

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032218\
 Data File : VX000396.D
 Acq On : 22 Mar 2018 10:34
 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

sam
 3/23/2018 1:52:53 PM

Quant Time: Mar 23 05:52:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	114758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	182983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	190235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	115110	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	76317	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
35) Dibromofluoromethane	5.51	113	58767	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	8.72	98	250206	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	11.15	95	94500	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	58254	46.06	ug/l	94
3) Chloromethane	1.32	50	60178	45.17	ug/l	93
4) Vinyl Chloride	1.41	62	68672	48.78	ug/l	98
5) Bromomethane	1.64	94	102691	60.92	ug/l	100
6) Chloroethane	1.73	64	44945	53.44	ug/l	95
7) Trichlorofluoromethane	1.93	101	121276	47.73	ug/l	98
8) Diethyl Ether	2.19	74	42419	46.71	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69331	48.93	ug/l	99
10) Methyl Iodide	2.52	142	62560	45.03	ug/l	100
11) Tert butyl alcohol	3.07	59	124995	242.58	ug/l	99
12) 1,1-Dichloroethene	2.38	96	60745	48.84	ug/l	99
13) Acrolein	2.29	56	36345	222.61	ug/l	97
14) Allyl chloride	2.73	41	110682	50.38	ug/l	99
15) Acrylonitrile	3.15	53	249920	239.47	ug/l	99
16) Acetone	2.45	43	328619	263.71	ug/l	98
17) Carbon Disulfide	2.57	76	156166	47.20	ug/l	100
18) Methyl Acetate	2.78	43	130066	49.79	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	222068	48.27	ug/l	95
20) Methylene Chloride	2.86	84	68045	47.28	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	64848	46.74	ug/l	91
22) Diisopropyl ether	3.88	45	214450	55.15	ug/l	98
23) Vinyl Acetate	3.83	43	1032703	280.15	ug/l	99
24) 1,1-Dichloroethane	3.70	63	120071	49.11	ug/l	100
25) 2-Butanone	4.71	43	351266	250.78	ug/l	99
26) 2,2-Dichloropropane	4.60	77	84226	49.15	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	62754	48.39	ug/l	98
28) Bromochloromethane	5.03	49	52098	51.68	ug/l	100
29) Tetrahydrofuran	5.17	42	207919	241.26	ug/l	99
30) Chloroform	5.23	83	112662	49.17	ug/l	96
31) Cyclohexane	5.59	56	91800	48.57	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	101205	48.96	ug/l	99
36) 1,1-Dichloropropene	5.81	75	82897	48.36	ug/l	98
37) Ethyl Acetate	4.87	43	111963	47.82	ug/l	100
38) Carbon Tetrachloride	5.79	117	89612	49.84	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	106959	51.31	ug/l	97
40) Benzene	6.15	78	249356	50.10	ug/l	96
41) Methacrylonitrile	5.07	41	58861	47.69	ug/l	98
42) 1,2-Dichloroethane	6.20	62	98403	50.39	ug/l	99
43) Isopropyl Acetate	6.48	43	178659	51.26	ug/l	99
44) Trichloroethene	7.22	130	71596	50.21	ug/l	95
45) 1,2-Dichloropropane	7.52	63	65898	51.72	ug/l	98
46) Dibromomethane	7.67	93	50568	50.56	ug/l	98
47) Bromodichloromethane	7.91	83	92823	52.75	ug/l	99
48) Methyl methacrylate	7.79	41	87292	51.59	ug/l	99
49) 1,4-Dioxane	7.77	88	34530	970.89	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	715440	265.21	ug/l	99
52) Toluene	8.79	92	176803	50.81	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	108011	52.97	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	105689	53.44	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	73753	51.54	ug/l	98
56) Ethyl methacrylate	9.19	69	113989	52.57	ug/l	99
57) 1,3-Dichloropropane	9.38	76	121895	53.26	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	290671	279.30	ug/l	98
59) 2-Hexanone	9.51	43	605313	264.26	ug/l	100
60) Dibromochloromethane	9.59	129	79657	47.28	ug/l	99
61) 1,2-Dibromoethane	9.68	107	80292	52.32	ug/l	99
64) Tetrachloroethene	9.34	164	76697	51.95	ug/l	98
65) Chlorobenzene	10.15	112	205472	48.53	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	72611	50.50	ug/l	99
67) Ethyl Benzene	10.26	91	357031	49.75	ug/l	99
68) m/p-Xylenes	10.37	106	277345	98.21	ug/l	98
69) o-Xylene	10.71	106	136130	49.79	ug/l	100
70) Styrene	10.72	104	230022	50.84	ug/l	98
71) Bromoform	10.87	173	63009	42.81	ug/l #	97
73) Isopropylbenzene	11.02	105	376445	49.36	ug/l	99
74) N-amyl acetate	6.48	43	178659	54.01	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	131660	48.81	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	120724m	48.80	ug/l	
77) Bromobenzene	11.26	156	92468	45.51	ug/l	97
78) n-propylbenzene	11.37	91	447671	49.23	ug/l	99
79) 2-Chlorotoluene	11.43	91	253268	48.21	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	327253	51.03	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	38045	49.79	ug/l	96
82) 4-Chlorotoluene	11.52	91	313214	49.93	ug/l	100
83) tert-Butylbenzene	11.78	119	315033	48.71	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	340205	50.60	ug/l	99
85) sec-Butylbenzene	11.96	105	408964	51.10	ug/l	99
86) p-Isopropyltoluene	12.07	119	365978	51.49	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	185431	48.27	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	194921	48.33	ug/l	98
89) n-Butylbenzene	12.40	91	339763	51.34	ug/l	99
90) Hexachloroethane	12.60	117	58435	52.24	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	185298	49.20	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	37095	49.31	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	129482	47.96	ug/l	98
94) Hexachlorobutadiene	13.79	225	56702	50.72	ug/l	98
95) Naphthalene	13.84	128	463335	49.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	130297	48.84	ug/l	98

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

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