

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012919\
 Data File : VX007282.D
 Acq On : 29 Jan 2019 12:36
 Operator : JC/SP
 Sample : VX0129WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0129WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/30/2019 9:17:46 AM

Quant Time: Jan 30 01:23:28 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	81097	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	419195	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	387110	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	154285	28.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.60%
60) 4-Bromofluorobenzene	11.13	95	182937	30.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.07%
63) Toluene-d8	8.71	98	528349	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	62786	17.248	ug/l 97
3) Chloromethane	1.33	50	76719	18.851	ug/l 100
4) Vinyl Chloride	1.41	62	83883	18.163	ug/l 100
5) Bromomethane	1.64	94	82909	17.224	ug/l 94
6) Chloroethane	1.73	64	57801	18.571	ug/l 97
7) Trichlorofluoromethane	1.93	101	142591	18.288	ug/l 100
8) Diethyl Ether	2.19	74	55674	18.890	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	85145	18.489	ug/l 96
10) 1,1-Dichloroethene	2.38	96	77990	18.633	ug/l 98
11) Methyl Iodide	2.51	142	121089	17.832	ug/l 95
12) Methyl Acetate	2.78	43	136454	19.143	ug/l 96
13) Acrolein	2.30	56	51286	99.381	ug/l 99
14) Acrylonitrile	3.15	53	260309	97.540	ug/l 100
15) Acetone	2.45	58	74269	97.908	ug/l 96
16) Carbon Disulfide	2.57	76	167425	16.589	ug/l 97
17) Allyl chloride	2.73	41	133366	18.326	ug/l 97
18) Methylene Chloride	2.86	84	93602	19.403	ug/l 94
19) trans-1,2-Dichloroethene	3.17	96	83088	18.333	ug/l 97
20) Diisopropyl ether	3.87	45	255157	18.832	ug/l 97
21) 1,1-Dichloroethane	3.70	63	141847	18.331	ug/l 97
22) cis-1,2-Dichloroethene	4.60	96	93211	18.701	ug/l 99
23) tert-Butyl Alcohol	3.07	59	110404	98.441	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	277435	18.923	ug/l 99
25) Chloroform	5.21	83	152634	19.085	ug/l 100
26) Cyclohexane	5.57	56	120160	18.437	ug/l 98
29) 1,1-Dichloropropene	5.81	75	106365	19.464	ug/l 99
30) 2-Butanone	4.70	43	329767	100.994	ug/l # 97
31) 2,2-Dichloropropane	4.59	77	102902	18.639	ug/l 100
32) 1,1,1-Trichloroethane	5.50	97	127247	19.703	ug/l 98
33) Carbon Tetrachloride	5.79	117	106074	18.685	ug/l 92
34) Benzene	6.14	78	330851	19.628	ug/l 96
35) Methacrylonitrile	5.06	41	67256	20.179	ug/l 96
36) 1,2-Dichloroethane	6.20	62	115873	19.922	ug/l 99
37) Trichloroethene	7.21	130	97692	19.656	ug/l 100
38) Methylcyclohexane	7.46	83	128457	18.548	ug/l 100
39) 1,2-Dichloropropane	7.52	63	86549	20.474	ug/l 95
40) Dibromomethane	7.66	93	60422	19.843	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	101000	18.900	ug/l	96
42) Vinyl Acetate	3.82	43	1056265	95.410	ug/l	100
43) Ethyl Acetate	4.85	43	118298	19.416	ug/l	98
44) Isopropyl Acetate	6.46	43	185617	19.506	ug/l	98
45) 1,4-Dioxane	7.75	88	45714	396.436	ug/l	98
46) Methyl methacrylate	7.77	41	93919	19.303	ug/l	99
47) n-amyl Acetate	10.90	43	165603	19.792	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	106008	18.188	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	123026	19.000	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	93321	20.420	ug/l	96
51) Ethyl methacrylate	9.18	69	129097	19.769	ug/l	96
52) 1,3-Dichloropropane	9.37	76	145654	19.904	ug/l	100
53) Dibromochloromethane	9.59	129	86785	18.788	ug/l	99
54) 1,2-Dibromoethane	9.67	107	100121	20.350	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	358074	99.676	ug/l	99
56) Bromoform	10.86	173	63723	18.168	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	655633	101.285	ug/l	100
59) 2-Hexanone	9.49	43	504189	100.652	ug/l	99
61) Tetrachloroethene	9.34	164	105722	19.593	ug/l	98
62) Toluene	8.79	91	379182	19.460	ug/l	100
64) Chlorobenzene	10.14	112	254007	19.761	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	87131	19.137	ug/l	99
66) Ethyl Benzene	10.25	91	415200	19.667	ug/l	98
67) m/p-Xylenes	10.36	106	329811	39.559	ug/l	98
68) o-Xylene	10.70	106	160220	19.618	ug/l	98
69) Styrene	10.71	104	258222	19.598	ug/l	99
70) Isopropylbenzene	11.02	105	430099	19.892	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	138657	20.029	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	131136m	20.148	ug/l	
73) Bromobenzene	11.26	156	117935	19.707	ug/l	98
74) n-propylbenzene	11.36	91	475655	19.548	ug/l	99
75) 2-Chlorotoluene	11.42	91	283039	19.614	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	351922	19.502	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	32393	17.130	ug/l	99
78) 4-Chlorotoluene	11.51	91	324915	19.339	ug/l	98
79) tert-butylbenzene	12.06	119	379170	19.420	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	361503	19.784	ug/l	98
81) sec-Butylbenzene	11.94	105	427141	19.630	ug/l	99
82) p-Isopropyltoluene	12.06	119	379170	19.420	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	204188	19.194	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	209127	19.649	ug/l	99
85) n-Butylbenzene	12.39	91	310898	18.554	ug/l	99
86) Hexachloroethane	12.60	117	54883	18.180	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	210861	19.907	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	27043	19.166	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	138728	19.077	ug/l	98
90) Hexachlorobutadiene	13.78	225	67535	19.472	ug/l	99
91) Naphthalene	13.83	128	434505	19.739	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	139031	19.282	ug/l	98

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

