

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
 Data File : VX001940.D
 Acq On : 24 May 2018 12:39
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/25/2018 2:25:52 PM

Quant Time: May 24 13:09:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 12:37:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	328775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	457658	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	437778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	312013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	815093	140.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.14%	
35) Dibromofluoromethane	5.51	113	637001	142.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.62%	
50) Toluene-d8	8.72	98	2379318	144.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.02%	
62) 4-Bromofluorobenzene	11.15	95	988515	153.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	590086	138.03	ug/l	97
3) Chloromethane	1.32	50	678105	139.24	ug/l	100
4) Vinyl Chloride	1.40	62	684993	145.70	ug/l	100
5) Bromomethane	1.64	94	339208	149.76	ug/l	100
7) Trichlorofluoromethane	1.92	101	958102	135.04	ug/l	99
8) Diethyl Ether	2.19	74	361962	139.12	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	530158	136.07	ug/l	99
10) Methyl Iodide	2.50	142	841155	140.02	ug/l	100
11) Tert butyl alcohol	3.11	59	864513	756.68	ug/l	98
12) 1,1-Dichloroethene	2.37	96	512866	141.15	ug/l	97
13) Acrolein	2.30	56	387505	855.42	ug/l	98
14) Allyl chloride	2.72	41	1071973	137.06	ug/l	99
15) Acrylonitrile	3.16	53	1685575	719.78	ug/l	100
16) Acetone	2.46	43	1556240	709.67	ug/l	98
17) Carbon Disulfide	2.56	76	1513705	142.48	ug/l	99
18) Methyl Acetate	2.79	43	810588	143.07	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1948704	139.13	ug/l	100
20) Methylene Chloride	2.85	84	572829	140.77	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	543459	139.07	ug/l	99
22) Diisopropyl ether	3.89	45	1974309	120.31	ug/l	96
23) Vinyl Acetate	3.84	43	8770736	657.29	ug/l	99
24) 1,1-Dichloroethane	3.70	63	1055181	139.56	ug/l	99
25) 2-Butanone	4.73	43	2922550	706.51	ug/l	98
26) 2,2-Dichloropropane	4.59	77	1008870	134.57	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	686512	141.39	ug/l	90
28) Bromochloromethane	5.03	49	466892	135.56	ug/l	98
29) Tetrahydrofuran	5.18	42	1874450	701.14	ug/l	99
30) Chloroform	5.23	83	1178764	140.92	ug/l	98
31) Cyclohexane	5.57	56	1039802	134.44	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	1106099	139.65	ug/l	99
36) 1,1-Dichloropropene	5.80	75	869459	142.43	ug/l	98
37) Ethyl Acetate	4.89	43	1140799	141.23	ug/l	100
38) Carbon Tetrachloride	5.79	117	1013692	142.36	ug/l	99
39) Methylcyclohexane	7.46	83	1038350	139.52	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.15	78	2553185	140.69	ug/l	99
41) Methacrylonitrile	5.08	41	642739	143.13	ug/l	99
42) 1,2-Dichloroethane	6.21	62	1002160	141.46	ug/l	99
43) Isopropyl Acetate	6.48	43	1947547	143.95	ug/l	100
44) Trichloroethene	7.22	130	741476	141.50	ug/l	99
45) 1,2-Dichloropropane	7.52	63	685578	141.73	ug/l	99
46) Dibromomethane	7.67	93	465842	142.70	ug/l	99
47) Bromodichloromethane	7.91	83	977708	142.49	ug/l	100
48) Methyl methacrylate	7.79	41	993960	145.39	ug/l	99
49) 1,4-Dioxane	7.77	88	357086	2897.58	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	5768707	705.03	ug/l	97
52) Toluene	8.79	92	1656166	144.43	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	1159297	143.03	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	1152058	146.99	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	683469	145.53	ug/l	99
56) Ethyl methacrylate	9.19	69	1193398	147.55	ug/l	99
57) 1,3-Dichloropropane	9.38	76	1139361	144.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	2666533	731.09	ug/l	98
59) 2-Hexanone	9.51	43	4543685	717.52	ug/l	98
60) Dibromochloromethane	9.59	129	858467	149.84	ug/l	99
61) 1,2-Dibromoethane	9.68	107	748337	148.50	ug/l	100
64) Tetrachloroethene	9.34	164	830910	137.90	ug/l	99
65) Chlorobenzene	10.15	112	1921865	144.20	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	768976	143.96	ug/l	100
67) Ethyl Benzene	10.26	91	3276901	140.03	ug/l	99
68) m/p-Xylenes	10.37	106	2528470	283.96	ug/l	97
69) o-Xylene	10.71	106	1260455	142.87	ug/l	99
70) Stvrene	10.72	104	2156451	145.56	ug/l	100
71) Bromoform	10.87	173	808382	155.50	ug/l #	99
73) Isopropylbenzene	11.02	105	3360596	133.49	ug/l	99
74) N-amyl acetate	6.48	43	1947547	131.44	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	1070535	145.51	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	1082995m	157.15	ug/l	
77) Bromobenzene	11.26	156	952176	142.24	ug/l	97
78) n-propylbenzene	11.37	91	3804554	133.15	ug/l	98
79) 2-Chlorotoluene	11.43	91	2334493	136.38	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2915706	135.84	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	411330	141.96	ug/l	98
82) 4-Chlorotoluene	11.52	91	2749621	137.71	ug/l	99
83) tert-Butylbenzene	11.77	119	2910492	139.74	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	3017530	136.98	ug/l	99
85) sec-Butylbenzene	11.95	105	3474590	136.18	ug/l	99
86) p-Isopropyltoluene	12.07	119	3183528	138.99	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	1735598	145.28	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1744353	145.11	ug/l	99
89) n-Butylbenzene	12.40	91	2804548	140.95	ug/l	99
90) Hexachloroethane	12.60	117	628801	140.10	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	1740358	141.95	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	315720	140.77	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	1326933	148.00	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	694556	145.01	ug/l	99
95) Naphthalene	13.84	128	3846059	139.85	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	1332296	144.68	ug/l	100

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

