

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000506.D
 Acq On : 29 Mar 2018 11:23
 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
 3/30/2018 4:10:17 PM

Quant Time: Mar 29 15:01:46 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	145671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	230667	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	229580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	161170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	90504	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
35) Dibromofluoromethane	5.51	113	71438	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	8.73	98	273428	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	
62) 4-Bromofluorobenzene	11.15	95	116310	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	76032	47.36	ug/l	100
3) Chloromethane	1.32	50	67047	39.64	ug/l	98
4) Vinyl Chloride	1.40	62	84686	47.39	ug/l	99
5) Bromomethane	1.64	94	118786	55.51	ug/l	94
6) Chloroethane	1.72	64	56586	53.07	ug/l	92
7) Trichlorofluoromethane	1.93	101	153300	47.53	ug/l	99
8) Diethyl Ether	2.19	74	54244	47.06	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	83493	46.42	ug/l	97
10) Methyl Iodide	2.51	142	64556	37.40	ug/l	100
11) Tert butyl alcohol	3.07	59	156662	239.52	ug/l	100
12) 1,1-Dichloroethene	2.38	96	72360	45.83	ug/l	94
13) Acrolein	2.30	56	39693	193.56	ug/l	98
14) Allyl chloride	2.73	41	134839	48.35	ug/l	98
15) Acrylonitrile	3.15	53	310557	234.43	ug/l	99
16) Acetone	2.45	43	374589	236.81	ug/l	99
17) Carbon Disulfide	2.57	76	184651	43.96	ug/l	100
18) Methyl Acetate	2.78	43	162924	49.13	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	276571	47.36	ug/l	99
20) Methylene Chloride	2.86	84	82108	44.94	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	78864	44.78	ug/l	96
22) Diisopropyl ether	3.88	45	270506	54.80	ug/l	96
23) Vinyl Acetate	3.83	43	1295648	276.90	ug/l	98
24) 1,1-Dichloroethane	3.70	63	145800	46.98	ug/l	99
25) 2-Butanone	4.71	43	408641	229.83	ug/l	99
26) 2,2-Dichloropropane	4.59	77	100388	46.15	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	72770	44.21	ug/l	98
28) Bromochloromethane	5.03	49	83288	65.08	ug/l	98
29) Tetrahydrofuran	5.17	42	271050	247.77	ug/l	99
30) Chloroform	5.22	83	150448	51.73	ug/l	97
31) Cyclohexane	5.58	56	117428	48.95	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	131959	50.29	ug/l	99
36) 1,1-Dichloropropene	5.81	75	110240	51.02	ug/l	99
37) Ethyl Acetate	4.87	43	141009	47.78	ug/l	100
38) Carbon Tetrachloride	5.79	117	115870	51.12	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	141032	53.67	ug/l	98
40) Benzene	6.15	78	329552	52.52	ug/l	98
41) Methacrylonitrile	5.07	41	74764	48.05	ug/l	97
42) 1,2-Dichloroethane	6.20	62	126687	51.46	ug/l	98
43) Isopropyl Acetate	6.48	43	234006	53.26	ug/l	100
44) Trichloroethene	7.22	130	95145	52.93	ug/l	95
45) 1,2-Dichloropropane	7.52	63	87054	54.20	ug/l	98
46) Dibromomethane	7.67	93	66033	52.38	ug/l	98
47) Bromodichloromethane	7.91	83	124771	56.25	ug/l	99
48) Methyl methacrylate	7.79	41	115827	54.30	ug/l	100
49) 1,4-Dioxane	7.77	88	49962	1114.39	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	895718	263.40	ug/l	100
52) Toluene	8.79	92	220128	50.18	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	141442	55.03	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	135969	54.54	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	93948	52.08	ug/l	98
56) Ethyl methacrylate	9.19	69	145049	53.06	ug/l	99
57) 1,3-Dichloropropane	9.38	76	152055	52.70	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	279795	213.27	ug/l	99
59) 2-Hexanone	9.51	43	766716	265.53	ug/l	100
60) Dibromochloromethane	9.59	129	101827	47.89	ug/l	99
61) 1,2-Dibromoethane	9.68	107	102876	53.18	ug/l	99
64) Tetrachloroethene	9.34	164	89355	50.16	ug/l	96
65) Chlorobenzene	10.15	112	266127	52.09	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	93827	54.07	ug/l	99
67) Ethyl Benzene	10.26	91	456370	52.69	ug/l	99
68) m/p-Xylenes	10.37	106	377608	110.80	ug/l	100
69) o-Xylene	10.71	106	176758	53.57	ug/l	97
70) Styrene	10.72	104	310591	56.88	ug/l	97
71) Bromoform	10.87	173	86122	47.86	ug/l #	98
73) Isopropylbenzene	11.02	105	501178	46.93	ug/l	100
74) N-amyl acetate	6.48	43	234006	50.29	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	183237	48.51	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	162411m	46.89	ug/l	
77) Bromobenzene	11.26	156	127774	44.92	ug/l	99
78) n-propylbenzene	11.37	91	617376	48.49	ug/l	100
79) 2-Chlorotoluene	11.43	91	348792	47.42	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	460529	51.29	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	54992	51.40	ug/l	96
82) 4-Chlorotoluene	11.52	91	442136	50.34	ug/l	99
83) tert-Butylbenzene	11.78	119	452857	50.01	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	472307	50.17	ug/l	99
85) sec-Butylbenzene	11.96	105	572258	51.07	ug/l	100
86) p-Isopropyltoluene	12.07	119	527057	52.96	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	264206	49.12	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	282783	50.08	ug/l	98
89) n-Butylbenzene	12.40	91	494483	53.37	ug/l	100
90) Hexachloroethane	12.60	117	82069	52.40	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	271110	51.41	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48983	46.50	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	187086	49.49	ug/l	99
94) Hexachlorobutadiene	13.79	225	82121	52.46	ug/l	98
95) Naphthalene	13.84	128	655297	49.76	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	188630	50.50	ug/l	99

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

