

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX040418\
 Data File : VX000685.D
 Acq On : 05 Apr 2018 03:39
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 4/5/2018 6:25:30 PM

Quant Time: Apr 05 06:05:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 05 03:34:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	88364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	157278	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	171472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	109269	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	72032	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
35) Dibromofluoromethane	5.51	113	52616	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	8.73	98	220452	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
62) 4-Bromofluorobenzene	11.15	95	88218	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	60052	50.71	ug/l	99
3) Chloromethane	1.32	50	48849	48.20	ug/l	99
4) Vinyl Chloride	1.40	62	67331	50.68	ug/l	98
5) Bromomethane	1.64	94	82851	64.05	ug/l	94
6) Chloroethane	1.72	64	48139	49.24	ug/l	99
7) Trichlorofluoromethane	1.93	101	116005	49.25	ug/l	98
8) Diethyl Ether	2.19	74	42062	48.14	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	63586	49.98	ug/l	98
10) Methyl Iodide	2.51	142	30975	36.00	ug/l	99
11) Tert butyl alcohol	3.09	59	147939	254.10	ug/l	99
12) 1,1-Dichloroethene	2.37	96	58547	48.81	ug/l	95
13) Acrolein	2.30	56	76199	220.78	ug/l	97
14) Allyl chloride	2.73	41	116697	48.51	ug/l	99
15) Acrylonitrile	3.15	53	281739	262.39	ug/l	99
16) Acetone	2.45	43	284911	230.67	ug/l	95
17) Carbon Disulfide	2.57	76	128666	45.64	ug/l	100
18) Methyl Acetate	2.78	43	146179	53.07	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	230574	53.17	ug/l	97
20) Methylene Chloride	2.86	84	67235	47.73	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	62532	48.08	ug/l	95
22) Diisopropyl ether	3.89	45	164159	47.95	ug/l	93
23) Vinyl Acetate	3.83	43	780966	235.92	ug/l	99
24) 1,1-Dichloroethane	3.70	63	111509	49.00	ug/l	99
25) 2-Butanone	4.72	43	331105	264.45	ug/l	97
26) 2,2-Dichloropropane	4.59	77	57375	46.05	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	50927	51.72	ug/l	99
28) Bromochloromethane	5.03	49	45484	53.35	ug/l	98
29) Tetrahydrofuran	5.18	42	216468	268.71	ug/l	99
30) Chloroform	5.23	83	102765	53.27	ug/l	95
31) Cyclohexane	5.59	56	76405	51.56	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	87639	55.20	ug/l	99
36) 1,1-Dichloropropene	5.81	75	71275	48.85	ug/l	99
37) Ethyl Acetate	4.87	43	114785	51.70	ug/l	100
38) Carbon Tetrachloride	5.79	117	72657	51.73	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	81753	48.47	ug/l	95
40) Benzene	6.15	78	210771	50.58	ug/l	100
41) Methacrylonitrile	5.07	41	60190	49.48	ug/l	99
42) 1,2-Dichloroethane	6.21	62	89618	51.43	ug/l	98
43) Isopropyl Acetate	6.48	43	169832	52.76	ug/l	100
44) Trichloroethene	7.22	130	56441	49.03	ug/l	96
45) 1,2-Dichloropropane	7.53	63	58492	52.07	ug/l	99
46) Dibromomethane	7.67	93	42509	51.57	ug/l	99
47) Bromodichloromethane	7.91	83	80108	51.10	ug/l	96
48) Methyl methacrylate	7.79	41	84547	51.24	ug/l	100
49) 1,4-Dioxane	7.76	88	34417	984.19	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	729691	278.70	ug/l	99
52) Toluene	8.79	92	153353	52.09	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	90417	53.35	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	91301	45.89	ug/l	97
55) 1,1,2-Trichloroethane	9.23	97	63669	51.87	ug/l	97
56) Ethyl methacrylate	9.19	69	103018	46.64	ug/l	98
57) 1,3-Dichloropropane	9.38	76	107154	53.31	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	251348	264.77	ug/l	98
59) 2-Hexanone	9.51	43	632608	284.12	ug/l	98
60) Dibromochloromethane	9.59	129	67556	45.04	ug/l	99
61) 1,2-Dibromoethane	9.68	107	70748	53.45	ug/l	98
64) Tetrachloroethene	9.34	164	53737	48.11	ug/l	94
65) Chlorobenzene	10.15	112	180414	51.66	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	60999	51.23	ug/l	97
67) Ethyl Benzene	10.26	91	321895	52.10	ug/l	99
68) m/p-Xylenes	10.37	106	250907	107.75	ug/l	99
69) o-Xylene	10.71	106	118046	51.49	ug/l	99
70) Styrene	10.72	104	213380	55.20	ug/l	98
71) Bromoform	10.87	173	53326	43.95	ug/l #	97
73) Isopropylbenzene	11.02	105	342872	51.90	ug/l	100
74) N-amyl acetate	6.48	43	169832	47.91	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	130380	51.86	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	115960m	48.66	ug/l	
77) Bromobenzene	11.26	156	78779	47.70	ug/l	95
78) n-propylbenzene	11.37	91	421670	52.35	ug/l	100
79) 2-Chlorotoluene	11.43	91	237804	51.97	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	300201	53.21	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	34278	51.57	ug/l	98
82) 4-Chlorotoluene	11.52	91	303446	52.99	ug/l	100
83) tert-Butylbenzene	11.78	119	290680	52.86	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	312943	53.04	ug/l	100
85) sec-Butylbenzene	11.95	105	375212	53.71	ug/l	99
86) p-Isopropyltoluene	12.07	119	335390	55.16	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	163588	50.84	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	176079	50.02	ug/l	99
89) n-Butylbenzene	12.40	91	330157	53.23	ug/l	98
90) Hexachloroethane	12.60	117	53239	51.54	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	167727	49.98	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	39388	54.89	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	114568	50.72	ug/l	99
94) Hexachlorobutadiene	13.79	225	42760	49.41	ug/l	99
95) Naphthalene	13.84	128	436035	53.03	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	114137	50.21	ug/l	98

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

