

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001815.D
 Acq On : 18 May 2018 08:40
 Operator : JC/MD
 Sample : J2923-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-NPW-Precision-Bias-4

Quant Time: May 18 10:10:01 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	64304	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	319853	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	258983	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	123744	29.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.23%
60) 4-Bromofluorobenzene	11.14	95	116089	30.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.50%
63) Toluene-d8	8.72	98	397286	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	12771	7.20	ug/l	99
3) Chloromethane	1.32	50	18128	5.36	ug/l	96
4) Vinyl Chloride	1.40	62	17260	5.88	ug/l	98
5) Bromomethane	1.64	94	9377	4.87	ug/l	97
6) Chloroethane	1.72	64	11039	5.06	ug/l	97
7) Trichlorofluoromethane	1.93	101	24371	7.44	ug/l	99
8) Diethyl Ether	2.19	74	10608	4.61	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	13699	7.40	ug/l	97
10) 1,1-Dichloroethene	2.37	96	14572	6.42	ug/l	98
11) Methyl Iodide	2.51	142	15140	4.22	ug/l	95
12) Methyl Acetate	2.78	43	24222	4.39	ug/l	98
13) Acrolein	2.29	56	16809	25.55	ug/l	99
14) Acrylonitrile	3.15	53	48628	23.17	ug/l	99
15) Acetone	2.45	58	13358	23.31	ug/l	98
16) Carbon Disulfide	2.57	76	32593	5.74	ug/l	100
17) Allyl chloride	2.73	41	25358	5.00	ug/l	97
18) Methylene Chloride	2.86	84	17221	4.93	ug/l	97
19) trans-1,2-Dichloroethene	3.16	96	15365	5.49	ug/l	97
20) Diisopropyl ether	3.88	45	52135	4.72	ug/l	99
21) 1,1-Dichloroethane	3.70	63	29143	5.16	ug/l	97
22) cis-1,2-Dichloroethene	4.60	96	18199	5.01	ug/l	90
23) tert-Butyl Alcohol	3.09	59	20801	23.84	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	48939	4.53	ug/l	98
25) Chloroform	5.22	83	30314	5.03	ug/l	97
26) Cyclohexane	5.57	56	22585	7.34	ug/l	# 98
29) 1,1-Dichloropropene	5.80	75	19943	5.50	ug/l	98
30) 2-Butanone	4.72	43	65313	19.96	ug/l	100
31) 2,2-Dichloropropane	4.59	77	9739	4.25	ug/l	# 76
32) 1,1,1-Trichloroethane	5.49	97	24961	5.19	ug/l	99
33) Carbon Tetrachloride	5.79	117	21745	5.66	ug/l	95
34) Benzene	6.15	78	67624	4.67	ug/l	98
35) Methacrylonitrile	5.07	41	13861	3.98	ug/l	95
36) 1,2-Dichloroethane	6.20	62	23699	4.18	ug/l	100
37) Trichloroethene	7.22	130	19369	4.89	ug/l	94
38) Methylcyclohexane	7.46	83	20325	6.08	ug/l	99
39) 1,2-Dichloropropane	7.52	63	16695	4.32	ug/l	97
40) Dibromomethane	7.67	93	11307	4.08	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	19615	4.02	ug/l	97
42) Vinyl Acetate	3.83	43	204307	23.04	ug/l	99
43) Ethyl Acetate	4.87	43	25701	4.12	ug/l	96
44) Isopropyl Acetate	6.48	43	34999	3.87	ug/l	100
45) 1,4-Dioxane	7.76	88	8555	77.37	ug/l	95
46) Methyl methacrylate	7.79	41	18434	3.87	ug/l	98
47) n-amyl Acetate	10.91	43	23756	3.80	ug/l	100
48) t-1,3-Dichloropropene	8.44	75	19642	3.83	ug/l	94
49) cis-1,3-Dichloropropene	9.05	75	16481	3.67	ug/l	100
50) 1,1,2-Trichloroethane	9.22	97	16418	4.32	ug/l	97
51) Ethyl methacrylate	9.19	69	21929	4.24	ug/l	93
52) 1,3-Dichloropropane	9.38	76	25707	4.26	ug/l	99
53) Dibromochloromethane	9.59	129	13961	3.78	ug/l	99
54) 1,2-Dibromoethane	9.68	107	15825	4.11	ug/l	97
55) 2-Chloroethyl vinyl ether	8.32	63	58798	19.48	ug/l	100
56) Bromoform	10.86	173	11028	3.65	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	119400	18.44	ug/l	99
59) 2-Hexanone	9.51	43	80142	18.87	ug/l	96
61) Tetrachloroethene	9.34	164	20467	5.37	ug/l	95
62) Toluene	8.79	91	72587	4.85	ug/l	99
64) Chlorobenzene	10.15	112	41593	4.75	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	14959	4.23	ug/l	99
66) Ethyl Benzene	10.26	91	64685	5.20	ug/l	97
67) m/p-Xylenes	10.37	106	51092	10.28	ug/l	99
68) o-Xylene	10.71	106	24342	4.76	ug/l	96
69) Styrene	10.72	104	38861	4.56	ug/l	99
70) Isopropylbenzene	11.02	105	66137	5.51	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	22417	4.11	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	23092	4.45	ug/l	93
73) Bromobenzene	11.26	156	20893	4.91	ug/l	96
74) n-propylbenzene	11.37	91	69305	5.55	ug/l	99
75) 2-Chlorotoluene	11.43	91	46070	5.36	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	52905	5.30	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	3573	3.23	ug/l	84
78) 4-Chlorotoluene	11.52	91	50004	5.27	ug/l	99
79) tert-butylbenzene	12.07	119	53228	5.41	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	53325	5.17	ug/l	98
81) sec-Butylbenzene	11.95	105	62905	5.82	ug/l	99
82) p-Isopropyltoluene	12.07	119	53228	5.41	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	34378	5.19	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	34269	5.21	ug/l	99
85) n-Butylbenzene	12.40	91	38017	5.32	ug/l	99
86) Hexachloroethane	12.60	117	8962	5.46	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	36719	5.10	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	4284	3.71	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	22163	4.89	ug/l	99
90) Hexachlorobutadiene	13.79	225	12796	5.76	ug/l	98
91) Naphthalene	13.84	128	63570	4.02	ug/l	99
92) 1,2,3-Trichlorobenzene	14.03	180	24967	4.90	ug/l	98

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

