

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000529.D
 Acq On : 29 Mar 2018 22:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 3/30/2018 4:11:05 PM

Quant Time: Mar 30 07:59:02 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	5.68	168	131485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	213144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	228622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	151220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	83993	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	5.51	113	67053	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	8.73	98	269970	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.15	95	115314	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59518	41.07	ug/l	98
3) Chloromethane	1.32	50	58405	38.26	ug/l	97
4) Vinyl Chloride	1.40	62	75166	46.60	ug/l	100
5) Bromomethane	1.64	94	113826	58.93	ug/l	96
6) Chloroethane	1.72	64	58214	59.31	ug/l	99
7) Trichlorofluoromethane	1.93	101	151104	51.90	ug/l	98
8) Diethyl Ether	2.19	74	53816	51.72	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	80639	49.67	ug/l	98
10) Methyl Iodide	2.51	142	65472	41.50	ug/l	97
11) Tert butyl alcohol	3.09	59	159653	270.42	ug/l	100
12) 1,1-Dichloroethene	2.38	96	74184	52.05	ug/l	99
13) Acrolein	2.30	56	44091	234.84	ug/l	99
14) Allyl chloride	2.73	41	135240	53.74	ug/l	98
15) Acrylonitrile	3.16	53	316427	264.63	ug/l	99
16) Acetone	2.45	43	309413	216.71	ug/l	98
17) Carbon Disulfide	2.57	76	177878	46.92	ug/l	100
18) Methyl Acetate	2.79	43	163049	54.47	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	286601	54.37	ug/l	98
20) Methylene Chloride	2.86	84	83087	50.38	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	82691	52.01	ug/l	97
22) Diisopropyl ether	3.89	45	191974	43.09	ug/l	93
23) Vinyl Acetate	3.84	43	884317	209.38	ug/l	100
24) 1,1-Dichloroethane	3.70	63	102256	36.51	ug/l	98
25) 2-Butanone	4.72	43	352367	219.56	ug/l	99
26) 2,2-Dichloropropane	4.60	77	80469	40.99	ug/l	97
27) cis-1,2-Dichloroethene	4.61	96	67515	45.44	ug/l	97
28) Bromochloromethane	5.03	49	76751	66.45	ug/l	99
29) Tetrahydrofuran	5.18	42	230900	233.84	ug/l	99
30) Chloroform	5.23	83	130508	49.71	ug/l	99
31) Cyclohexane	5.59	56	97036	44.81	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	114750	48.45	ug/l	98
36) 1,1-Dichloropropene	5.81	75	90157	45.16	ug/l	98
37) Ethyl Acetate	4.87	43	123658	45.34	ug/l	100
38) Carbon Tetrachloride	5.79	117	98011	46.79	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	111427	45.89	ug/l	98
40) Benzene	6.15	78	277251	47.82	ug/l	99
41) Methacrylonitrile	5.07	41	65199	45.35	ug/l	97
42) 1,2-Dichloroethane	6.21	62	109459	48.12	ug/l	99
43) Isopropyl Acetate	6.48	43	197475	48.64	ug/l	99
44) Trichloroethene	7.22	130	77123	46.43	ug/l	96
45) 1,2-Dichloropropane	7.52	63	74456	50.17	ug/l	100
46) Dibromomethane	7.67	93	54555	46.83	ug/l	96
47) Bromodichloromethane	7.91	83	103263	50.38	ug/l	99
48) Methyl methacrylate	7.79	41	97987	49.72	ug/l	99
49) 1,4-Dioxane	7.77	88	44061	1063.57	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	789345	251.20	ug/l	99
52) Toluene	8.79	92	200391	49.44	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	116495	49.05	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	117653	51.07	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	82450	49.46	ug/l	95
56) Ethyl methacrylate	9.19	69	127300	50.40	ug/l	99
57) 1,3-Dichloropropane	9.38	76	132917	49.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	236218	194.86	ug/l	99
59) 2-Hexanone	9.51	43	657309	246.35	ug/l	99
60) Dibromochloromethane	9.59	129	89509	45.76	ug/l	98
61) 1,2-Dibromoethane	9.68	107	92879	51.96	ug/l	98
64) Tetrachloroethene	9.34	164	77017	43.41	ug/l	97
65) Chlorobenzene	10.15	112	236863	46.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	82170	47.55	ug/l	98
67) Ethyl Benzene	10.26	91	408762	47.39	ug/l	99
68) m/p-Xylenes	10.37	106	337295	99.38	ug/l	98
69) o-Xylene	10.71	106	162120	49.34	ug/l	100
70) Styrene	10.72	104	278981	51.31	ug/l	98
71) Bromoform	10.87	173	73694	41.79	ug/l #	97
73) Isopropylbenzene	11.02	105	452489	45.16	ug/l	99
74) N-amyl acetate	6.48	43	197475	44.88	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	163396	46.11	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	141444m	43.52	ug/l	
77) Bromobenzene	11.26	156	113779	42.63	ug/l	97
78) n-propylbenzene	11.37	91	533524	44.66	ug/l	99
79) 2-Chlorotoluene	11.43	91	305849	44.32	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	395166	46.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	43854	43.69	ug/l	98
82) 4-Chlorotoluene	11.52	91	375638	45.58	ug/l	97
83) tert-Butylbenzene	11.78	119	391005	46.02	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	404735	45.82	ug/l	98
85) sec-Butylbenzene	11.96	105	493364	46.93	ug/l	100
86) p-Isopropyltoluene	12.07	119	447564	47.94	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	228079	45.19	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	241113	45.51	ug/l	98
89) n-Butylbenzene	12.40	91	407752	46.90	ug/l	99
90) Hexachloroethane	12.60	117	67903	46.20	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	236077	47.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	45963	46.51	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	162215	45.73	ug/l	99
94) Hexachlorobutadiene	13.79	225	64404	43.85	ug/l	99
95) Naphthalene	13.84	128	594012	48.07	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	164028	46.80	ug/l	98

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

