

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111219\
 Data File : VX013381.D
 Acq On : 12 Nov 2019 13:08
 Operator : JC/SP
 Sample : VX1112WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 9:38:19 AM

Quant Time: Nov 12 14:06:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	122412	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	687720	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	614389	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	263338	29.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.10%
60) 4-Bromofluorobenzene	11.14	95	291837	29.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.50%
63) Toluene-d8	8.71	98	837514	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	164461	17.931	ug/l 99
3) Chloromethane	1.31	50	183518	18.359	ug/l 96
4) Vinyl Chloride	1.40	62	205292	18.074	ug/l 100
5) Bromomethane	1.63	94	116632	17.081	ug/l 100
6) Chloroethane	1.72	64	116131	18.600	ug/l 99
7) Trichlorofluoromethane	1.92	101	214556	17.547	ug/l 98
8) Diethyl Ether	2.17	74	99654	17.849	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	128451	17.460	ug/l 99
10) 1,1-Dichloroethene	2.36	96	133355	17.639	ug/l 97
11) Methyl Iodide	2.50	142	153885	16.485	ug/l 99
12) Methyl Acetate	2.76	43	234320	17.688	ug/l 100
13) Acrolein	2.28	56	118452	84.176	ug/l 98
14) Acrylonitrile	3.13	53	400882	82.292	ug/l 99
15) Acetone	2.43	58	116755	79.134	ug/l 99
16) Carbon Disulfide	2.56	76	363469	17.237	ug/l 99
17) Allyl chloride	2.72	41	239351	17.192	ug/l 98
18) Methylene Chloride	2.84	84	150025	17.490	ug/l 96
19) trans-1,2-Dichloroethene	3.15	96	143013	17.700	ug/l 98
20) Diisopropyl ether	3.84	45	477255	17.818	ug/l 98
21) 1,1-Dichloroethane	3.69	63	259917	17.816	ug/l 97
22) cis-1,2-Dichloroethene	4.58	96	163062	17.701	ug/l 96
23) tert-Butyl Alcohol	3.03	59	191353	81.622	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	441075	17.628	ug/l 99
25) Chloroform	5.20	83	257377	18.023	ug/l 98
26) Cyclohexane	5.57	56	230723	17.415	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	186887	17.792	ug/l 100
30) 2-Butanone	4.65	43	601761	86.793	ug/l 100
31) 2,2-Dichloropropane	4.57	77	199309	17.520	ug/l 100
32) 1,1,1-Trichloroethane	5.48	97	212416	18.194	ug/l 98
33) Carbon Tetrachloride	5.78	117	183036	18.049	ug/l 94
34) Benzene	6.14	78	587148	18.428	ug/l 97
35) Methacrylonitrile	5.03	41	122599	17.707	ug/l 96
36) 1,2-Dichloroethane	6.18	62	203834	18.277	ug/l 99
37) Trichloroethene	7.20	130	153052	17.931	ug/l 98
38) Methylcyclohexane	7.46	83	227974	17.700	ug/l 99
39) 1,2-Dichloropropane	7.51	63	153676	18.654	ug/l 99
40) Dibromomethane	7.65	93	97366	17.759	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	190065	17.759	ug/l	93
42) Vinyl Acetate	3.80	43	1970687	90.280	ug/l	100
43) Ethyl Acetate	4.82	43	222747	17.615	ug/l	99
44) Isopropyl Acetate	6.43	43	358269	17.625	ug/l	99
45) 1,4-Dioxane	7.73	88	79208	352.947	ug/l	98
46) Methyl methacrylate	7.76	41	175629	17.370	ug/l	99
47) n-amyl Acetate	10.89	43	307804	17.263	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	210750	17.561	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	236373	17.975	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	150380	18.536	ug/l	99
51) Ethyl methacrylate	9.17	69	236159	17.680	ug/l	97
52) 1,3-Dichloropropane	9.37	76	250328	18.049	ug/l	99
53) Dibromochloromethane	9.57	129	151778	17.652	ug/l	98
54) 1,2-Dibromoethane	9.67	107	157252	18.127	ug/l	94
55) 2-Chloroethyl vinyl ether	8.31	63	523572	91.734	ug/l	99
56) Bromoform	10.85	173	116590	17.038	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	1157423	90.179	ug/l	99
59) 2-Hexanone	9.48	43	886056	87.251	ug/l	100
61) Tetrachloroethene	9.33	164	139603	18.427	ug/l	96
62) Toluene	8.78	91	631145	18.442	ug/l	99
64) Chlorobenzene	10.14	112	387583	18.113	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	144957	18.098	ug/l	98
66) Ethyl Benzene	10.25	91	682337	18.149	ug/l	99
67) m/p-Xylenes	10.35	106	519302	35.807	ug/l	99
68) o-Xylene	10.70	106	253705	18.127	ug/l	98
69) Styrene	10.71	104	425849	17.818	ug/l	98
70) Isopropylbenzene	11.01	105	674810	18.297	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	239186	18.113	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	221535m	19.868	ug/l	
73) Bromobenzene	11.25	156	175015	17.995	ug/l	98
74) n-propylbenzene	11.35	91	762678	18.197	ug/l	100
75) 2-Chlorotoluene	11.42	91	453943	18.213	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	556278	17.945	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	74238	16.466	ug/l	98
78) 4-Chlorotoluene	11.51	91	507394	17.768	ug/l	100
79) tert-butylbenzene	11.76	119	566272	18.105	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	552578	17.887	ug/l	100
81) sec-Butylbenzene	11.94	105	640411	17.946	ug/l	99
82) p-Isopropyltoluene	12.06	119	587077	17.856	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	298872	17.479	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	299094	17.622	ug/l	98
85) n-Butylbenzene	12.38	91	485675	17.115	ug/l	100
86) Hexachloroethane	12.59	117	101156	16.766	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	307458	17.982	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	52350	17.727	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	197615	16.762	ug/l	97
90) Hexachlorobutadiene	13.77	225	94713	16.765	ug/l	97
91) Naphthalene	13.83	128	648577	17.375	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	203357	17.068	ug/l	99

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

