

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001717.D
 Acq On : 14 May 2018 18:43
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:08 AM

Quant Time: May 15 01:26:41 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	332719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	441862	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	383795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	265600	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	420713	89.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.92%	
35) Dibromofluoromethane	5.51	113	364524	93.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.72%	
50) Toluene-d8	8.72	98	1382278	97.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.54%	
62) 4-Bromofluorobenzene	11.14	95	476898	89.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.18%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	325436	76.23	ug/l	100
3) Chloromethane	1.32	50	332898	78.62	ug/l	100
4) Vinyl Chloride	1.40	62	379529	85.33	ug/l	100
5) Bromomethane	1.64	94	158671	61.35	ug/l	97
6) Chloroethane	1.71	64	237583	81.37	ug/l	99
7) Trichlorofluoromethane	1.92	101	543990	81.78	ug/l	98
8) Diethyl Ether	2.19	74	227777	86.75	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	321156	82.13	ug/l	99
10) Methyl Iodide	2.51	142	347533	66.21	ug/l	99
11) Tert butyl alcohol	3.09	59	380116	395.21	ug/l	100
12) 1,1-Dichloroethene	2.37	96	313273	86.84	ug/l	98
13) Acrolein	2.30	56	271199	902.97	ug/l	99
14) Allyl chloride	2.73	41	603957	89.65	ug/l	99
15) Acrylonitrile	3.16	53	977124	437.88	ug/l	99
16) Acetone	2.45	43	815937	387.60	ug/l	99
17) Carbon Disulfide	2.56	76	842877	91.91	ug/l	99
18) Methyl Acetate	2.78	43	518634	91.88	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1083262	86.23	ug/l	99
20) Methylene Chloride	2.85	84	349193	82.90	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	342409	84.87	ug/l	98
22) Diisopropyl ether	3.88	45	1159829	91.68	ug/l	99
23) Vinyl Acetate	3.83	43	3966342	388.42	ug/l	100
24) 1,1-Dichloroethane	3.70	63	610529	86.89	ug/l	100
25) 2-Butanone	4.72	43	1361590	442.63	ug/l	98
26) 2,2-Dichloropropane	4.59	77	512155	93.86	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	403659	92.93	ug/l	99
28) Bromochloromethane	5.03	49	277984	89.91	ug/l	99
29) Tetrahydrofuran	5.18	42	887618	449.69	ug/l	99
30) Chloroform	5.22	83	650800	89.45	ug/l	99
31) Cyclohexane	5.57	56	569016	93.47	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	587192	92.48	ug/l	99
36) 1,1-Dichloropropene	5.80	75	495117	89.40	ug/l	100
37) Ethyl Acetate	4.87	43	528320	87.66	ug/l	100
38) Carbon Tetrachloride	5.79	117	532215	90.68	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	611957	93.46	ug/l	99
40) Benzene	6.15	78	1471064	90.96	ug/l	99
41) Methacrylonitrile	5.07	41	304820	88.13	ug/l	99
42) 1,2-Dichloroethane	6.20	62	514346	83.57	ug/l	100
43) Isopropyl Acetate	6.48	43	864959	93.41	ug/l	99
44) Trichloroethene	7.22	130	451887	90.93	ug/l	98
45) 1,2-Dichloropropane	7.52	63	363012	89.98	ug/l	99
46) Dibromomethane	7.67	93	249946	87.85	ug/l	98
47) Bromodichloromethane	7.90	83	501534	95.33	ug/l	98
48) Methyl methacrylate	7.79	41	458611	91.25	ug/l	98
49) 1,4-Dioxane	7.77	88	181722	1710.02	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	2767276	451.10	ug/l	99
52) Toluene	8.79	92	974333	92.17	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	615429	103.00	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	524977	97.86	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	351336	83.22	ug/l	99
56) Ethyl methacrylate	9.19	69	550103	90.73	ug/l	99
57) 1,3-Dichloropropane	9.38	76	589714	84.64	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1457263	485.31	ug/l	100
59) 2-Hexanone	9.51	43	1949051	420.13	ug/l	99
60) Dibromochloromethane	9.59	129	403372	93.92	ug/l	100
61) 1,2-Dibromoethane	9.68	107	381901	86.43	ug/l	99
64) Tetrachloroethene	9.34	164	472104	89.34	ug/l	99
65) Chlorobenzene	10.15	112	1031098	92.63	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	385070	97.01	ug/l	99
67) Ethyl Benzene	10.26	91	1701037	93.33	ug/l	99
68) m/p-Xylenes	10.37	106	1359055	188.92	ug/l	99
69) o-Xylene	10.71	106	661456	94.85	ug/l	99
70) Styrene	10.72	104	1106858	97.51	ug/l	100
71) Bromoform	10.87	173	351018	108.13	ug/l	99
73) Isopropylbenzene	11.02	105	1743659	95.04	ug/l	100
74) N-amyl acetate	6.48	43	864959	102.69	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	517349	95.57	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	501576m	93.12	ug/l	
77) Bromobenzene	11.26	156	503979	94.19	ug/l	100
78) n-propylbenzene	11.37	91	1955884	97.72	ug/l	100
79) 2-Chlorotoluene	11.43	91	1155695	94.18	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1458655	95.66	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	170800	120.23	ug/l	95
82) 4-Chlorotoluene	11.52	91	1358866	95.91	ug/l	100
83) tert-Butylbenzene	11.77	119	1496663	98.98	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	1516197	96.72	ug/l	100
85) sec-Butylbenzene	11.95	105	1781675	97.75	ug/l	100
86) p-Isopropyltoluene	12.07	119	1656651	99.29	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	929918	97.36	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	936217	96.06	ug/l	100
89) n-Butylbenzene	12.40	91	1437079	103.26	ug/l	99
90) Hexachloroethane	12.60	117	280868	110.59	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	922384	95.15	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	122126	103.08	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	749544	104.45	ug/l	99
94) Hexachlorobutadiene	13.79	225	396404	101.05	ug/l	100
95) Naphthalene	13.84	128	2037055	103.32	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	742438	101.27	ug/l	100

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

