

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001716.D
 Acq On : 14 May 2018 18:16
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:07 AM

Quant Time: May 15 01:24:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	325648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	425864	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	252748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	208360	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	
35) Dibromofluoromethane	5.51	113	175735	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
50) Toluene-d8	8.72	98	660241	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	11.14	95	231889	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	161015	38.53	ug/l	100
3) Chloromethane	1.32	50	165398	39.91	ug/l	100
4) Vinyl Chloride	1.40	62	184039	42.28	ug/l	100
5) Bromomethane	1.64	94	79748	31.50	ug/l	100
6) Chloroethane	1.72	64	118644	41.52	ug/l	100
7) Trichlorofluoromethane	1.93	101	269382	41.38	ug/l	100
8) Diethyl Ether	2.19	74	108646	42.28	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	158172	41.33	ug/l	100
10) Methyl Iodide	2.51	142	156794	30.52	ug/l	100
11) Tert butyl alcohol	3.08	59	182548	193.92	ug/l	100
12) 1,1-Dichloroethene	2.37	96	152664	43.24	ug/l	100
13) Acrolein	2.30	56	126374	429.91	ug/l	100
14) Allyl chloride	2.73	41	290072	43.99	ug/l	100
15) Acrylonitrile	3.15	53	470747	215.54	ug/l	100
16) Acetone	2.45	43	399549	193.92	ug/l	100
17) Carbon Disulfide	2.57	76	394850	43.99	ug/l	100
18) Methyl Acetate	2.78	43	248912	45.05	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	529981	43.10	ug/l	100
20) Methylene Chloride	2.86	84	170010	41.24	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	167655	42.46	ug/l	100
22) Diisopropyl ether	3.88	45	552151	44.59	ug/l	100
23) Vinyl Acetate	3.83	43	1887134	188.82	ug/l	100
24) 1,1-Dichloroethane	3.70	63	297701	43.29	ug/l	100
25) 2-Butanone	4.71	43	647867	215.18	ug/l	100
26) 2,2-Dichloropropane	4.59	77	246337	46.13	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	194216	45.68	ug/l	100
28) Bromochloromethane	5.03	49	145644	48.13	ug/l	100
29) Tetrahydrofuran	5.17	42	423927	219.43	ug/l	100
30) Chloroform	5.22	83	320024	44.94	ug/l	100
31) Cyclohexane	5.58	56	276493	46.40	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	285448	45.93	ug/l	100
36) 1,1-Dichloropropene	5.81	75	239960	44.96	ug/l	100
37) Ethyl Acetate	4.87	43	251215	43.25	ug/l	100
38) Carbon Tetrachloride	5.79	117	256920	45.42	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	291296	46.16	ug/l	100
40) Benzene	6.15	78	713540	45.78	ug/l	100
41) Methacrylonitrile	5.07	41	143358	43.01	ug/l	100
42) 1,2-Dichloroethane	6.20	62	253865	42.80	ug/l	100
43) Isopropyl Acetate	6.48	43	404657	45.34	ug/l	100
44) Trichloroethene	7.22	130	221095	46.16	ug/l	100
45) 1,2-Dichloropropane	7.53	63	175431	45.12	ug/l	100
46) Dibromomethane	7.67	93	122149	44.55	ug/l	100
47) Bromodichloromethane	7.90	83	236890	46.72	ug/l	100
48) Methyl methacrylate	7.79	41	215753	44.54	ug/l	100
49) 1,4-Dioxane	7.76	88	79362	774.86	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	1310355	221.63	ug/l	100
52) Toluene	8.79	92	470850	46.21	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	286202	49.70	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	243495	47.09	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	174609	42.91	ug/l	100
56) Ethyl methacrylate	9.19	69	261529	44.75	ug/l	100
57) 1,3-Dichloropropane	9.38	76	289975	43.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	698316	241.30	ug/l	100
59) 2-Hexanone	9.50	43	935754	209.28	ug/l	100
60) Dibromochloromethane	9.59	129	190737	46.08	ug/l	100
61) 1,2-Dibromoethane	9.68	107	186849	43.88	ug/l	100
64) Tetrachloroethene	9.34	164	242587	46.86	ug/l	100
65) Chlorobenzene	10.15	112	504298	46.25	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	184934	47.56	ug/l	100
67) Ethyl Benzene	10.26	91	835869	46.82	ug/l	100
68) m/p-Xylenes	10.37	106	667881	94.77	ug/l	100
69) o-Xylene	10.71	106	321020	46.99	ug/l	100
70) Styrene	10.72	104	536425	48.24	ug/l	100
71) Bromoform	10.86	173	156779	49.30	ug/l	100
73) Isopropylbenzene	11.02	105	854405	48.94	ug/l	100
74) N-amyl acetate	6.48	43	404657	50.48	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	242487	47.07	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	246688m	48.13	ug/l	
77) Bromobenzene	11.26	156	244565	48.03	ug/l	100
78) n-propylbenzene	11.37	91	955428	50.16	ug/l	100
79) 2-Chlorotoluene	11.43	91	562078	48.13	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	711400	49.03	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	74228	54.91	ug/l	100
82) 4-Chlorotoluene	11.52	91	660885	49.02	ug/l	100
83) tert-Butylbenzene	11.77	119	694701	48.28	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	736776	49.39	ug/l	100
85) sec-Butylbenzene	11.95	105	862052	49.70	ug/l	100
86) p-Isopropyltoluene	12.07	119	792743	49.93	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	441891	48.62	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	447638	48.27	ug/l	100
89) n-Butylbenzene	12.40	91	681083	51.43	ug/l	100
90) Hexachloroethane	12.60	117	126685	52.42	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	440252	47.73	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	56185	49.84	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	358326	52.47	ug/l	100
94) Hexachlorobutadiene	13.79	225	188771	50.57	ug/l	100
95) Naphthalene	13.84	128	980216	52.25	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	357463	51.24	ug/l	100

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

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