

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041418\
 Data File : VX000865.D
 Acq On : 14 Apr 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
 4/16/2018 12:51:42 PM

Quant Time: Apr 16 05:55:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	265090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	346069	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	225987	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	152927	45.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.50%	
35) Dibromofluoromethane	5.51	113	130472	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	8.72	98	485109	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.15	95	198386	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	152724	51.04	ug/l	99
3) Chloromethane	1.32	50	123833	48.27	ug/l	99
4) Vinyl Chloride	1.40	62	146964	50.93	ug/l	99
5) Bromomethane	1.64	94	61408	51.45	ug/l	95
6) Chloroethane	1.72	64	86136	49.25	ug/l	98
7) Trichlorofluoromethane	1.93	101	221967	50.98	ug/l	98
8) Diethyl Ether	2.19	74	83698	51.46	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	135614	52.82	ug/l	99
10) Methyl Iodide	2.51	142	98176	49.28	ug/l	100
11) Tert butyl alcohol	3.07	59	148386	250.04	ug/l	100
12) 1,1-Dichloroethene	2.37	96	122514	50.36	ug/l	96
13) Acrolein	2.30	56	54583	189.40	ug/l	98
14) Allyl chloride	2.73	41	226290	50.30	ug/l	98
15) Acrylonitrile	3.15	53	339333	268.20	ug/l	100
16) Acetone	2.45	43	296439	257.18	ug/l	99
17) Carbon Disulfide	2.57	76	331831	45.04	ug/l	99
18) Methyl Acetate	2.78	43	168191	56.39	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	419016	51.70	ug/l	98
20) Methylene Chloride	2.86	84	131617	49.09	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	132773	49.49	ug/l	99
22) Diisopropyl ether	3.88	45	422493	51.10	ug/l	99
23) Vinyl Acetate	3.83	43	1819980	250.72	ug/l	99
24) 1,1-Dichloroethane	3.70	63	237074	51.10	ug/l	99
25) 2-Butanone	4.71	43	503920	264.74	ug/l	99
26) 2,2-Dichloropropane	4.59	77	226043	49.09	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	157123	51.60	ug/l	99
28) Bromochloromethane	5.03	49	87504	46.84	ug/l	100
29) Tetrahydrofuran	5.17	42	314438	260.17	ug/l	99
30) Chloroform	5.22	83	256157	52.15	ug/l	100
31) Cyclohexane	5.58	56	221373	50.25	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	235984	50.43	ug/l	100
36) 1,1-Dichloropropene	5.81	75	196561	51.57	ug/l	99
37) Ethyl Acetate	4.87	43	196102	52.71	ug/l	100
38) Carbon Tetrachloride	5.79	117	213953	50.15	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	242557	53.00	ug/l	99
40) Benzene	6.15	78	556660	52.57	ug/l	99
41) Methacrylonitrile	5.07	41	114893	53.45	ug/l	100
42) 1,2-Dichloroethane	6.21	62	205698	52.01	ug/l	100
43) Isopropyl Acetate	6.48	43	333119	52.22	ug/l	100
44) Trichloroethene	7.22	130	172737	52.45	ug/l	97
45) 1,2-Dichloropropane	7.52	63	145296	53.88	ug/l	99
46) Dibromomethane	7.67	93	98295	52.28	ug/l	100
47) Bromodichloromethane	7.90	83	195829	51.61	ug/l	98
48) Methyl methacrylate	7.79	41	174653	52.82	ug/l	99
49) 1,4-Dioxane	7.76	88	67616	1017.57	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1031350	275.24	ug/l	99
52) Toluene	8.79	92	371460	52.87	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	239874	52.70	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	229881	51.87	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	148492	53.24	ug/l	99
56) Ethyl methacrylate	9.19	69	228030	53.00	ug/l	98
57) 1,3-Dichloropropane	9.38	76	242401	54.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	668100	332.35	ug/l	100
59) 2-Hexanone	9.51	43	803114	277.63	ug/l	99
60) Dibromochloromethane	9.59	129	172929	51.82	ug/l	100
61) 1,2-Dibromoethane	9.68	107	158822	53.68	ug/l	99
64) Tetrachloroethene	9.34	164	177702	55.11	ug/l	99
65) Chlorobenzene	10.15	112	441553	53.22	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	163414	52.33	ug/l	99
67) Ethyl Benzene	10.26	91	731088	52.85	ug/l	99
68) m/p-Xylenes	10.37	106	586493	107.43	ug/l	99
69) o-Xylene	10.71	106	281564	53.51	ug/l	100
70) Styrene	10.72	104	474282	53.46	ug/l	99
71) Bromoform	10.87	173	145445	50.31	ug/l	100
73) Isopropylbenzene	11.02	105	767028	53.50	ug/l	100
74) N-amyl acetate	6.48	43	333119	51.60	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	220803	53.07	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	208846m	53.59	ug/l	
77) Bromobenzene	11.26	156	220170	52.40	ug/l	99
78) n-propylbenzene	11.37	91	868068	52.94	ug/l	99
79) 2-Chlorotoluene	11.43	91	509320	52.55	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	656878	53.28	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	69527	49.07	ug/l	99
82) 4-Chlorotoluene	11.52	91	611969	52.31	ug/l	99
83) tert-Butylbenzene	11.77	119	668350	52.99	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	676193	53.12	ug/l	100
85) sec-Butylbenzene	11.95	105	800248	53.78	ug/l	100
86) p-Isopropyltoluene	12.07	119	742740	53.52	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	414289	53.27	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	420587	52.77	ug/l	99
89) n-Butylbenzene	12.40	91	668542	54.58	ug/l	100
90) Hexachloroethane	12.60	117	115137	49.03	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	402149	53.57	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49734	47.71	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	347636	54.27	ug/l	99
94) Hexachlorobutadiene	13.79	225	178415	56.64	ug/l	99
95) Naphthalene	13.84	128	891240	54.20	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	339990	54.64	ug/l	99

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

