloroethane	3.70	63	171060	48.311	ug/l	99
25) 2-Butanone	4.68	43	497989	267.843	ug/l	100
26) 2,2-Dichloropropane	4.58	77	115366	43.773	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	95508	48.175	ug/l	99
28) Bromochloromethane	5.01	49	67643	47.310	ug/l	100
29) Tetrahydrofuran	5.13	42	326612	272.990	ug/l	100
30) Chloroform	5.21	83	158854	49.604	ug/l	98
31) Cyclohexane	5.58	56	156118	47.391	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	130606	48.991	ug/l	99
36) 1,1-Dichloropropene	5.80	75	115400	46.751	ug/l	99
37) Ethyl Acetate	4.84	43	182101	52.948	ug/l	99
38) Carbon Tetrachloride	5.79	117	108884	48.550	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	143158	47.225	ug/l	100
40) Benzene	6.14	78	363247	47.550	ug/l	100
41) Methacrylonitrile	5.04	41	101279	49.470	ug/l	98
42) 1,2-Dichloroethane	6.20	62	133832	48.838	ug/l	99
43) Isopropyl Acetate	6.45	43	284558	51.726	ug/l	100
44) Trichloroethene	7.21	130	86880	47.043	ug/l	99
45) 1,2-Dichloropropane	7.51	63	105003	48.542	ug/l	99
46) Dibromomethane	7.66	93	59991	47.758	ug/l	98
47) Bromodichloromethane	7.90	83	125379	50.038	ug/l	97
48) Methyl methacrylate	7.77	41	143582	52.608	ug/l	99
49) 1,4-Dioxane	7.74	88	59621	1077.172	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	979184	272.320	ug/l	100
52) Toluene	8.79	92	221243	47.644	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	141213	49.917	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	153799	49.118	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	93251	49.222	ug/l	95
56) Ethyl methacrylate	9.18	69	176695	52.249	ug/l	99
57) 1,3-Dichloropropane	9.37	76	165762	49.721	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	463354	258.275	ug/l	99
59) 2-Hexanone	9.49	43	770628	272.883	ug/l	99
60) Dibromochloromethane	9.59	129	95648	51.692	ug/l	100
61) 1,2-Dibromoethane	9.67	107	94917	49.633	ug/l	99
64) Tetrachloroethene	9.34	164	76358	46.310	ug/l	98
65) Chlorobenzene	10.14	112	236335	49.150	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	88359	50.686	ug/l	98
67) Ethyl Benzene	10.25	91	431592	48.771	ug/l	100
68) m/p-Xylenes	10.36	106	318747	98.565	ug/l	100
69) o-Xylene	10.70	106	156144	48.937	ug/l	99
70) Styrene	10.71	104	280005	50.491	ug/l	100
71) Bromoform	10.85	173	74334	52.471	ug/l #	100
73) Isopropylbenzene	11.02	105	423361	48.706	ug/l	100
74) N-amyl acetate	10.90	43	262639	51.827	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	164669	50.819	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	138542m	49.967	ug/l	
77) Bromobenzene	11.26	156	105465	48.885	ug/l	99
78) n-propylbenzene	11.36	91	479329	48.286	ug/l	100
79) 2-Chlorotoluene	11.42	91	290337	47.407	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	356809	48.752	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52978	48.888	ug/l	99
82) 4-Chlorotoluene	11.51	91	334339	48.323	ug/l	100
83) tert-Butylbenzene	11.77	119	356019	50.005	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	355510	48.393	ug/l	100
85) sec-Butylbenzene	11.94	105	410822	48.670	ug/l	99
86) p-Isopropyltoluene	12.06	119	371932	49.013	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	187839	48.840	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	185452	47.828	ug/l	99
89) n-Butylbenzene	12.38	91	335142	48.864	ug/l	100
90) Hexachloroethane	12.60	117	63534	49.144	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	191540	48.896	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38669	53.198	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	131968	49.264	ug/l	100
94) Hexachlorobutadiene	13.78	225	66854	48.871	ug/l	99
95) Naphthalene	13.83	128	451849	51.846	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	137603	50.675	ug/l	99

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

