

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030118\
 Data File : VX000187.D
 Acq On : 01 Mar 2018 16:27
 Operator : JC/MD
 Sample : VX0301WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VX0301WBS02

Manual Integrations
 APPROVED

apatel
 3/2/2018 3:13:29 PM

Quant Time: Mar 02 04:04:10 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	5.03	128	25147	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	150804	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	148263	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	61690	31.70	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.67%
60) 4-Bromofluorobenzene	11.15	95	74181	30.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.93%
63) Toluene-d8	8.73	98	196937	31.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.37%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	21236	13.61	ug/l	98
3) Chloromethane	1.32	50	21659	13.85	ug/l	95
4) Vinyl Chloride	1.40	62	27352	14.70	ug/l	94
5) Bromomethane	1.64	94	26294	15.33	ug/l	99
6) Chloroethane	1.73	64	19587	16.44	ug/l	100
7) Trichlorofluoromethane	1.93	101	53723	16.66	ug/l	100
8) Diethyl Ether	2.19	74	18881	16.77	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30663	17.43	ug/l	93
10) 1,1-Dichloroethene	2.38	96	25399	15.12	ug/l	84
11) Methyl Iodide	2.51	142	15107	9.25	ug/l	93
12) Methyl Acetate	2.78	43	63406	21.12	ug/l	97
13) Acrolein	2.30	56	7639	21.14	ug/l	98
14) Acrylonitrile	3.15	53	122173	93.90	ug/l	98
15) Acetone	2.45	58	45179	106.51	ug/l	99
16) Carbon Disulfide	2.57	76	50298	10.47	ug/l	100
17) Allyl chloride	2.73	41	47019	16.41	ug/l	98
18) Methylene Chloride	2.86	84	30209	16.50	ug/l	98
19) trans-1,2-Dichloroethene	3.17	96	27179	14.87	ug/l	91
20) Diisopropyl ether	3.88	45	73523	16.25	ug/l	98
21) 1,1-Dichloroethane	3.70	63	54664	18.33	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	27393	16.13	ug/l	98
23) tert-Butyl Alcohol	3.08	59	69748	93.79	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	105766	18.27	ug/l	98
25) Chloroform	5.23	83	49704	16.81	ug/l	98
26) Cyclohexane	5.58	56	35787	15.31	ug/l #	98
29) 1,1-Dichloropropene	5.81	75	34736	15.82	ug/l	98
30) 2-Butanone	4.72	43	166288	98.37	ug/l	98
31) 2,2-Dichloropropane	4.60	77	38944	16.49	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	43250	16.28	ug/l	96
33) Carbon Tetrachloride	5.79	117	36035	15.27	ug/l	93
34) Benzene	6.15	78	102934	16.29	ug/l	93
35) Methacrylonitrile	5.07	41	28061	18.03	ug/l	87
36) 1,2-Dichloroethane	6.21	62	42672	17.81	ug/l	99
37) Trichloroethene	7.22	130	29816	15.96	ug/l	94
38) Methylcyclohexane	7.47	83	40702	15.46	ug/l	98
39) 1,2-Dichloropropane	7.53	63	27294	17.30	ug/l	95
40) Dibromomethane	7.67	93	20993	17.27	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.91	83	39090	16.92	ug/l	95
42) Vinyl Acetate	3.83	43	368148	85.44	ug/l	99
43) Ethyl Acetate	4.87	43	52163	17.57	ug/l #	82
44) Isopropyl Acetate	6.48	43	78063	17.92	ug/l	97
45) 1,4-Dioxane	7.77	88	17242	314.68	ug/l	96
46) Methyl methacrylate	7.79	41	38877	18.35	ug/l	94
47) n-amyl Acetate	10.91	43	70799	18.61	ug/l	98
48) t-1,3-Dichloropropene	8.45	75	44955	16.71	ug/l	97
49) cis-1,3-Dichloropropene	9.05	75	43143	16.48	ug/l #	89
50) 1,1,2-Trichloroethane	9.23	97	30990	17.36	ug/l	96
51) Ethyl methacrylate	9.19	69	47027	17.20	ug/l	89
52) 1,3-Dichloropropane	9.38	76	50403	17.61	ug/l	98
53) Dibromochloromethane	9.59	129	31881	16.05	ug/l	100
54) 1,2-Dibromoethane	9.68	107	33378	16.78	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	102244	85.63	ug/l	98
56) Bromoform	10.87	173	23732	14.76	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	313140	96.43	ug/l	98
59) 2-Hexanone	9.51	43	267228	97.18	ug/l	98
61) Tetrachloroethene	9.34	164	27309	15.17	ug/l	95
62) Toluene	8.79	91	125836	16.31	ug/l	98
64) Chlorobenzene	10.15	112	85082	16.32	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	29999	16.25	ug/l	100
66) Ethyl Benzene	10.26	91	144566	16.42	ug/l	99
67) m/p-Xylenes	10.37	106	115101	33.35	ug/l	100
68) o-Xylene	10.71	106	55900	16.67	ug/l	99
69) Styrene	10.72	104	92023	16.57	ug/l	98
70) Isopropylbenzene	11.02	105	154546	17.05	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.28	83	56437	18.10	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	51266m	18.33	ug/l	
73) Bromobenzene	11.26	156	38142	16.05	ug/l	93
74) n-propylbenzene	11.37	91	187769	17.68	ug/l	99
75) 2-Chlorotoluene	11.43	91	105916	17.34	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	131163	17.08	ug/l	72
77) t-1,4-Dichloro-2-butene	11.09	75	15391	15.56	ug/l	85
78) 4-Chlorotoluene	11.52	91	129707	17.73	ug/l	97
79) tert-butylbenzene	11.78	119	131874m	17.25	ug/l	
80) 1,2,4-Trimethylbenzene	11.82	105	134668	17.19	ug/l	98
81) sec-Butylbenzene	11.96	105	167736	17.75	ug/l	98
82) p-Isopropyltoluene	12.07	119	149197	17.70	ug/l	98
83) 1,3-Dichlorobenzene	12.04	146	75710	16.74	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	78475	16.64	ug/l	99
85) n-Butylbenzene	12.40	91	143147	18.10	ug/l	98
86) Hexachloroethane	12.60	117	22696	16.12	ug/l	91
87) 1,2-Dichlorobenzene	12.40	146	76526	17.07	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	15771	18.09	ug/l	88
89) 1,2,4-Trichlorobenzene	13.65	180	56536	17.17	ug/l	98
90) Hexachlorobutadiene	13.79	225	23369	16.47	ug/l	98
91) Naphthalene	13.84	128	195670	17.01	ug/l	99
92) 1,2,3-Trichlorobenzene	14.03	180	54733	16.54	ug/l	99

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

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