

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030819\
 Data File : VX007924.D
 Acq On : 08 Mar 2019 11:40
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 9:31:04 AM

Quant Time: Mar 08 13:03:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 11:32:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	42615	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	240341	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	209176	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	84970	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	11.14	95	101073	30.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.13%
63) Toluene-d8	8.71	98	287202	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	365391	143.100	ug/l 99
3) Chloromethane	1.33	50	380711	132.098	ug/l 97
4) Vinyl Chloride	1.41	62	398128	141.192	ug/l 99
5) Bromomethane	1.64	94	187547	131.702	ug/l 99
6) Chloroethane	1.71	64	217203	129.882	ug/l 96
7) Trichlorofluoromethane	1.92	101	483615	136.940	ug/l 97
8) Diethyl Ether	2.19	74	267400	149.540	ug/l 88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	381503	145.319	ug/l 98
10) 1,1-Dichloroethene	2.37	96	370648	149.862	ug/l 94
11) Methyl Iodide	2.51	142	602613	157.161	ug/l 95
12) Methyl Acetate	2.78	43	547214	137.610	ug/l 96
13) Acrolein	2.30	56	343222	747.574	ug/l 98
14) Acrylonitrile	3.15	53	1205820	720.646	ug/l 100
15) Acetone	2.45	58	377592	605.738	ug/l 100
16) Carbon Disulfide	2.57	76	1170722	151.126	ug/l 99
17) Allyl chloride	2.73	41	762001	150.381	ug/l 87
18) Methylene Chloride	2.85	84	401072	140.582	ug/l 94
19) trans-1,2-Dichloroethene	3.16	96	388714	148.214	ug/l 96
20) Diisopropyl ether	3.87	45	1365283	146.524	ug/l 92
21) 1,1-Dichloroethane	3.70	63	740938	146.133	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	450422	149.051	ug/l 92
23) tert-Butyl Alcohol	3.10	59	482048	712.550	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	1264064	148.351	ug/l 95
25) Chloroform	5.22	83	701049	146.574	ug/l 98
26) Cyclohexane	5.57	56	704632	151.470	ug/l # 92
29) 1,1-Dichloropropene	5.80	75	557736	145.474	ug/l 97
30) 2-Butanone	4.70	43	1730327	656.414	ug/l 97
31) 2,2-Dichloropropane	4.59	77	533282	151.890	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	612931	148.430	ug/l 99
33) Carbon Tetrachloride	5.78	117	549969	150.585	ug/l 98
34) Benzene	6.14	78	1676279	142.006	ug/l 98
35) Methacrylonitrile	5.06	41	359258	141.888	ug/l 96
36) 1,2-Dichloroethane	6.20	62	535063	138.705	ug/l 99
37) Trichloroethene	7.21	130	459000	143.881	ug/l 97
38) Methylcyclohexane	7.46	83	718680	147.923	ug/l 96
39) 1,2-Dichloropropane	7.52	63	441721	143.843	ug/l 100
40) Dibromomethane	7.66	93	279723	143.547	ug/l 93

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

41) Bromodichloromethane	7.90	83	545226	149.138	ug/l	99
42) Vinyl Acetate	3.83	43	6020130	717.259	ug/l	97
43) Ethyl Acetate	4.86	43	633557	139.542	ug/l #	82
44) Isopropyl Acetate	6.46	43	1013296	147.928	ug/l	99
45) 1,4-Dioxane	7.76	88	203448	2810.781	ug/l	93
46) Methyl methacrylate	7.77	41	521962	144.155	ug/l	90
47) n-amyl Acetate	10.90	43	881890	149.792	ug/l	95
48) t-1,3-Dichloropropene	9.04	75	634077	163.139	ug/l	98
49) cis-1,3-Dichloropropene	8.44	75	694292	156.352	ug/l	96
50) 1,1,2-Trichloroethane	9.22	97	411244	137.287	ug/l	95
51) Ethyl methacrylate	9.18	69	657440	146.537	ug/l	94
52) 1,3-Dichloropropane	9.37	76	689095	139.677	ug/l	99
53) Dibromochloromethane	9.59	129	457543	151.320	ug/l	100
54) 1,2-Dibromoethane	9.68	107	442480	142.243	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	1500035	715.555	ug/l	99
56) Bromoform	10.86	173	376440	157.330	ug/l #	98
58) 4-Methyl-2-Pentanone	8.65	43	3060102	701.335	ug/l	99
59) 2-Hexanone	9.50	43	2373876	686.461	ug/l	98
61) Tetrachloroethene	9.34	164	425865	137.181	ug/l	97
62) Toluene	8.79	91	1781369	144.840	ug/l	100
64) Chlorobenzene	10.14	112	1123744	143.006	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	419096	150.455	ug/l	99
66) Ethyl Benzene	10.25	91	1933300	146.715	ug/l	98
67) m/p-Xylenes	10.36	106	1475997	291.799	ug/l	98
68) o-Xylene	10.70	106	718270	146.316	ug/l	99
69) Styrene	10.71	104	1193067	147.792	ug/l	99
70) Isopropylbenzene	11.02	105	1898755	144.373	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	621372	142.741	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	575626m	139.712	ug/l	
73) Bromobenzene	11.26	156	506578	145.007	ug/l	95
74) n-propylbenzene	11.36	91	2160427	145.933	ug/l	99
75) 2-Chlorotoluene	11.42	91	1274371	143.066	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	1589084	146.138	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	215953	178.552	ug/l	84
78) 4-Chlorotoluene	11.51	91	1474647	147.247	ug/l	97
79) tert-butylbenzene	12.07	119	1722722	148.000	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	1617126	146.625	ug/l	98
81) sec-Butylbenzene	11.94	105	1919956	147.079	ug/l	99
82) p-Isopropyltoluene	12.07	119	1722722	148.000	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	917105	148.051	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	918634	148.263	ug/l	98
85) n-Butylbenzene	12.39	91	1539762	156.418	ug/l	98
86) Hexachloroethane	12.60	117	301296	161.794	ug/l	83
87) 1,2-Dichlorobenzene	12.39	146	899315	146.619	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	139558	160.756	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	685025	157.710	ug/l	98
90) Hexachlorobutadiene	13.78	225	358563	147.696	ug/l	98
91) Naphthalene	13.83	128	1974049	158.766	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	672781	155.341	ug/l	99

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

