

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001816.D
 Acq On : 18 May 2018 09:07
 Operator : JC/MD
 Sample : VX0517WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBS01

Quant Time: May 18 09:26:29 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 18 07:23:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	63400	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	318512	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	255274	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	120883	29.50	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.33%
60) 4-Bromofluorobenzene	11.14	95	118143	31.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.77%
63) Toluene-d8	8.72	98	396054	30.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.33%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	62098	35.51	ug/l	96
3) Chloromethane	1.32	50	75344	22.60	ug/l	96
4) Vinyl Chloride	1.40	62	75808	26.18	ug/l	100
5) Bromomethane	1.64	94	45279	25.26	ug/l	96
6) Chloroethane	1.73	64	48112	22.37	ug/l	98
7) Trichlorofluoromethane	1.93	101	102766	31.81	ug/l	99
8) Diethyl Ether	2.19	74	44570	19.63	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	60573	33.17	ug/l	99
10) 1,1-Dichloroethene	2.37	96	59228	26.48	ug/l	99
11) Methyl Iodide	2.51	142	76016	21.50	ug/l	98
12) Methyl Acetate	2.78	43	107836	19.84	ug/l	100
13) Acrolein	2.30	56	56895	87.70	ug/l	99
14) Acrylonitrile	3.15	53	200407	96.84	ug/l	99
15) Acetone	2.45	58	55991	99.09	ug/l	99
16) Carbon Disulfide	2.57	76	143845	25.71	ug/l	99
17) Allyl chloride	2.73	41	107120	21.43	ug/l	98
18) Methylene Chloride	2.86	84	69483	20.19	ug/l	97
19) trans-1,2-Dichloroethene	3.17	96	63941	23.18	ug/l	95
20) Diisopropyl ether	3.88	45	224032	20.59	ug/l	97
21) 1,1-Dichloroethane	3.70	63	120933	21.70	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	76950	21.50	ug/l	100
23) tert-Butyl Alcohol	3.08	59	85502	99.37	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	210135	19.74	ug/l	100
25) Chloroform	5.22	83	127176	21.41	ug/l	99
26) Cyclohexane	5.58	56	105463	34.76	ug/l	# 99
29) 1,1-Dichloropropene	5.81	75	89711	24.83	ug/l	100
30) 2-Butanone	4.71	43	282523	86.70	ug/l	99
31) 2,2-Dichloropropane	4.59	77	39303	17.21	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	106649	22.27	ug/l	99
33) Carbon Tetrachloride	5.79	117	94669	24.76	ug/l	96
34) Benzene	6.15	78	286538	19.86	ug/l	99
35) Methacrylonitrile	5.07	41	59910	17.28	ug/l	99
36) 1,2-Dichloroethane	6.20	62	99933	17.72	ug/l	99
37) Trichloroethene	7.22	130	85277	21.62	ug/l	93
38) Methylcyclohexane	7.46	83	102954	30.90	ug/l	97
39) 1,2-Dichloropropane	7.52	63	71806	18.67	ug/l	99
40) Dibromomethane	7.67	93	48359	17.54	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.91	83	88751	18.28	ug/l	97
42) Vinyl Acetate	3.83	43	727168	82.36	ug/l	100
43) Ethyl Acetate	4.87	43	102701	16.54	ug/l	98
44) Isopropyl Acetate	6.48	43	152377	16.92	ug/l	99
45) 1,4-Dioxane	7.76	88	39957	362.87	ug/l	95
46) Methyl methacrylate	7.79	41	83521	17.63	ug/l	99
47) n-amyl Acetate	10.90	43	113302	18.18	ug/l	100
48) t-1,3-Dichloropropene	8.45	75	92814	18.17	ug/l	100
49) cis-1,3-Dichloropropene	9.05	75	77966	17.44	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	65858	17.39	ug/l	98
51) Ethyl methacrylate	9.19	69	91156	17.71	ug/l	98
52) 1,3-Dichloropropane	9.38	76	106197	17.68	ug/l	99
53) Dibromochloromethane	9.59	129	65810	17.88	ug/l	99
54) 1,2-Dibromoethane	9.68	107	68392	17.82	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	266663	88.70	ug/l	100
56) Bromoform	10.87	173	52323	17.39	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	542296	84.98	ug/l	100
59) 2-Hexanone	9.51	43	354391	84.66	ug/l	100
61) Tetrachloroethene	9.34	164	89131	23.71	ug/l	99
62) Toluene	8.79	91	312993	21.24	ug/l	100
64) Chlorobenzene	10.15	112	178423	20.67	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	65445	18.79	ug/l	99
66) Ethyl Benzene	10.26	91	286701	23.40	ug/l	100
67) m/p-Xylenes	10.37	106	228429	46.63	ug/l	98
68) o-Xylene	10.71	106	111468	22.11	ug/l	100
69) Styrene	10.72	104	183149	21.79	ug/l	99
70) Isopropylbenzene	11.02	105	296268	25.05	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	90014	16.74	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	99926	19.53	ug/l	90
73) Bromobenzene	11.26	156	85181	20.31	ug/l	99
74) n-propylbenzene	11.37	91	322351	26.18	ug/l	99
75) 2-Chlorotoluene	11.43	91	198938	23.46	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	243348	24.74	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	18079	16.56	ug/l	93
78) 4-Chlorotoluene	11.52	91	220722	23.60	ug/l	99
79) tert-butylbenzene	12.07	119	263477	27.14	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	251122	24.71	ug/l	100
81) sec-Butylbenzene	11.95	105	288813	27.11	ug/l	100
82) p-Isopropyltoluene	12.07	119	263477	27.14	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	149320	22.85	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	146928	22.64	ug/l	99
85) n-Butylbenzene	12.40	91	193166	27.41	ug/l	99
86) Hexachloroethane	12.60	117	41853	25.87	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	153574	21.66	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	19582	17.18	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	104993	23.49	ug/l	98
90) Hexachlorobutadiene	13.79	225	58686	26.80	ug/l	98
91) Naphthalene	13.84	128	317391	20.39	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	115592	22.99	ug/l	99

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

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