

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001914.D
 Acq On : 23 May 2018 00:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:47 AM

Quant Time: May 23 01:17:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	318969	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	269232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	181643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	165527	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	5.51	113	143910	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
50) Toluene-d8	8.72	98	523791	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
62) 4-Bromofluorobenzene	11.15	95	171826	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	109741	44.32	ug/l	99
3) Chloromethane	1.32	50	130020	48.61	ug/l	99
4) Vinyl Chloride	1.40	62	138426	47.87	ug/l	100
5) Bromomethane	1.64	94	59347	48.68	ug/l	95
6) Chloroethane	1.72	64	91831	50.42	ug/l	99
7) Trichlorofluoromethane	1.93	101	205180	48.83	ug/l	100
8) Diethyl Ether	2.19	74	89356	51.66	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	121673	48.10	ug/l	99
10) Methyl Iodide	2.51	142	142148	61.07	ug/l	99
11) Tert butyl alcohol	3.09	59	184155	313.62	ug/l	100
12) 1,1-Dichloroethene	2.37	96	115696	47.44	ug/l	97
13) Acrolein	2.30	56	49828	119.65	ug/l	97
14) Allyl chloride	2.73	41	234738	52.07	ug/l	98
15) Acrylonitrile	3.15	53	430456	291.87	ug/l	100
16) Acetone	2.45	43	377190	290.37	ug/l	98
17) Carbon Disulfide	2.57	76	251066	39.46	ug/l	99
18) Methyl Acetate	2.78	43	248472	65.43	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	438362	53.33	ug/l	98
20) Methylene Chloride	2.86	84	139025	50.00	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	125411	46.68	ug/l	98
22) Diisopropyl ether	3.88	45	486583	56.27	ug/l	99
23) Vinyl Acetate	3.83	43	1631718	261.89	ug/l	99
24) 1,1-Dichloroethane	3.70	63	248244	52.34	ug/l	100
25) 2-Butanone	4.72	43	633773	318.67	ug/l	98
26) 2,2-Dichloropropane	4.59	77	137907	36.12	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	159296	52.11	ug/l	98
28) Bromochloromethane	5.03	49	133353	63.30	ug/l	99
29) Tetrahydrofuran	5.18	42	409812	316.12	ug/l	98
30) Chloroform	5.22	83	273483	54.90	ug/l	98
31) Cyclohexane	5.58	56	205517	49.44	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	232298	53.96	ug/l	99
36) 1,1-Dichloropropene	5.80	75	186718	50.85	ug/l	99
37) Ethyl Acetate	4.87	43	234113	61.18	ug/l	99
38) Carbon Tetrachloride	5.78	117	206734	53.75	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	209629	48.86	ug/l	97
40) Benzene	6.15	78	587408	54.30	ug/l	100
41) Methacrylonitrile	5.07	41	134921	60.97	ug/l	99
42) 1,2-Dichloroethane	6.20	62	215793	55.15	ug/l	99
43) Isopropyl Acetate	6.48	43	358568	59.87	ug/l	99
44) Trichloroethene	7.22	130	178490	53.16	ug/l	100
45) 1,2-Dichloropropane	7.52	63	152212	57.34	ug/l	98
46) Dibromomethane	7.67	93	103071	55.29	ug/l	99
47) Bromodichloromethane	7.90	83	205248	59.34	ug/l	98
48) Methyl methacrylate	7.79	41	196390	62.30	ug/l	97
49) 1,4-Dioxane	7.76	88	85459	1407.95	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1261852	332.46	ug/l	99
52) Toluene	8.79	92	381540	54.89	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	223122	54.82	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	202174	56.36	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	152295	57.31	ug/l	98
56) Ethyl methacrylate	9.19	69	213712	56.71	ug/l	100
57) 1,3-Dichloropropane	9.38	76	247315	55.59	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	605978	312.62	ug/l	100
59) 2-Hexanone	9.51	43	845743	311.28	ug/l	99
60) Dibromochloromethane	9.59	129	154466	56.77	ug/l	100
61) 1,2-Dibromoethane	9.68	107	150239	54.01	ug/l	99
64) Tetrachloroethene	9.34	164	214418	61.18	ug/l	100
65) Chlorobenzene	10.15	112	391688	52.89	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	150101	57.39	ug/l	99
67) Ethyl Benzene	10.26	91	633244	53.50	ug/l	100
68) m/p-Xylenes	10.37	106	507961	108.78	ug/l	100
69) o-Xylene	10.71	106	247001	55.23	ug/l	100
70) Styrene	10.72	104	419768	56.91	ug/l	100
71) Bromoform	10.87	173	129611	53.05	ug/l	100
73) Isopropylbenzene	11.02	105	669018	55.93	ug/l	100
74) N-amyl acetate	6.48	43	358568	62.52	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	204789	57.07	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	202394m	58.60	ug/l	
77) Bromobenzene	11.26	156	192338	54.72	ug/l	99
78) n-propylbenzene	11.37	91	742210	55.07	ug/l	99
79) 2-Chlorotoluene	11.43	91	442914	54.95	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	555519	56.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	52662	45.74	ug/l	96
82) 4-Chlorotoluene	11.52	91	515750	54.32	ug/l	99
83) tert-Butylbenzene	11.77	119	539816	55.28	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	576333	56.71	ug/l	100
85) sec-Butylbenzene	11.95	105	676352	56.10	ug/l	100
86) p-Isopropyltoluene	12.07	119	620529	55.63	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	345329	53.12	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	348241	51.81	ug/l	100
89) n-Butylbenzene	12.40	91	506826	52.53	ug/l	100
90) Hexachloroethane	12.60	117	100899	58.24	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	352707	54.46	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49497	64.63	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	270873	52.47	ug/l	99
94) Hexachlorobutadiene	13.79	225	146697	52.93	ug/l	100
95) Naphthalene	13.84	128	793060	59.10	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	283564	54.54	ug/l	100

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

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