

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030118\
 Data File : VX000179.D
 Acq On : 01 Mar 2018 11:48
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

apatel
 3/2/2018 3:13:18 PM

Quant Time: Mar 02 03:38:34 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	27274	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	161755	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	160974	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	67517	31.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.63%
60) 4-Bromofluorobenzene	11.15	95	79094	30.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.10%
63) Toluene-d8	8.73	98	209875	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	25040	14.79	ug/l	98
3) Chloromethane	1.32	50	24436	14.40	ug/l	97
4) Vinyl Chloride	1.41	62	30859	15.29	ug/l	99
5) Bromomethane	1.65	94	27348	14.70	ug/l	95
6) Chloroethane	1.73	64	20931	16.20	ug/l	99
7) Trichlorofluoromethane	1.93	101	56487	16.15	ug/l	96
8) Diethyl Ether	2.19	74	20045	16.42	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	31889	16.71	ug/l	96
10) 1,1-Dichloroethene	2.38	96	27599	15.14	ug/l	89
11) Methyl Iodide	2.52	142	18195	10.27	ug/l	98
12) Methyl Acetate	2.78	43	67587	20.75	ug/l	99
13) Acrolein	2.30	56	9708	24.77	ug/l	95
14) Acrylonitrile	3.15	53	127859	90.61	ug/l	100
15) Acetone	2.45	58	46116	100.24	ug/l	99
16) Carbon Disulfide	2.57	76	57510	11.03	ug/l	96
17) Allyl chloride	2.73	41	51879	16.70	ug/l	95
18) Methylene Chloride	2.87	84	31818	16.02	ug/l	94
19) trans-1,2-Dichloroethene	3.17	96	29692	14.98	ug/l	92
20) Diisopropyl ether	3.88	45	103839	21.17	ug/l	96
21) 1,1-Dichloroethane	3.71	63	57595	17.81	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	30062	16.32	ug/l	97
23) tert-Butyl Alcohol	3.07	59	74200	91.99	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	109525	17.44	ug/l	96
25) Chloroform	5.22	83	55582	17.34	ug/l	99
26) Cyclohexane	5.58	56	40470	15.96	ug/l	# 100
29) 1,1-Dichloropropene	5.81	75	40003	16.98	ug/l	97
30) 2-Butanone	4.71	43	182899	100.87	ug/l	98
31) 2,2-Dichloropropane	4.59	77	43775	17.28	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	47735	16.75	ug/l	97
33) Carbon Tetrachloride	5.79	117	40231	15.90	ug/l	94
34) Benzene	6.15	78	114089	16.83	ug/l	94
35) Methacrylonitrile	5.07	41	30245	18.12	ug/l	89
36) 1,2-Dichloroethane	6.21	62	46723	18.18	ug/l	100
37) Trichloroethene	7.22	130	33590	16.77	ug/l	96
38) Methylcyclohexane	7.47	83	47064	16.67	ug/l	98
39) 1,2-Dichloropropane	7.52	63	30786	18.19	ug/l	93
40) Dibromomethane	7.67	93	23577	18.08	ug/l	93

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41) Bromodichloromethane	7.91	83	43080	17.38	ug/l	98
42) Vinyl Acetate	3.83	43	485720	105.10	ug/l	98
43) Ethyl Acetate	4.87	43	58424	18.34	ug/l	99
44) Isopropyl Acetate	6.48	43	88537	18.95	ug/l	97
45) 1,4-Dioxane	7.76	88	20530	349.32	ug/l	99
46) Methyl methacrylate	7.79	41	41413	18.22	ug/l	94
47) n-amyl Acetate	10.91	43	78923	19.35	ug/l	98
48) t-1,3-Dichloropropene	8.45	75	50770	17.60	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	49443	17.61	ug/l	94
50) 1,1,2-Trichloroethane	9.23	97	35116	18.34	ug/l	96
51) Ethyl methacrylate	9.19	69	53234	18.15	ug/l	95
52) 1,3-Dichloropropane	9.38	76	56457	18.39	ug/l	100
53) Dibromochloromethane	9.59	129	35857	16.83	ug/l	99
54) 1,2-Dibromoethane	9.68	107	37386	17.52	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	105996	82.76	ug/l	99
56) Bromoform	10.87	173	28502	16.52	ug/l	96
58) 4-Methyl-2-Pentanone	8.66	43	342842	97.24	ug/l	99
59) 2-Hexanone	9.51	43	293947	98.45	ug/l	98
61) Tetrachloroethene	9.34	164	30553	15.63	ug/l	94
62) Toluene	8.79	91	141058	16.84	ug/l	99
64) Chlorobenzene	10.15	112	97305	17.19	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.23	131	33429	16.68	ug/l	98
66) Ethyl Benzene	10.26	91	165091	17.27	ug/l	99
67) m/p-Xylenes	10.37	106	128843	34.38	ug/l	99
68) o-Xylene	10.71	106	63655	17.49	ug/l	96
69) Styrene	10.72	104	103411	17.15	ug/l	98
70) Isopropylbenzene	11.02	105	173384	17.62	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	63815	18.85	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	58146m	19.15	ug/l	
73) Bromobenzene	11.26	156	43513	16.87	ug/l	93
74) n-propylbenzene	11.37	91	206110	17.87	ug/l	100
75) 2-Chlorotoluene	11.43	91	119033	17.95	ug/l	99
76) 1,3,5-Trimethylbenzene	11.52	105	146961	17.62	ug/l	71
77) t-1,4-Dichloro-2-butene	11.09	75	17693	16.47	ug/l	90
78) 4-Chlorotoluene	11.52	91	145066	18.26	ug/l	98
79) tert-butylbenzene	11.78	119	147963m	17.83	ug/l	
80) 1,2,4-Trimethylbenzene	11.82	105	152931	17.98	ug/l	97
81) sec-Butylbenzene	11.96	105	188719	18.39	ug/l	99
82) p-Isopropyltoluene	12.07	119	163676	17.88	ug/l	98
83) 1,3-Dichlorobenzene	12.04	146	86510	17.61	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	87604	17.11	ug/l	99
85) n-Butylbenzene	12.40	91	161230	18.78	ug/l	99
86) Hexachloroethane	12.60	117	25503	16.68	ug/l	95
87) 1,2-Dichlorobenzene	12.40	146	84570	17.38	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	18001	19.01	ug/l	89
89) 1,2,4-Trichlorobenzene	13.65	180	60668	16.97	ug/l	99
90) Hexachlorobutadiene	13.79	225	25604	16.62	ug/l	97
91) Naphthalene	13.84	128	218692	17.51	ug/l	100
92) 1,2,3-Trichlorobenzene	14.03	180	61303	17.06	ug/l	97

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

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