

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021318\
 Data File : VX000073.D
 Acq On : 13 Feb 2018 12:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ClientSampled :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/16/2018 2:27:58 PM

Quant Time: Feb 14 02:53:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X020918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 09 23:01:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	129745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	203268	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	198705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	116842	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	65409	48.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	5.51	113	57436	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	8.73	98	217371	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.15	95	89594	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56577	48.12	ug/l	97
3) Chloromethane	1.32	50	55624	46.46	ug/l	95
4) Vinyl Chloride	1.41	62	65381	48.46	ug/l	100
5) Bromomethane	1.64	94	49731	69.01	ug/l	96
6) Chloroethane	1.72	64	41468	51.12	ug/l	98
7) Trichlorofluoromethane	1.93	101	113096	48.11	ug/l	98
8) Diethyl Ether	2.20	74	39288	46.16	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	65559	49.36	ug/l	99
10) Methyl Iodide	2.51	142	78577	48.77	ug/l	100
11) Tert butyl alcohol	3.07	59	141620	261.08	ug/l	100
12) 1,1-Dichloroethene	2.38	96	58621	46.57	ug/l	99
13) Acrolein	2.30	56	54537	195.88	ug/l	99
14) Allyl chloride	2.73	41	102078	46.54	ug/l	99
15) Acrylonitrile	3.15	53	235568	249.26	ug/l	100
16) Acetone	2.45	43	215964	269.09	ug/l	98
17) Carbon Disulfide	2.57	76	170277	46.43	ug/l	99
18) Methyl Acetate	2.78	43	109835	54.28	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	206260	47.88	ug/l	99
20) Methylene Chloride	2.86	84	64965	48.34	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	63695	47.01	ug/l	98
22) Diisopropyl ether	3.88	45	189431	52.30	ug/l	99
23) Vinyl Acetate	3.83	43	906061	276.72	ug/l	100
24) 1,1-Dichloroethane	3.70	63	108147	48.03	ug/l	99
25) 2-Butanone	4.71	43	323973	267.46	ug/l	98
26) 2,2-Dichloropropane	4.59	77	92805	48.10	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	62122	46.78	ug/l	97
28) Bromochloromethane	5.03	49	35169	47.11	ug/l	92
29) Tetrahydrofuran	5.18	42	217157	261.63	ug/l	99
30) Chloroform	5.23	83	111227	49.01	ug/l	98
31) Cyclohexane	5.59	56	89741	48.52	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	104825	49.07	ug/l	98
36) 1,1-Dichloropropene	5.81	75	85071	48.07	ug/l	98
37) Ethyl Acetate	4.87	43	113257	49.56	ug/l	99
38) Carbon Tetrachloride	5.79	117	96472	48.55	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	107754	50.15	ug/l	99
40) Benzene	6.15	78	239576	47.90	ug/l	99
41) Methacrylonitrile	5.07	41	58709	50.01	ug/l	99
42) 1,2-Dichloroethane	6.21	62	89480	50.08	ug/l	99
43) Isopropyl Acetate	6.48	43	171407	49.74	ug/l	99
44) Trichloroethene	7.22	130	74945	48.42	ug/l	97
45) 1,2-Dichloropropane	7.52	63	61805	50.82	ug/l	96
46) Dibromomethane	7.67	93	47448	50.55	ug/l	95
47) Bromodichloromethane	7.90	83	90543	49.61	ug/l	97
48) Methyl methacrylate	7.79	41	83521	49.38	ug/l	99
49) 1,4-Dioxane	7.77	88	45123	1001.55	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	635575	264.71	ug/l	99
52) Toluene	8.79	92	170162	50.64	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	107898	50.53	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	109031	52.54	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	70953	50.36	ug/l	96
56) Ethyl methacrylate	9.19	69	111614	51.63	ug/l	99
57) 1,3-Dichloropropane	9.38	76	110181	50.26	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	269367	252.30	ug/l	99
59) 2-Hexanone	9.51	43	535887	274.42	ug/l	99
60) Dibromochloromethane	9.59	129	85258	52.61	ug/l	99
61) 1,2-Dibromoethane	9.68	107	79871	51.46	ug/l	100
64) Tetrachloroethene	9.34	164	73930	49.98	ug/l	98
65) Chlorobenzene	10.15	112	202818	49.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	74350	50.07	ug/l	99
67) Ethyl Benzene	10.26	91	339293	49.56	ug/l	100
68) m/p-Xylenes	10.37	106	271480	99.56	ug/l	100
69) o-Xylene	10.71	106	129601	49.24	ug/l	98
70) Styrene	10.72	104	220553	49.61	ug/l	100
71) Bromoform	10.87	173	73524	52.33	ug/l #	99
73) Isopropylbenzene	11.02	105	358501	48.36	ug/l	100
74) N-amyl acetate	6.48	43	171407	46.20	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	119057	47.20	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	112294m	51.03	ug/l	
77) Bromobenzene	11.26	156	96761	48.10	ug/l	100
78) n-propylbenzene	11.37	91	416661	48.47	ug/l	99
79) 2-Chlorotoluene	11.43	91	238989	48.08	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	300828	48.43	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	43529	48.94	ug/l	95
82) 4-Chlorotoluene	11.52	91	288034	48.49	ug/l	100
83) tert-Butylbenzene	11.78	119	303637	48.38	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	311159	48.95	ug/l	99
85) sec-Butylbenzene	11.96	105	376056	48.70	ug/l	100
86) p-Isopropyltoluene	12.07	119	341067	49.12	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	183562	48.43	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	188714	48.65	ug/l	99
89) n-Butylbenzene	12.40	91	318696	49.13	ug/l	100
90) Hexachloroethane	12.60	117	59973	49.39	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	176951	47.72	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	34177	47.33	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	135470	47.76	ug/l	99
94) Hexachlorobutadiene	13.79	225	64707	48.36	ug/l	99
95) Naphthalene	13.84	128	444735	48.24	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	132549	48.03	ug/l	100

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

