

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042418\
 Data File : VX001111.D
 Acq On : 25 Apr 2018 06:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Sohil
 4/26/2018 4:06:38 AM

Quant Time: Apr 25 08:45:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	339434	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	225873	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	147129	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
35) Dibromofluoromethane	5.51	113	122617	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
50) Toluene-d8	8.72	98	429656	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	
62) 4-Bromofluorobenzene	11.14	95	180760	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	157814	51.60	ug/l	98
3) Chloromethane	1.32	50	136231	47.83	ug/l	99
4) Vinyl Chloride	1.40	62	154294	52.27	ug/l	100
5) Bromomethane	1.64	94	84724	49.88	ug/l	99
6) Chloroethane	1.72	64	88880	50.67	ug/l	99
7) Trichlorofluoromethane	1.93	101	228643	51.56	ug/l	99
8) Diethyl Ether	2.19	74	83484	50.97	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	127334	49.01	ug/l	98
10) Methyl Iodide	2.51	142	118184	46.69	ug/l	99
11) Tert butyl alcohol	3.08	59	150186	318.56	ug/l	98
12) 1,1-Dichloroethene	2.38	96	119230	49.62	ug/l	98
13) Acrolein	2.30	56	56462	378.53	ug/l	100
14) Allyl chloride	2.73	41	217764	50.08	ug/l	99
15) Acrylonitrile	3.15	53	347596	272.42	ug/l	100
16) Acetone	2.45	43	306766	260.60	ug/l	99
17) Carbon Disulfide	2.57	76	299160	43.69	ug/l	99
18) Methyl Acetate	2.78	43	226144	63.49	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	430345	53.28	ug/l	99
20) Methylene Chloride	2.86	84	135524	54.77	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	128583	48.07	ug/l	99
22) Diisopropyl ether	3.88	45	440152	52.29	ug/l	99
23) Vinyl Acetate	3.83	43	1752051	251.41	ug/l	100
24) 1,1-Dichloroethane	3.70	63	232822	49.31	ug/l	100
25) 2-Butanone	4.71	43	492556	268.04	ug/l	100
26) 2,2-Dichloropropane	4.59	77	142066	34.98	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	145257	48.75	ug/l	97
28) Bromochloromethane	5.03	49	96713	53.26	ug/l	98
29) Tetrahydrofuran	5.17	42	317462	273.39	ug/l	100
30) Chloroform	5.23	83	249162	50.95	ug/l	98
31) Cyclohexane	5.58	56	205763	46.69	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	226065	51.56	ug/l	99
36) 1,1-Dichloropropene	5.81	75	182604	45.78	ug/l	100
37) Ethyl Acetate	4.87	43	192849	52.71	ug/l	100
38) Carbon Tetrachloride	5.79	117	197675	48.94	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	210329	45.30	ug/l	99
40) Benzene	6.15	78	536300	48.36	ug/l	99
41) Methacrylonitrile	5.07	41	114622	50.17	ug/l	99
42) 1,2-Dichloroethane	6.21	62	212194	49.85	ug/l	99
43) Isopropyl Acetate	6.48	43	326151	51.96	ug/l	99
44) Trichloroethene	7.22	130	158034	46.64	ug/l	98
45) 1,2-Dichloropropane	7.52	63	139635	50.08	ug/l	98
46) Dibromomethane	7.67	93	96365	49.46	ug/l	99
47) Bromodichloromethane	7.91	83	187912	52.06	ug/l	98
48) Methyl methacrylate	7.79	41	176178	52.12	ug/l	98
49) 1,4-Dioxane	7.76	88	62956	1266.60	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1065582	279.57	ug/l	99
52) Toluene	8.79	92	358139	49.48	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	210555	48.78	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	200558	49.27	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	146628	50.97	ug/l	98
56) Ethyl methacrylate	9.19	69	221786	52.49	ug/l	98
57) 1,3-Dichloropropane	9.38	76	238254	49.99	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	539369	261.55	ug/l	99
59) 2-Hexanone	9.51	43	807745	276.87	ug/l	99
60) Dibromochloromethane	9.59	129	160910	53.26	ug/l	100
61) 1,2-Dibromoethane	9.68	107	157282	51.80	ug/l	98
64) Tetrachloroethene	9.34	164	173590	50.05	ug/l	99
65) Chlorobenzene	10.15	112	417677	48.03	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	154570	51.79	ug/l	99
67) Ethyl Benzene	10.26	91	701931	48.61	ug/l	100
68) m/p-Xylenes	10.37	106	557597	97.97	ug/l	99
69) o-Xylene	10.70	106	270893	49.37	ug/l	100
70) Styrene	10.72	104	450580	49.86	ug/l	99
71) Bromoform	10.87	173	131245	47.38	ug/l	99
73) Isopropylbenzene	11.02	105	735310	49.80	ug/l	100
74) N-amyl acetate	6.48	43	326151	51.63	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	225094	53.85	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	207156m	52.86	ug/l	
77) Bromobenzene	11.26	156	209358	48.84	ug/l	99
78) n-propylbenzene	11.37	91	826143	48.73	ug/l	99
79) 2-Chlorotoluene	11.43	91	495611	49.48	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	626869	50.08	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	51915	41.26	ug/l	96
82) 4-Chlorotoluene	11.52	91	593272	49.02	ug/l	99
83) tert-Butylbenzene	11.77	119	639040	50.61	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	647504	50.27	ug/l	99
85) sec-Butylbenzene	11.95	105	753296	49.98	ug/l	100
86) p-Isopropyltoluene	12.07	119	687856	49.33	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	385789	48.08	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	392848	47.70	ug/l	100
89) n-Butylbenzene	12.40	91	589405	47.51	ug/l	100
90) Hexachloroethane	12.60	117	106189	53.75	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	385022	49.56	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	50620	57.80	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	302091	46.32	ug/l	100
94) Hexachlorobutadiene	13.79	225	146604	49.68	ug/l	99
95) Naphthalene	13.84	128	842555	52.53	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	306801	48.64	ug/l	100

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

