

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001814.D
 Acq On : 18 May 2018 08:14
 Operator : JC/MD
 Sample : J2923-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-NPW-Precision-Bias-3

Quant Time: May 18 10:09:38 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 18 10:06:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	62223	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	315572	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	251858	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	121568	30.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.77%
60) 4-Bromofluorobenzene	11.14	95	112216	29.97	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.90%
63) Toluene-d8	8.72	98	383489	30.13	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.43%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	14173	8.26	ug/l	98
3) Chloromethane	1.32	50	18048	5.52	ug/l	98
4) Vinyl Chloride	1.40	62	17563	6.18	ug/l	98
5) Bromomethane	1.64	94	9942	5.33	ug/l	95
6) Chloroethane	1.72	64	10977	5.20	ug/l	95
7) Trichlorofluoromethane	1.93	101	24893	7.85	ug/l	98
8) Diethyl Ether	2.19	74	10822	4.86	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	14972	8.35	ug/l	100
10) 1,1-Dichloroethene	2.37	96	14908	6.79	ug/l	98
11) Methyl Iodide	2.51	142	15210	4.38	ug/l	97
12) Methyl Acetate	2.78	43	24500	4.59	ug/l	99
13) Acrolein	2.30	56	16721	26.26	ug/l	99
14) Acrylonitrile	3.15	53	48083	23.67	ug/l	100
15) Acetone	2.45	58	13679	24.67	ug/l	96
16) Carbon Disulfide	2.57	76	34120	6.21	ug/l	100
17) Allyl chloride	2.73	41	25140	5.12	ug/l	99
18) Methylene Chloride	2.86	84	17795	5.27	ug/l	99
19) trans-1,2-Dichloroethene	3.17	96	16167	5.97	ug/l	99
20) Diisopropyl ether	3.88	45	52144	4.88	ug/l	99
21) 1,1-Dichloroethane	3.70	63	29513	5.40	ug/l	97
22) cis-1,2-Dichloroethene	4.60	96	18777	5.34	ug/l	91
23) tert-Butyl Alcohol	3.09	59	20084	23.78	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	50958	4.88	ug/l	97
25) Chloroform	5.22	83	32024	5.49	ug/l	97
26) Cyclohexane	5.58	56	24109	8.10	ug/l	# 99
29) 1,1-Dichloropropene	5.81	75	20933	5.85	ug/l	98
30) 2-Butanone	4.72	43	67117	20.79	ug/l	99
31) 2,2-Dichloropropane	4.59	77	9908	4.38	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	25510	5.38	ug/l	99
33) Carbon Tetrachloride	5.78	117	21382	5.64	ug/l	94
34) Benzene	6.15	78	69071	4.83	ug/l	97
35) Methacrylonitrile	5.07	41	14444	4.20	ug/l	88
36) 1,2-Dichloroethane	6.21	62	24271	4.34	ug/l	97
37) Trichloroethene	7.22	130	20712	5.30	ug/l	97
38) Methylcyclohexane	7.46	83	23389	7.09	ug/l	97
39) 1,2-Dichloropropane	7.53	63	16673	4.38	ug/l	95
40) Dibromomethane	7.67	93	11874	4.35	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	20347	4.23	ug/l	97
42) Vinyl Acetate	3.83	43	209688	23.97	ug/l	99
43) Ethyl Acetate	4.87	43	24467	3.98	ug/l	95
44) Isopropyl Acetate	6.48	43	36189	4.06	ug/l	99
45) 1,4-Dioxane	7.76	88	8916	81.72	ug/l	98
46) Methyl methacrylate	7.79	41	18460	3.93	ug/l	98
47) n-amyl Acetate	10.90	43	23706	3.84	ug/l	95
48) t-1,3-Dichloropropene	8.44	75	19294	3.81	ug/l	98
49) cis-1,3-Dichloropropene	9.05	75	17196	3.88	ug/l	99
50) 1,1,2-Trichloroethane	9.22	97	15439	4.12	ug/l	96
51) Ethyl methacrylate	9.19	69	19797	3.88	ug/l	99
52) 1,3-Dichloropropane	9.38	76	25900	4.35	ug/l	96
53) Dibromochloromethane	9.59	129	14340	3.93	ug/l	99
54) 1,2-Dibromoethane	9.68	107	16048	4.22	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	59222	19.88	ug/l	99
56) Bromoform	10.87	173	11193	3.76	ug/l	97
58) 4-Methyl-2-Pentanone	8.66	43	124546	19.78	ug/l	99
59) 2-Hexanone	9.51	43	79997	19.37	ug/l	98
61) Tetrachloroethene	9.34	164	21601	5.82	ug/l	96
62) Toluene	8.79	91	75121	5.17	ug/l	99
64) Chlorobenzene	10.14	112	43474	5.10	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.23	131	15229	4.43	ug/l	98
66) Ethyl Benzene	10.26	91	65031	5.38	ug/l	100
67) m/p-Xylenes	10.37	106	51122	10.58	ug/l	96
68) o-Xylene	10.71	106	25907	5.21	ug/l	99
69) Styrene	10.72	104	39555	4.77	ug/l	98
70) Isopropylbenzene	11.02	105	68230	5.85	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	22953	4.33	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	23900	4.74	ug/l	89
73) Bromobenzene	11.26	156	21029	5.08	ug/l	99
74) n-propylbenzene	11.37	91	72126	5.94	ug/l	99
75) 2-Chlorotoluene	11.43	91	47576	5.69	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	54684	5.63	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	3552	3.30	ug/l	85
78) 4-Chlorotoluene	11.52	91	51240	5.55	ug/l	99
79) tert-butylbenzene	12.07	119	54909	5.73	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	55238	5.51	ug/l	99
81) sec-Butylbenzene	11.95	105	63569	6.05	ug/l	99
82) p-Isopropyltoluene	12.07	119	54909	5.73	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	36090	5.60	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	35009	5.47	ug/l	99
85) n-Butylbenzene	12.40	91	39836	5.73	ug/l	99
86) Hexachloroethane	12.60	117	9189	5.76	ug/l	96
87) 1,2-Dichlorobenzene	12.40	146	36598	5.23	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	4303	3.83	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	23336	5.29	ug/l	100
90) Hexachlorobutadiene	13.79	225	13550	6.27	ug/l	98
91) Naphthalene	13.84	128	64632	4.21	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	25729	5.19	ug/l	99

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

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