

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051618\
 Data File : VX001780.D
 Acq On : 16 May 2018 22:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/17/2018 9:32:34 AM

Quant Time: May 17 04:41:29 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	302583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	395033	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	214807	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	170859	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	
35) Dibromofluoromethane	5.51	113	149947	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
50) Toluene-d8	8.72	98	563277	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
62) 4-Bromofluorobenzene	11.14	95	178233	41.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.92%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	143698	47.32	ug/l	99
3) Chloromethane	1.32	50	162597	49.57	ug/l	99
4) Vinyl Chloride	1.40	62	172168	48.55	ug/l	100
5) Bromomethane	1.64	94	66770	44.38	ug/l	98
6) Chloroethane	1.72	64	111738	50.02	ug/l	98
7) Trichlorofluoromethane	1.92	101	248127	48.15	ug/l	98
8) Diethyl Ether	2.19	74	104251	49.15	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	149998	48.35	ug/l	98
10) Methyl Iodide	2.51	142	204169	71.53	ug/l	99
11) Tert butyl alcohol	3.09	59	193214	268.33	ug/l	100
12) 1,1-Dichloroethene	2.37	96	141408	47.28	ug/l	98
13) Acrolein	2.29	56	120011	235.00	ug/l	100
14) Allyl chloride	2.73	41	274759	49.70	ug/l	96
15) Acrylonitrile	3.15	53	464952	257.08	ug/l	100
16) Acetone	2.45	43	407703	255.94	ug/l	99
17) Carbon Disulfide	2.57	76	345534	44.29	ug/l	99
18) Methyl Acetate	2.78	43	252890	54.30	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	494576	49.06	ug/l	100
20) Methylene Chloride	2.86	84	163448	47.93	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	153339	46.54	ug/l	100
22) Diisopropyl ether	3.88	45	533890	50.34	ug/l	98
23) Vinyl Acetate	3.83	43	1761817	230.59	ug/l	99
24) 1,1-Dichloroethane	3.70	63	286548	49.27	ug/l	99
25) 2-Butanone	4.71	43	658210	269.89	ug/l	97
26) 2,2-Dichloropropane	4.59	77	189773	40.53	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	184292	49.16	ug/l	98
28) Bromochloromethane	5.03	49	141983	54.96	ug/l	98
29) Tetrahydrofuran	5.17	42	423714	266.53	ug/l	100
30) Chloroform	5.22	83	303318	49.65	ug/l	99
31) Cyclohexane	5.58	56	258839	50.77	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	264841	50.17	ug/l	99
36) 1,1-Dichloropropene	5.80	75	218037	47.95	ug/l	100
37) Ethyl Acetate	4.87	43	244982	51.69	ug/l	99
38) Carbon Tetrachloride	5.79	117	237200	49.79	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	266444	50.15	ug/l	99
40) Benzene	6.15	78	678463	50.64	ug/l	100
41) Methacrylonitrile	5.07	41	140752	51.36	ug/l	98
42) 1,2-Dichloroethane	6.20	62	233599	48.21	ug/l	98
43) Isopropyl Acetate	6.48	43	374913	50.55	ug/l	99
44) Trichloroethene	7.21	130	206041	49.55	ug/l	100
45) 1,2-Dichloropropane	7.52	63	172723	52.54	ug/l	100
46) Dibromomethane	7.67	93	114301	49.51	ug/l	98
47) Bromodichloromethane	7.90	83	222091	51.84	ug/l	96
48) Methyl methacrylate	7.79	41	203571	52.14	ug/l	98
49) 1,4-Dioxane	7.76	88	94295	1254.39	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	1295040	275.51	ug/l	99
52) Toluene	8.79	92	442865	51.44	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	259059	51.40	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	230442	51.87	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	158479	48.16	ug/l	99
56) Ethyl methacrylate	9.19	69	232273	49.77	ug/l	98
57) 1,3-Dichloropropane	9.38	76	259157	47.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	657924	274.06	ug/l	100
59) 2-Hexanone	9.51	43	868662	258.15	ug/l	99
60) Dibromochloromethane	9.59	129	169864	50.41	ug/l	100
61) 1,2-Dibromoethane	9.68	107	166518	48.33	ug/l	99
64) Tetrachloroethene	9.34	164	219384	51.40	ug/l	99
65) Chlorobenzene	10.15	112	443530	49.18	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	170300	53.46	ug/l	98
67) Ethyl Benzene	10.26	91	731969	50.78	ug/l	99
68) m/p-Xylenes	10.37	106	591062	103.93	ug/l	99
69) o-Xylene	10.71	106	284720	52.28	ug/l	100
70) Styrene	10.72	104	469139	52.23	ug/l	99
71) Bromoform	10.87	173	140003	47.39	ug/l	98
73) Isopropylbenzene	11.02	105	762089	53.87	ug/l	100
74) N-amyl acetate	6.48	43	374913	55.28	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	221634	52.23	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	217063m	53.14	ug/l	
77) Bromobenzene	11.26	156	215097	51.75	ug/l	99
78) n-propylbenzene	11.37	91	832799	52.25	ug/l	100
79) 2-Chlorotoluene	11.43	91	499729	52.43	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	628932	54.19	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	61360	45.11	ug/l	98
82) 4-Chlorotoluene	11.52	91	574771	51.19	ug/l	99
83) tert-Butylbenzene	11.77	119	615315	53.28	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	650456	54.12	ug/l	99
85) sec-Butylbenzene	11.95	105	758601	53.21	ug/l	100
86) p-Isopropyltoluene	12.07	119	696020	52.76	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	385759	50.18	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	385370	48.48	ug/l	100
89) n-Butylbenzene	12.40	91	555936	48.73	ug/l	100
90) Hexachloroethane	12.60	117	112969	55.14	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	389729	50.88	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49669	54.84	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	290415	47.57	ug/l	100
94) Hexachlorobutadiene	13.79	225	155000	47.29	ug/l	100
95) Naphthalene	13.84	128	843460	53.15	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	304718	49.56	ug/l	99

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

