

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000313.D
 Acq On : 13 Mar 2018 20:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 3/14/2018 2:12:02 PM

Quant Time: Mar 14 01:43:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	125335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	216500	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	220500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	135230	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	88750	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	5.51	113	72434	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
50) Toluene-d8	8.73	98	286815	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.15	95	114131	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	63945	46.82	ug/l	96
3) Chloromethane	1.32	50	65455	49.09	ug/l	100
4) Vinyl Chloride	1.41	62	82217	52.91	ug/l	99
5) Bromomethane	1.64	94	91725	56.82	ug/l	100
6) Chloroethane	1.72	64	55637	57.51	ug/l	94
7) Trichlorofluoromethane	1.93	101	148374	57.56	ug/l	97
8) Diethyl Ether	2.20	74	54118	57.20	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	78520	54.54	ug/l	98
10) Methyl Iodide	2.51	142	82187	54.11	ug/l	99
11) Tert butyl alcohol	3.09	59	163980	256.86	ug/l	100
12) 1,1-Dichloroethene	2.38	96	75491	57.11	ug/l	93
13) Acrolein	2.30	56	96100	286.32	ug/l	96
14) Allyl chloride	2.73	41	135371	55.44	ug/l	99
15) Acrylonitrile	3.16	53	312647	281.41	ug/l	100
16) Acetone	2.45	43	293585	235.29	ug/l	100
17) Carbon Disulfide	2.57	76	206552	57.03	ug/l	98
18) Methyl Acetate	2.79	43	150676	56.71	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	288163	61.21	ug/l	100
20) Methylene Chloride	2.86	84	83225	55.93	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	81235	55.88	ug/l	96
22) Diisopropyl ether	3.89	45	214144	51.07	ug/l	97
23) Vinyl Acetate	3.84	43	1016278	251.47	ug/l	100
24) 1,1-Dichloroethane	3.70	63	143333	55.76	ug/l	99
25) 2-Butanone	4.72	43	384104	249.45	ug/l	99
26) 2,2-Dichloropropane	4.60	77	97331	51.80	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	74862	54.31	ug/l	97
28) Bromochloromethane	5.03	49	60617	55.48	ug/l	98
29) Tetrahydrofuran	5.18	42	246386	254.76	ug/l	99
30) Chloroform	5.23	83	137193	55.20	ug/l	99
31) Cyclohexane	5.59	56	99393	52.28	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	124329	57.69	ug/l	99
36) 1,1-Dichloropropene	5.81	75	98895	51.34	ug/l	99
37) Ethyl Acetate	4.88	43	137283	49.31	ug/l	100
38) Carbon Tetrachloride	5.79	117	106123	54.43	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	110760	46.86	ug/l	98
40) Benzene	6.15	78	293595	52.84	ug/l	100
41) Methacrylonitrile	5.08	41	71422	50.33	ug/l	98
42) 1,2-Dichloroethane	6.21	62	114626	52.60	ug/l	99
43) Isopropyl Acetate	6.48	43	215732	53.60	ug/l	100
44) Trichloroethene	7.23	130	83406	52.45	ug/l	94
45) 1,2-Dichloropropane	7.52	63	77201	54.86	ug/l	91
46) Dibromomethane	7.67	93	59322	53.28	ug/l	97
47) Bromodichloromethane	7.91	83	113041	57.72	ug/l	99
48) Methyl methacrylate	7.79	41	104699	52.81	ug/l	98
49) 1,4-Dioxane	7.77	88	48994	1088.59	ug/l	98
51) 4-Methyl-2-Pentanone	8.67	43	818222	269.32	ug/l	99
52) Toluene	8.79	92	206951	54.35	ug/l	97
53) t-1,3-Dichloropropene	8.45	75	126404	54.77	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	128400	57.51	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	87021	56.42	ug/l	97
56) Ethyl methacrylate	9.19	69	136960	59.34	ug/l	99
57) 1,3-Dichloropropane	9.38	76	140524	54.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	320282	274.85	ug/l	99
59) 2-Hexanone	9.51	43	685346	264.56	ug/l	99
60) Dibromochloromethane	9.59	129	97148	59.74	ug/l	100
61) 1,2-Dibromoethane	9.68	107	98134	57.30	ug/l	97
64) Tetrachloroethene	9.34	164	80052	51.89	ug/l	96
65) Chlorobenzene	10.15	112	247018	55.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	89058	58.50	ug/l	99
67) Ethyl Benzene	10.26	91	419021	53.92	ug/l	99
68) m/p-Xylenes	10.37	106	333533	111.51	ug/l	99
69) o-Xylene	10.71	106	162604	56.56	ug/l	100
70) Styrene	10.72	104	280051	58.72	ug/l	98
71) Bromoform	10.87	173	81044	52.00	ug/l	99
73) Isopropylbenzene	11.02	105	445025	52.56	ug/l	100
74) N-amyl acetate	6.48	43	215732	49.80	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.28	83	159838	53.85	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	143037m	52.77	ug/l	
77) Bromobenzene	11.26	156	112379	51.34	ug/l	97
78) n-propylbenzene	11.37	91	507555	50.94	ug/l	100
79) 2-Chlorotoluene	11.43	91	297485	52.92	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	387095	54.76	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	45937	51.89	ug/l	97
82) 4-Chlorotoluene	11.52	91	369085	54.00	ug/l	100
83) tert-Butylbenzene	11.78	119	378264	54.99	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	402685	55.40	ug/l	99
85) sec-Butylbenzene	11.96	105	465055	53.45	ug/l	100
86) p-Isopropyltoluene	12.07	119	422431	55.06	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	227375	54.63	ug/l	100
88) 1,4-Dichlorobenzene	12.11	146	235026	53.89	ug/l	98
89) n-Butylbenzene	12.40	91	386519	52.31	ug/l	99
90) Hexachloroethane	12.60	117	68312	55.26	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	225603	54.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	44863	53.82	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	155571	51.90	ug/l	99
94) Hexachlorobutadiene	13.79	225	57384	46.00	ug/l	100
95) Naphthalene	13.84	128	580597	55.51	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	157231	53.02	ug/l	99

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

