

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021518\
 Data File : VX000096.D
 Acq On : 15 Feb 2018 10:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 2/16/2018 3:40:16 PM

Quant Time: Feb 16 05:09:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	131801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	212206	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	212602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	127527	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	77068	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
35) Dibromofluoromethane	5.51	113	64364	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	8.73	98	259902	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.15	95	103756	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	66037	48.66	ug/l	99
3) Chloromethane	1.32	50	61697	46.35	ug/l	99
4) Vinyl Chloride	1.40	62	71740	48.38	ug/l	100
5) Bromomethane	1.64	94	62901	53.58	ug/l	99
6) Chloroethane	1.72	64	44458	44.64	ug/l	98
7) Trichlorofluoromethane	1.93	101	121292	45.75	ug/l	100
8) Diethyl Ether	2.19	74	42025	45.93	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68458	46.20	ug/l	98
10) Methyl Iodide	2.51	142	78989	48.66	ug/l	98
11) Tert butyl alcohol	3.07	59	148952	234.84	ug/l	100
12) 1,1-Dichloroethene	2.38	96	62697	45.42	ug/l	96
13) Acrolein	2.29	56	65409	215.90	ug/l	98
14) Allyl chloride	2.73	41	110069	47.63	ug/l	99
15) Acrylonitrile	3.15	53	250751	231.49	ug/l	100
16) Acetone	2.45	43	252266	236.32	ug/l	99
17) Carbon Disulfide	2.57	76	182792	44.98	ug/l	98
18) Methyl Acetate	2.78	43	118455	47.32	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	220543	46.55	ug/l	99
20) Methylene Chloride	2.86	84	65325	48.03	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	68756	45.95	ug/l	95
22) Diisopropyl ether	3.88	45	207382	51.37	ug/l	96
23) Vinyl Acetate	3.83	43	985775	262.74	ug/l	100
24) 1,1-Dichloroethane	3.70	63	116121	48.55	ug/l	99
25) 2-Butanone	4.71	43	355187	238.34	ug/l	98
26) 2,2-Dichloropropane	4.59	77	98208	47.23	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	66785	46.85	ug/l	97
28) Bromochloromethane	5.03	49	51493	48.01	ug/l	96
29) Tetrahydrofuran	5.17	42	231165	238.21	ug/l	99
30) Chloroform	5.23	83	118411	47.04	ug/l	97
31) Cyclohexane	5.59	56	99681	48.47	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	112146	48.41	ug/l	100
36) 1,1-Dichloropropene	5.81	75	92064	48.35	ug/l	99
37) Ethyl Acetate	4.87	43	122540	46.83	ug/l	99
38) Carbon Tetrachloride	5.79	117	101255	49.22	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	116020	50.60	ug/l	98
40) Benzene	6.15	78	260738	47.92	ug/l	100
41) Methacrylonitrile	5.07	41	62649	49.89	ug/l	98
42) 1,2-Dichloroethane	6.21	62	96750	48.46	ug/l	100
43) Isopropyl Acetate	6.48	43	182053	48.25	ug/l	100
44) Trichloroethene	7.22	130	79235	49.45	ug/l	97
45) 1,2-Dichloropropane	7.53	63	64776	48.58	ug/l	99
46) Dibromomethane	7.67	93	50803	48.83	ug/l	99
47) Bromodichloromethane	7.91	83	96726	50.33	ug/l	98
48) Methyl methacrylate	7.79	41	89264	48.27	ug/l	100
49) 1,4-Dioxane	7.77	88	48318	996.41	ug/l	99
51) 4-Methyl-2-Pentanone	8.67	43	685855	248.70	ug/l	100
52) Toluene	8.79	92	183177	50.40	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	114570	50.69	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	114307	50.94	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	74363	49.47	ug/l	96
56) Ethyl methacrylate	9.19	69	119291	51.71	ug/l	99
57) 1,3-Dichloropropane	9.38	76	119185	49.92	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	280530	240.61	ug/l	99
59) 2-Hexanone	9.51	43	596252	255.36	ug/l	100
60) Dibromochloromethane	9.59	129	87130	51.17	ug/l	96
61) 1,2-Dibromoethane	9.68	107	84895	50.89	ug/l	100
64) Tetrachloroethene	9.34	164	77311	49.93	ug/l	98
65) Chlorobenzene	10.15	112	219331	48.86	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	78599	50.05	ug/l	98
67) Ethyl Benzene	10.26	91	370692	49.20	ug/l	98
68) m/p-Xylenes	10.37	106	299379	100.34	ug/l	99
69) o-Xylene	10.71	106	142245	49.43	ug/l	98
70) Styrene	10.72	104	239906	50.99	ug/l	100
71) Bromoform	10.87	173	74994	52.58	ug/l #	100
73) Isopropylbenzene	11.02	105	387457	47.94	ug/l	100
74) N-amyl acetate	6.48	43	182053	44.59	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.28	83	130104	46.22	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	143045m	54.15	ug/l	
77) Bromobenzene	11.26	156	105332	48.09	ug/l	99
78) n-propylbenzene	11.37	91	458880	48.16	ug/l	100
79) 2-Chlorotoluene	11.43	91	260721	47.82	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	336107	49.19	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	46900	50.56	ug/l	100
82) 4-Chlorotoluene	11.52	91	314545	47.69	ug/l	99
83) tert-Butylbenzene	11.78	119	331958	48.11	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	347533	48.99	ug/l	100
85) sec-Butylbenzene	11.96	105	414392	48.36	ug/l	99
86) p-Isopropyltoluene	12.07	119	379127	49.51	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	202738	48.24	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	207528	47.80	ug/l	100
89) n-Butylbenzene	12.40	91	356508	49.37	ug/l	99
90) Hexachloroethane	12.60	117	62845	50.41	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	197814	47.83	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	39791	50.93	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	152393	49.11	ug/l	100
94) Hexachlorobutadiene	13.79	225	68403	50.52	ug/l	97
95) Naphthalene	13.85	128	511181	48.59	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	147678	48.21	ug/l	99

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

