

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001813.D
 Acq On : 18 May 2018 07:47
 Operator : JC/MD
 Sample : J2923-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-NPW-Precision-Bias-2

Quant Time: May 18 10:09:16 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	5.02	128	63485	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	316635	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	256171	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	121647	29.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.80%
60) 4-Bromofluorobenzene	11.14	95	114841	30.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.50%
63) Toluene-d8	8.72	98	390804	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	14226	8.12	ug/l	98
3) Chloromethane	1.32	50	18077	5.42	ug/l	98
4) Vinyl Chloride	1.40	62	17756	6.12	ug/l	99
5) Bromomethane	1.64	94	9925	5.22	ug/l	95
6) Chloroethane	1.72	64	11496	5.34	ug/l	98
7) Trichlorofluoromethane	1.93	101	24228	7.49	ug/l	94
8) Diethyl Ether	2.19	74	10604	4.66	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	15079	8.25	ug/l	99
10) 1,1-Dichloroethene	2.37	96	14343	6.40	ug/l	100
11) Methyl Iodide	2.51	142	13902	3.93	ug/l	99
12) Methyl Acetate	2.78	43	24268	4.46	ug/l	97
13) Acrolein	2.29	56	16847	25.93	ug/l	99
14) Acrylonitrile	3.15	53	48238	23.28	ug/l	97
15) Acetone	2.45	58	13637	24.10	ug/l	93
16) Carbon Disulfide	2.57	76	33822	6.04	ug/l	95
17) Allyl chloride	2.73	41	24794	4.95	ug/l	97
18) Methylene Chloride	2.86	84	17617	5.11	ug/l	96
19) trans-1,2-Dichloroethene	3.17	96	15558	5.63	ug/l	97
20) Diisopropyl ether	3.88	45	50894	4.67	ug/l	99
21) 1,1-Dichloroethane	3.70	63	29539	5.29	ug/l	97
22) cis-1,2-Dichloroethene	4.60	96	18374	5.13	ug/l	89
23) tert-Butyl Alcohol	3.08	59	21515	24.97	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	49861	4.68	ug/l	99
25) Chloroform	5.22	83	30773	5.17	ug/l	99
26) Cyclohexane	5.57	56	23715	7.81	ug/l	# 95
29) 1,1-Dichloropropene	5.80	75	20144	5.61	ug/l	98
30) 2-Butanone	4.71	43	66461	20.52	ug/l	99
31) 2,2-Dichloropropane	4.58	77	10090	4.44	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	24713	5.19	ug/l	99
33) Carbon Tetrachloride	5.79	117	21830	5.74	ug/l	94
34) Benzene	6.15	78	66009	4.60	ug/l	97
35) Methacrylonitrile	5.07	41	13741	3.99	ug/l	94
36) 1,2-Dichloroethane	6.20	62	24047	4.29	ug/l	98
37) Trichloroethene	7.22	130	20209	5.15	ug/l	97
38) Methylcyclohexane	7.46	83	23424	7.07	ug/l	96
39) 1,2-Dichloropropane	7.52	63	16738	4.38	ug/l	100
40) Dibromomethane	7.67	93	11302	4.12	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	19393	4.02	ug/l	98
42) Vinyl Acetate	3.83	43	206249	23.50	ug/l	99
43) Ethyl Acetate	4.87	43	23827	3.86	ug/l	94
44) Isopropyl Acetate	6.48	43	35978	4.02	ug/l	97
45) 1,4-Dioxane	7.77	88	8855	80.89	ug/l	99
46) Methyl methacrylate	7.79	41	18178	3.86	ug/l	96
47) n-amyl Acetate	10.90	43	23442	3.78	ug/l	99
48) t-1,3-Dichloropropene	8.44	75	19617	3.86	ug/l	97
49) cis-1,3-Dichloropropene	9.05	75	16831	3.79	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	15842	4.21	ug/l	98
51) Ethyl methacrylate	9.19	69	19508	3.81	ug/l	95
52) 1,3-Dichloropropane	9.38	76	25219	4.22	ug/l	98
53) Dibromochloromethane	9.59	129	14240	3.89	ug/l	98
54) 1,2-Dibromoethane	9.68	107	16050	4.21	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	58948	19.72	ug/l	99
56) Bromoform	10.86	173	10901	3.65	ug/l #	40
58) 4-Methyl-2-Pentanone	8.66	43	122694	19.16	ug/l	98
59) 2-Hexanone	9.51	43	80804	19.24	ug/l	98
61) Tetrachloroethene	9.34	164	21624	5.73	ug/l	94
62) Toluene	8.79	91	72690	4.91	ug/l	100
64) Chlorobenzene	10.15	112	43425	5.01	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	14986	4.29	ug/l	98
66) Ethyl Benzene	10.26	91	66056	5.37	ug/l	99
67) m/p-Xylenes	10.37	106	50609	10.30	ug/l	98
68) o-Xylene	10.70	106	25133	4.97	ug/l	98
69) Styrene	10.72	104	39197	4.65	ug/l	99
70) Isopropylbenzene	11.02	105	65604	5.53	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	22464	4.16	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	23527	4.58	ug/l	89
73) Bromobenzene	11.26	156	20445	4.86	ug/l	99
74) n-propylbenzene	11.37	91	70339	5.69	ug/l	99
75) 2-Chlorotoluene	11.43	91	46888	5.51	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	53961	5.47	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	3799	3.47	ug/l	85
78) 4-Chlorotoluene	11.52	91	49829	5.31	ug/l	100
79) tert-butylbenzene	12.07	119	55260	5.67	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	54772	5.37	ug/l	99
81) sec-Butylbenzene	11.95	105	63441	5.93	ug/l	99
82) p-Isopropyltoluene	12.07	119	55260	5.67	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	35150	5.36	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	34754	5.34	ug/l	99
85) n-Butylbenzene	12.40	91	39247	5.55	ug/l	99
86) Hexachloroethane	12.60	117	9132	5.62	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	37155	5.22	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.01	75	4491	3.93	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	23039	5.14	ug/l	100
90) Hexachlorobutadiene	13.79	225	13014	5.92	ug/l	96
91) Naphthalene	13.84	128	64499	4.13	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	24963	4.95	ug/l	98

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

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