

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001715.D
 Acq On : 14 May 2018 17:50
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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

Quant Time: May 15 01:22:35 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	322329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	423191	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	252797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	90113	19.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.56%	
35) Dibromofluoromethane	5.51	113	74186	19.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.88%	
50) Toluene-d8	8.72	98	278154	20.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.88%	
62) 4-Bromofluorobenzene	11.14	95	95930	18.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67221	16.25	ug/l	99
3) Chloromethane	1.32	50	71252	17.37	ug/l	100
4) Vinyl Chloride	1.40	62	77918	18.08	ug/l	98
5) Bromomethane	1.64	94	44003	17.56	ug/l	98
6) Chloroethane	1.73	64	50837	17.97	ug/l	100
7) Trichlorofluoromethane	1.93	101	115072	17.86	ug/l	99
8) Diethyl Ether	2.19	74	46690	18.36	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	67997	17.95	ug/l	99
10) Methyl Iodide	2.51	142	55593	10.93	ug/l	99
11) Tert butyl alcohol	3.08	59	76490	82.09	ug/l	99
12) 1,1-Dichloroethene	2.37	96	65406	18.71	ug/l	98
13) Acrolein	2.29	56	54029	185.69	ug/l	99
14) Allyl chloride	2.73	41	119848	18.36	ug/l	100
15) Acrylonitrile	3.15	53	198899	92.01	ug/l	100
16) Acetone	2.45	43	174835	85.73	ug/l	99
17) Carbon Disulfide	2.57	76	158855	17.88	ug/l	98
18) Methyl Acetate	2.78	43	104354	19.08	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	223124	18.33	ug/l	99
20) Methylene Chloride	2.86	84	72667	17.81	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	69838	17.87	ug/l	96
22) Diisopropyl ether	3.88	45	226087	18.45	ug/l	99
23) Vinyl Acetate	3.83	43	763721	77.20	ug/l	100
24) 1,1-Dichloroethane	3.70	63	125030	18.37	ug/l	99
25) 2-Butanone	4.71	43	268410	90.07	ug/l	99
26) 2,2-Dichloropropane	4.59	77	101962	19.29	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	79513	18.89	ug/l	99
28) Bromochloromethane	5.03	49	59848	19.98	ug/l	98
29) Tetrahydrofuran	5.17	42	171122	89.49	ug/l	100
30) Chloroform	5.22	83	134055	19.02	ug/l	99
31) Cyclohexane	5.58	56	111471	18.90	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	116837	18.99	ug/l	99
36) 1,1-Dichloropropene	5.81	75	97652	18.41	ug/l	100
37) Ethyl Acetate	4.87	43	103710	17.97	ug/l	99
38) Carbon Tetrachloride	5.79	117	104871	18.66	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	116744	18.62	ug/l	98
40) Benzene	6.15	78	296402	19.14	ug/l	100
41) Methacrylonitrile	5.07	41	59848	18.07	ug/l	98
42) 1,2-Dichloroethane	6.20	62	109209	18.53	ug/l	100
43) Isopropyl Acetate	6.48	43	161965	18.26	ug/l	100
44) Trichloroethene	7.22	130	89761	18.86	ug/l	98
45) 1,2-Dichloropropane	7.52	63	73558	19.04	ug/l	99
46) Dibromomethane	7.67	93	50315	18.47	ug/l	99
47) Bromodichloromethane	7.90	83	94001	18.66	ug/l	97
48) Methyl methacrylate	7.78	41	85657	17.80	ug/l	98
49) 1,4-Dioxane	7.76	88	32542	319.73	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	534010	90.89	ug/l	99
52) Toluene	8.79	92	194234	19.18	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	111902	19.55	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	95368	18.56	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	73257	18.12	ug/l	98
56) Ethyl methacrylate	9.19	69	104107	17.93	ug/l	99
57) 1,3-Dichloropropane	9.38	76	122987	18.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	272927	94.90	ug/l	100
59) 2-Hexanone	9.50	43	387325	87.17	ug/l	99
60) Dibromochloromethane	9.59	129	74246	18.05	ug/l	100
61) 1,2-Dibromoethane	9.68	107	78458	18.54	ug/l	100
64) Tetrachloroethene	9.34	164	101401	19.63	ug/l	99
65) Chlorobenzene	10.15	112	211991	19.48	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	76809	19.79	ug/l	97
67) Ethyl Benzene	10.26	91	344259	19.32	ug/l	98
68) m/p-Xylenes	10.37	106	274842	39.08	ug/l	99
69) o-Xylene	10.71	106	130954	19.21	ug/l	98
70) Styrene	10.72	104	219246	19.76	ug/l	99
71) Bromoform	10.87	173	58939	18.57	ug/l	99
73) Isopropylbenzene	11.02	105	353753	20.26	ug/l	100
74) N-amyl acetate	6.48	43	161965	20.20	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	102243	19.84	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	100810m	19.66	ug/l	
77) Bromobenzene	11.26	156	101572	19.94	ug/l	99
78) n-propylbenzene	11.37	91	398135	20.90	ug/l	99
79) 2-Chlorotoluene	11.43	91	236529	20.25	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	293957	20.25	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	27368	20.24	ug/l	92
82) 4-Chlorotoluene	11.52	91	278387	20.64	ug/l	99
83) tert-Butylbenzene	11.77	119	281838	19.58	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	305212	20.46	ug/l	99
85) sec-Butylbenzene	11.95	105	355686	20.50	ug/l	100
86) p-Isopropyltoluene	12.07	119	330024	20.78	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	184959	20.35	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	187526	20.22	ug/l	99
89) n-Butylbenzene	12.40	91	275974	20.83	ug/l	100
90) Hexachloroethane	12.60	117	47925	19.82	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	184447	19.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21742	19.28	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	140242	20.53	ug/l	99
94) Hexachlorobutadiene	13.79	225	76543	20.50	ug/l	99
95) Naphthalene	13.84	128	385920	20.57	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	143941	20.63	ug/l	100

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

