

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001817.D
 Acq On : 18 May 2018 09:34
 Operator : JC/MD
 Sample : VX0517WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Quant Time: May 18 09:52:56 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	62490	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	326776	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	261351	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	122274	30.27	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.90%
60) 4-Bromofluorobenzene	11.14	95	119134	30.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.20%
63) Toluene-d8	8.72	98	400771	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	63562	36.88	ug/l	100
3) Chloromethane	1.32	50	74671	22.73	ug/l	99
4) Vinyl Chloride	1.40	62	76573	26.83	ug/l	100
5) Bromomethane	1.64	94	43715	24.75	ug/l	99
6) Chloroethane	1.73	64	49560	23.38	ug/l	98
7) Trichlorofluoromethane	1.93	101	104351	32.77	ug/l	98
8) Diethyl Ether	2.19	74	44164	19.74	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	61442	34.13	ug/l	99
10) 1,1-Dichloroethene	2.37	96	60335	27.37	ug/l	98
11) Methyl Iodide	2.51	142	78580	22.55	ug/l	99
12) Methyl Acetate	2.78	43	107763	20.12	ug/l	99
13) Acrolein	2.29	56	59696	93.36	ug/l	100
14) Acrylonitrile	3.15	53	201901	98.99	ug/l	100
15) Acetone	2.45	58	54937	98.64	ug/l	97
16) Carbon Disulfide	2.57	76	146948	26.65	ug/l	99
17) Allyl chloride	2.73	41	107652	21.85	ug/l	98
18) Methylene Chloride	2.86	84	69008	20.35	ug/l	95
19) trans-1,2-Dichloroethene	3.17	96	64235	23.62	ug/l	97
20) Diisopropyl ether	3.88	45	224489	20.93	ug/l	99
21) 1,1-Dichloroethane	3.70	63	120183	21.88	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	77261	21.90	ug/l	99
23) tert-Butyl Alcohol	3.08	59	88613	104.49	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	210517	20.06	ug/l	99
25) Chloroform	5.22	83	126978	21.69	ug/l	99
26) Cyclohexane	5.58	56	109559	36.63	ug/l #	97
29) 1,1-Dichloropropene	5.80	75	89678	24.19	ug/l	98
30) 2-Butanone	4.71	43	281153	84.10	ug/l	100
31) 2,2-Dichloropropane	4.59	77	38883	16.59	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	108830	22.15	ug/l	98
33) Carbon Tetrachloride	5.78	117	94429	24.07	ug/l	97
34) Benzene	6.15	78	287781	19.44	ug/l	97
35) Methacrylonitrile	5.07	41	59286	16.66	ug/l	94
36) 1,2-Dichloroethane	6.20	62	95917	16.58	ug/l	99
37) Trichloroethene	7.22	130	85062	21.02	ug/l	96
38) Methylcyclohexane	7.46	83	106421	31.14	ug/l	98
39) 1,2-Dichloropropane	7.52	63	70783	17.94	ug/l	99
40) Dibromomethane	7.67	93	48843	17.27	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	89850	18.04	ug/l	99
42) Vinyl Acetate	3.83	43	728845	80.46	ug/l	100
43) Ethyl Acetate	4.87	43	103696	16.28	ug/l	100
44) Isopropyl Acetate	6.48	43	159152	17.23	ug/l	99
45) 1,4-Dioxane	7.76	88	38298	339.00	ug/l	99
46) Methyl methacrylate	7.79	41	82912	17.06	ug/l	98
47) n-amyl Acetate	10.91	43	114532	17.91	ug/l	100
48) t-1,3-Dichloropropene	8.44	75	94047	17.94	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	80723	17.60	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	64948	16.72	ug/l	98
51) Ethyl methacrylate	9.19	69	90646	17.17	ug/l	99
52) 1,3-Dichloropropane	9.38	76	121817	19.77	ug/l	99
53) Dibromochloromethane	9.59	129	66358	17.57	ug/l	98
54) 1,2-Dibromoethane	9.68	107	67841	17.23	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	265304	86.02	ug/l	99
56) Bromoform	10.87	173	52497	17.01	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	542307	83.01	ug/l	100
59) 2-Hexanone	9.51	43	352911	82.35	ug/l	100
61) Tetrachloroethene	9.34	164	99107	25.75	ug/l	98
62) Toluene	8.79	91	315729	20.92	ug/l	99
64) Chlorobenzene	10.15	112	178812	20.23	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.23	131	66662	18.69	ug/l	99
66) Ethyl Benzene	10.26	91	289026	23.04	ug/l	99
67) m/p-Xylenes	10.37	106	230843	46.03	ug/l	99
68) o-Xylene	10.71	106	112748	21.84	ug/l	98
69) Styrene	10.72	104	182860	21.25	ug/l	100
70) Isopropylbenzene	11.02	105	300057	24.78	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	90610	16.46	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	98661	18.84	ug/l	90
73) Bromobenzene	11.26	156	86855	20.23	ug/l	98
74) n-propylbenzene	11.37	91	328318	26.05	ug/l	99
75) 2-Chlorotoluene	11.43	91	198862	22.91	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	247239	24.55	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	17581	15.73	ug/l	93
78) 4-Chlorotoluene	11.52	91	225233	23.52	ug/l	100
79) tert-butylbenzene	12.07	119	266272	26.79	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	251103	24.14	ug/l	99
81) sec-Butylbenzene	11.95	105	292520	26.82	ug/l	99
82) p-Isopropyltoluene	12.07	119	266272	26.79	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	149663	22.37	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	150259	22.62	ug/l	99
85) n-Butylbenzene	12.40	91	197249	27.34	ug/l	100
86) Hexachloroethane	12.60	117	41985	25.34	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	154307	21.25	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	19935	17.09	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	108040	23.61	ug/l	98
90) Hexachlorobutadiene	13.79	225	59908	26.72	ug/l	98
91) Naphthalene	13.84	128	321459	20.17	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	115452	22.43	ug/l	97

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

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