

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\
 Data File : VX001782.D
 Acq On : 17 May 2018 10:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 12:52:48 PM

Quant Time: May 18 04:11:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	325712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	402988	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220981	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	200717	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
35) Dibromofluoromethane	5.51	113	179955	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	8.72	98	671658	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
62) 4-Bromofluorobenzene	11.14	95	216127	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	153105	46.84	ug/l	100
3) Chloromethane	1.32	50	172151	48.76	ug/l	99
4) Vinyl Chloride	1.40	62	179801	47.10	ug/l	100
5) Bromomethane	1.64	94	71905	44.40	ug/l	97
6) Chloroethane	1.72	64	116283	48.36	ug/l	98
7) Trichlorofluoromethane	1.93	101	265784	47.92	ug/l	99
8) Diethyl Ether	2.19	74	110138	48.24	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	166480	49.86	ug/l	99
10) Methyl Iodide	2.51	142	209198	68.09	ug/l	99
11) Tert butyl alcohol	3.07	59	183422	236.64	ug/l	99
12) 1,1-Dichloroethene	2.37	96	149046	46.30	ug/l	99
13) Acrolein	2.29	56	118564	215.68	ug/l	100
14) Allyl chloride	2.73	41	288759	48.53	ug/l	99
15) Acrylonitrile	3.15	53	454513	233.47	ug/l	99
16) Acetone	2.45	43	447287	260.85	ug/l	99
17) Carbon Disulfide	2.57	76	371330	44.22	ug/l	99
18) Methyl Acetate	2.78	43	246277	49.13	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	517088	47.65	ug/l	99
20) Methylene Chloride	2.85	84	170713	46.51	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	163006	45.96	ug/l	97
22) Diisopropyl ether	3.87	45	550995	48.27	ug/l	99
23) Vinyl Acetate	3.82	43	1852073	225.19	ug/l	99
24) 1,1-Dichloroethane	3.70	63	300007	47.92	ug/l	100
25) 2-Butanone	4.71	43	655883	249.83	ug/l	98
26) 2,2-Dichloropropane	4.59	77	249944	49.59	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	192983	47.82	ug/l	99
28) Bromochloromethane	5.03	49	146339	52.62	ug/l	100
29) Tetrahydrofuran	5.17	42	403388	235.73	ug/l	100
30) Chloroform	5.21	83	315250	47.94	ug/l	97
31) Cyclohexane	5.58	56	277542	50.58	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	275907	48.55	ug/l	100
36) 1,1-Dichloropropene	5.80	75	235692	50.81	ug/l	100
37) Ethyl Acetate	4.87	43	240624	49.77	ug/l	100
38) Carbon Tetrachloride	5.78	117	250753	51.60	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	301187	55.57	ug/l	99
40) Benzene	6.15	78	715270	52.33	ug/l	99
41) Methacrylonitrile	5.06	41	139262	49.81	ug/l	98
42) 1,2-Dichloroethane	6.20	62	242819	49.12	ug/l	98
43) Isopropyl Acetate	6.47	43	379320	50.13	ug/l	99
44) Trichloroethene	7.21	130	217055	51.16	ug/l	99
45) 1,2-Dichloropropane	7.52	63	178485	53.22	ug/l	98
46) Dibromomethane	7.67	93	119469	50.73	ug/l	98
47) Bromodichloromethane	7.90	83	232035	53.10	ug/l	97
48) Methyl methacrylate	7.78	41	203707	51.15	ug/l	97
49) 1,4-Dioxane	7.76	88	88665	1156.21	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1262078	263.19	ug/l	99
52) Toluene	8.79	92	469243	53.43	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	282469	54.94	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	253167	55.86	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	184028	54.82	ug/l	99
56) Ethyl methacrylate	9.18	69	268051	56.30	ug/l	99
57) 1,3-Dichloropropane	9.38	76	306670	54.56	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	639574	261.16	ug/l	99
59) 2-Hexanone	9.50	43	980599	285.67	ug/l	100
60) Dibromochloromethane	9.59	129	202556	58.92	ug/l	100
61) 1,2-Dibromoethane	9.68	107	193958	55.19	ug/l	99
64) Tetrachloroethene	9.34	164	259496	60.16	ug/l	98
65) Chlorobenzene	10.14	112	462666	50.76	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	173612	53.93	ug/l	98
67) Ethyl Benzene	10.26	91	770719	52.91	ug/l	100
68) m/p-Xylenes	10.37	106	616986	107.36	ug/l	100
69) o-Xylene	10.70	106	298515	54.24	ug/l	100
70) Styrene	10.72	104	493743	54.39	ug/l	100
71) Bromoform	10.86	173	144200	48.24	ug/l	99
73) Isopropylbenzene	11.02	105	803590	55.22	ug/l	100
74) N-amyl acetate	6.47	43	379320	54.37	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	221954	50.84	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	217539m	51.77	ug/l	
77) Bromobenzene	11.26	156	226093	52.87	ug/l	99
78) n-propylbenzene	11.37	91	902383	55.04	ug/l	99
79) 2-Chlorotoluene	11.43	91	526513	53.69	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	676047	56.63	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	66682	47.47	ug/l	99
82) 4-Chlorotoluene	11.52	91	618850	53.57	ug/l	100
83) tert-Butylbenzene	11.77	119	660656	55.61	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	697662	56.43	ug/l	100
85) sec-Butylbenzene	11.95	105	828286	56.48	ug/l	100
86) p-Isopropyltoluene	12.07	119	766329	56.47	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	413625	52.30	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	417642	51.07	ug/l	99
89) n-Butylbenzene	12.40	91	638126	54.37	ug/l	100
90) Hexachloroethane	12.60	117	120881	57.35	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	413057	52.42	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48976	52.56	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	330251	52.58	ug/l	100
94) Hexachlorobutadiene	13.79	225	178765	53.01	ug/l	99
95) Naphthalene	13.84	128	873009	53.47	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	330562	52.27	ug/l	99

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

