

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX030118\
 Data File : VX000182.D
 Acq On : 01 Mar 2018 13:53
 Operator : JC/MD
 Sample : VX0301WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VX0301WBSD02

Quant Time: Mar 02 03:35:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.04	128	22848	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	133477	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	129514	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	55232	31.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.10%
60) 4-Bromofluorobenzene	11.15	95	64681	30.53	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.77%
63) Toluene-d8	8.73	98	167566	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	18578	13.10	ug/l	99
3) Chloromethane	1.32	50	18870	13.28	ug/l	94
4) Vinyl Chloride	1.40	62	24003	14.19	ug/l	95
5) Bromomethane	1.65	94	21421	13.75	ug/l	96
6) Chloroethane	1.73	64	16300	15.06	ug/l	98
7) Trichlorofluoromethane	1.93	101	44673	15.25	ug/l	100
8) Diethyl Ether	2.19	74	16330	15.96	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	25001	15.64	ug/l	94
10) 1,1-Dichloroethene	2.38	96	21546	14.11	ug/l	89
11) Methyl Iodide	2.52	142	16117	10.86	ug/l	100
12) Methyl Acetate	2.79	43	55205	20.24	ug/l	97
13) Acrolein	2.30	56	8447	25.73	ug/l	98
14) Acrylonitrile	3.16	53	105052	88.87	ug/l	99
15) Acetone	2.45	58	37146	96.38	ug/l	94
16) Carbon Disulfide	2.57	76	45062	10.32	ug/l	99
17) Allyl chloride	2.73	41	42341	16.27	ug/l	97
18) Methylene Chloride	2.86	84	25439	15.29	ug/l	97
19) trans-1,2-Dichloroethene	3.17	96	23096	13.90	ug/l	92
20) Diisopropyl ether	3.88	45	65689	15.98	ug/l	93
21) 1,1-Dichloroethane	3.71	63	46913	17.32	ug/l	97
22) cis-1,2-Dichloroethene	4.60	96	24487	15.87	ug/l	99
23) tert-Butyl Alcohol	3.07	59	62069	91.86	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	90291	17.16	ug/l	97
25) Chloroform	5.23	83	43064	16.03	ug/l	92
26) Cyclohexane	5.59	56	30351	14.29	ug/l	# 53
29) 1,1-Dichloropropene	5.81	75	29657	15.26	ug/l	99
30) 2-Butanone	4.72	43	142014	94.91	ug/l	98
31) 2,2-Dichloropropane	4.59	77	33591	16.07	ug/l	# 75
32) 1,1,1-Trichloroethane	5.51	97	38011	16.16	ug/l	97
33) Carbon Tetrachloride	5.79	117	30874	14.78	ug/l	97
34) Benzene	6.15	78	88265	15.78	ug/l	# 94
35) Methacrylonitrile	5.08	41	24201	17.57	ug/l	92
36) 1,2-Dichloroethane	6.21	62	36640	17.27	ug/l	99
37) Trichloroethene	7.22	130	25669	15.53	ug/l	100
38) Methylcyclohexane	7.47	83	32366	13.89	ug/l	98
39) 1,2-Dichloropropane	7.53	63	23549	16.86	ug/l	99
40) Dibromomethane	7.67	93	18732	17.41	ug/l	93

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.91	83	33045	16.16	ug/l	96
42) Vinyl Acetate	3.84	43	342062	89.69	ug/l	99
43) Ethyl Acetate	4.87	43	46164	17.57	ug/l	99
44) Isopropyl Acetate	6.48	43	67823	17.59	ug/l	97
45) 1,4-Dioxane	7.77	88	16944	349.38	ug/l	95
46) Methyl methacrylate	7.79	41	32870	17.53	ug/l	92
47) n-amyl Acetate	10.91	43	59247	17.60	ug/l	98
48) t-1,3-Dichloropropene	8.45	75	38007	15.96	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	37455	16.17	ug/l	96
50) 1,1,2-Trichloroethane	9.23	97	26220	16.60	ug/l	99
51) Ethyl methacrylate	9.19	69	39878	16.48	ug/l	93
52) 1,3-Dichloropropane	9.38	76	45540	17.97	ug/l	97
53) Dibromochloromethane	9.59	129	26873	15.29	ug/l	97
54) 1,2-Dibromoethane	9.68	107	28020	15.91	ug/l	96
55) 2-Chloroethyl vinyl ether	8.32	63	99334	93.99	ug/l	99
56) Bromoform	10.87	173	20303	14.26	ug/l	100
58) 4-Methyl-2-Pentanone	8.66	43	267211	94.19	ug/l	98
59) 2-Hexanone	9.51	43	224480	93.45	ug/l	98
61) Tetrachloroethene	9.34	164	22167	14.10	ug/l	96
62) Toluene	8.79	91	106481	15.80	ug/l	98
64) Chlorobenzene	10.15	112	73833	16.21	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.23	131	25474	15.79	ug/l	99
66) Ethyl Benzene	10.26	91	125431	16.31	ug/l	98
67) m/p-Xylenes	10.37	106	93786	31.10	ug/l	97
68) o-Xylene	10.71	106	46761	15.97	ug/l	98
69) Styrene	10.72	104	78061	16.09	ug/l	99
70) Isopropylbenzene	11.02	105	127944	16.16	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	48379	17.76	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	57887	23.69	ug/l	82
73) Bromobenzene	11.26	156	32565	15.69	ug/l	94
74) n-propylbenzene	11.37	91	153402	16.53	ug/l	98
75) 2-Chlorotoluene	11.43	91	88777	16.64	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	108199	16.13	ug/l	71
77) t-1,4-Dichloro-2-butene	11.09	75	13075	15.13	ug/l	86
78) 4-Chlorotoluene	11.52	91	105846	16.56	ug/l	97
79) tert-butylbenzene	12.07	119	117571	17.61	ug/l	96
80) 1,2,4-Trimethylbenzene	11.82	105	110248	16.11	ug/l	98
81) sec-Butylbenzene	11.96	105	137101	16.61	ug/l	97
82) p-Isopropyltoluene	12.07	119	117571	15.96	ug/l	99
83) 1,3-Dichlorobenzene	12.04	146	63907	16.17	ug/l	98
84) 1,4-Dichlorobenzene	12.11	146	63880	15.51	ug/l	97
85) n-Butylbenzene	12.40	91	111907	16.20	ug/l	99
86) Hexachloroethane	12.60	117	19077	15.51	ug/l	94
87) 1,2-Dichlorobenzene	12.40	146	61801	15.78	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.01	75	13846	18.18	ug/l	85
89) 1,2,4-Trichlorobenzene	13.65	180	45601	15.86	ug/l	99
90) Hexachlorobutadiene	13.79	225	18055	14.57	ug/l	97
91) Naphthalene	13.84	128	162339	16.15	ug/l	99
92) 1,2,3-Trichlorobenzene	14.03	180	45054	15.58	ug/l	98

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

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