

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012919\
 Data File : VX007276.D
 Acq On : 29 Jan 2019 09:36
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 1/30/2019 9:18:00 AM

Quant Time: Jan 30 01:08:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	82211	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	446495	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	411649	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	164671	30.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.70%
60) 4-Bromofluorobenzene	11.13	95	200267	31.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.07%
63) Toluene-d8	8.71	98	555435	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	67977	18.421	ug/l 99
3) Chloromethane	1.33	50	83704	20.289	ug/l 100
4) Vinyl Chloride	1.41	62	87292	18.645	ug/l 98
5) Bromomethane	1.64	94	89221	18.284	ug/l 99
6) Chloroethane	1.73	64	57730	18.297	ug/l 100
7) Trichlorofluoromethane	1.93	101	146013	18.473	ug/l 100
8) Diethyl Ether	2.20	74	56819	19.017	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	90250	19.332	ug/l 99
10) 1,1-Dichloroethene	2.38	96	80722	19.025	ug/l 99
11) Methyl Iodide	2.52	142	117845	17.119	ug/l 97
12) Methyl Acetate	2.78	43	134395	18.599	ug/l 95
13) Acrolein	2.30	56	48626	92.950	ug/l 98
14) Acrylonitrile	3.15	53	252520	93.339	ug/l 99
15) Acetone	2.45	58	76120	98.988	ug/l 88
16) Carbon Disulfide	2.57	76	175469	17.150	ug/l 97
17) Allyl chloride	2.73	41	138351	18.753	ug/l 98
18) Methylene Chloride	2.86	84	97223	19.881	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	87162	18.971	ug/l 90
20) Diisopropyl ether	3.87	45	271891	19.796	ug/l 98
21) 1,1-Dichloroethane	3.70	63	157065	20.023	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	97043	19.206	ug/l 99
23) tert-Butyl Alcohol	3.06	59	105702	92.971	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	281387	18.933	ug/l 99
25) Chloroform	5.21	83	157467	19.422	ug/l 97
26) Cyclohexane	5.57	56	126923	19.211	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	113561	19.511	ug/l 99
30) 2-Butanone	4.70	43	335479	96.461	ug/l # 98
31) 2,2-Dichloropropane	4.59	77	111972	19.041	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	129145	18.774	ug/l 99
33) Carbon Tetrachloride	5.78	117	113294	18.736	ug/l 94
34) Benzene	6.14	78	347282	19.343	ug/l 98
35) Methacrylonitrile	5.06	41	66336	18.686	ug/l 93
36) 1,2-Dichloroethane	6.20	62	120383	19.431	ug/l 99
37) Trichloroethene	7.21	130	102941	19.446	ug/l 96
38) Methylcyclohexane	7.46	83	141164	19.137	ug/l 100
39) 1,2-Dichloropropane	7.51	63	86032	19.108	ug/l 99
40) Dibromomethane	7.66	93	62953	19.410	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	105644	18.560	ug/l	98
42) Vinyl Acetate	3.82	43	1167296	98.992	ug/l	99
43) Ethyl Acetate	4.85	43	116078	17.887	ug/l	98
44) Isopropyl Acetate	6.46	43	187829	18.532	ug/l	98
45) 1,4-Dioxane	7.75	88	46500	378.596	ug/l	99
46) Methyl methacrylate	7.77	41	98329	18.973	ug/l	98
47) n-amyl Acetate	10.90	43	169046	18.968	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	110678	17.828	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	126374	18.324	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	96374	19.798	ug/l	96
51) Ethyl methacrylate	9.18	69	133974	19.262	ug/l	93
52) 1,3-Dichloropropane	9.37	76	150400	19.296	ug/l	99
53) Dibromochloromethane	9.58	129	90966	18.489	ug/l	98
54) 1,2-Dibromoethane	9.67	107	102102	19.484	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	374287	97.819	ug/l	100
56) Bromoform	10.85	173	66541	17.812	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	661857	96.151	ug/l	99
59) 2-Hexanone	9.49	43	516400	96.945	ug/l	99
61) Tetrachloroethene	9.34	164	115936	20.206	ug/l	99
62) Toluene	8.78	91	399297	19.271	ug/l	99
64) Chlorobenzene	10.13	112	271271	19.846	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	91874	18.976	ug/l	98
66) Ethyl Benzene	10.25	91	443825	19.770	ug/l	98
67) m/p-Xylenes	10.36	106	350090	39.488	ug/l	99
68) o-Xylene	10.69	106	166888	19.216	ug/l	97
69) Styrene	10.71	104	277124	19.779	ug/l	99
70) Isopropylbenzene	11.02	105	462581	20.119	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	139354	18.930	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	133611m	19.305	ug/l	
73) Bromobenzene	11.26	156	124146	19.508	ug/l	97
74) n-propylbenzene	11.36	91	528974	20.443	ug/l	99
75) 2-Chlorotoluene	11.42	91	310316	20.223	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	382817	19.949	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	33873	16.845	ug/l	96
78) 4-Chlorotoluene	11.51	91	355258	19.884	ug/l	99
79) tert-butylbenzene	12.06	119	421241	20.289	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	397994	20.483	ug/l	98
81) sec-Butylbenzene	11.94	105	472180	20.406	ug/l	100
82) p-Isopropyltoluene	12.06	119	421241	20.289	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	227009	20.067	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	227244	20.078	ug/l	99
85) n-Butylbenzene	12.39	91	352539	19.785	ug/l	100
86) Hexachloroethane	12.60	117	59762	18.617	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	223441	19.837	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	27307	18.199	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	153264	19.820	ug/l	99
90) Hexachlorobutadiene	13.78	225	76339	20.699	ug/l	99
91) Naphthalene	13.83	128	456015	19.481	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	154814	20.191	ug/l	99

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

