

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050118\
 Data File : VX001284.D
 Acq On : 01 May 2018 17:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 4:20:56 PM

Quant Time: May 02 05:13:13 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	202499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	262300	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	250582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	178646	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	127402	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
35) Dibromofluoromethane	5.51	113	108737	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	8.72	98	412272	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.14	95	161376	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	113757	50.78	ug/l	99
3) Chloromethane	1.32	50	107765	49.00	ug/l	98
4) Vinyl Chloride	1.40	62	110067	47.55	ug/l	98
5) Bromomethane	1.64	94	89143	51.70	ug/l	98
6) Chloroethane	1.72	64	69374	47.41	ug/l	99
7) Trichlorofluoromethane	1.93	101	193427	49.51	ug/l	99
8) Diethyl Ether	2.19	74	64948	48.41	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	111230	49.37	ug/l	99
10) Methyl Iodide	2.51	142	101007	41.91	ug/l	99
11) Tert butyl alcohol	3.08	59	126476	262.25	ug/l	100
12) 1,1-Dichloroethene	2.37	96	96627	47.57	ug/l	98
13) Acrolein	2.29	56	59574	214.54	ug/l	99
14) Allyl chloride	2.73	41	172518	48.54	ug/l	99
15) Acrylonitrile	3.15	53	273450	244.64	ug/l	100
16) Acetone	2.45	43	280387	234.33	ug/l	100
17) Carbon Disulfide	2.57	76	243596	46.03	ug/l	98
18) Methyl Acetate	2.78	43	142153	50.30	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	335785	48.53	ug/l	100
20) Methylene Chloride	2.86	84	106063	49.10	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	103676	46.89	ug/l	99
22) Diisopropyl ether	3.88	45	315923	46.16	ug/l	98
23) Vinyl Acetate	3.83	43	1353888	233.43	ug/l	99
24) 1,1-Dichloroethane	3.70	63	185782	48.73	ug/l	99
25) 2-Butanone	4.71	43	381968	236.10	ug/l	99
26) 2,2-Dichloropropane	4.59	77	145172	46.79	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	112093	46.13	ug/l	98
28) Bromochloromethane	5.03	49	86015	50.19	ug/l	100
29) Tetrahydrofuran	5.17	42	239281	240.49	ug/l	99
30) Chloroform	5.22	83	187854	46.61	ug/l	99
31) Cyclohexane	5.58	56	160700	46.67	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	168150	47.74	ug/l	99
36) 1,1-Dichloropropene	5.80	75	142134	46.95	ug/l	99
37) Ethyl Acetate	4.87	43	147438	48.23	ug/l	100
38) Carbon Tetrachloride	5.79	117	152867	48.20	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175921	49.13	ug/l	99
40) Benzene	6.15	78	410308	47.11	ug/l	98
41) Methacrylonitrile	5.07	41	84428	47.42	ug/l	99
42) 1,2-Dichloroethane	6.20	62	156201	46.32	ug/l	99
43) Isopropyl Acetate	6.48	43	243228	49.15	ug/l	99
44) Trichloroethene	7.22	130	124894	46.85	ug/l	98
45) 1,2-Dichloropropane	7.52	63	104018	46.51	ug/l	99
46) Dibromomethane	7.67	93	74009	47.21	ug/l	99
47) Bromodichloromethane	7.90	83	139549	49.79	ug/l	97
48) Methyl methacrylate	7.78	41	128939	49.01	ug/l	99
49) 1,4-Dioxane	7.76	88	53112	1069.80	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	807553	253.11	ug/l	99
52) Toluene	8.79	92	273394	48.03	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	164829	49.45	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	156149	50.92	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	111768	48.60	ug/l	99
56) Ethyl methacrylate	9.19	69	162189	50.90	ug/l	99
57) 1,3-Dichloropropane	9.38	76	179506	48.53	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	398191	259.03	ug/l	100
59) 2-Hexanone	9.51	43	630180	252.71	ug/l	99
60) Dibromochloromethane	9.59	129	123884	51.65	ug/l	98
61) 1,2-Dibromoethane	9.68	107	120032	49.25	ug/l	99
64) Tetrachloroethene	9.34	164	143868	48.46	ug/l	97
65) Chlorobenzene	10.14	112	325084	47.70	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	118896	50.26	ug/l	99
67) Ethyl Benzene	10.26	91	541899	48.25	ug/l	99
68) m/p-Xylenes	10.37	106	439184	99.39	ug/l	100
69) o-Xylene	10.70	106	209929	48.98	ug/l	99
70) Styrene	10.72	104	350251	49.97	ug/l	100
71) Bromoform	10.87	173	103070	45.49	ug/l	99
73) Isopropylbenzene	11.02	105	577519	48.32	ug/l	99
74) N-amyl acetate	6.48	43	243228	47.44	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	170244	47.55	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	164058m	49.66	ug/l	
77) Bromobenzene	11.26	156	164141	47.62	ug/l	100
78) n-propylbenzene	11.37	91	655481	49.35	ug/l	100
79) 2-Chlorotoluene	11.43	91	385703	48.13	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	501025	49.92	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	45644	45.38	ug/l	100
82) 4-Chlorotoluene	11.52	91	465128	48.25	ug/l	99
83) tert-Butylbenzene	11.77	119	486698	48.63	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	515795	50.15	ug/l	100
85) sec-Butylbenzene	11.95	105	604443	50.48	ug/l	100
86) p-Isopropyltoluene	12.07	119	564646	51.40	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	304433	47.30	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	310393	46.78	ug/l	100
89) n-Butylbenzene	12.40	91	493188	51.44	ug/l	100
90) Hexachloroethane	12.60	117	81927	51.50	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	304567	47.55	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	38762	53.57	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	245266	47.60	ug/l	99
94) Hexachlorobutadiene	13.79	225	130920	48.56	ug/l	100
95) Naphthalene	13.84	128	650920	49.79	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	245818	48.60	ug/l	99

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

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