

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040720\
 Data File : VX015533.D
 Acq On : 07 Apr 2020 13:05
 Operator : JC/SP
 Sample : VX0407WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0407WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2020 11:12:11 AM

Quant Time: Apr 08 03:17:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	193154	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	1084399	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	994770	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	472292	31.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.30%
60) 4-Bromofluorobenzene	11.12	95	517640	30.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.37%
63) Toluene-d8	8.70	98	1268478	30.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	169781	18.406	ug/l 98
3) Chloromethane	1.31	50	211529	18.581	ug/l 97
4) Vinyl Chloride	1.39	62	208144	19.006	ug/l 98
5) Bromomethane	1.63	94	144255	24.743	ug/l 98
6) Chloroethane	1.72	64	133870	19.593	ug/l 97
7) Trichlorofluoromethane	1.92	101	311965	19.933	ug/l 94
8) Diethyl Ether	2.17	74	125234	20.798	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	210844	20.363	ug/l 98
10) 1,1-Dichloroethene	2.36	96	207335	19.714	ug/l 95
11) Methyl Iodide	2.49	142	272979	19.531	ug/l 96
12) Methyl Acetate	2.75	43	298020	19.365	ug/l 97
13) Acrolein	2.27	56	222966	111.369	ug/l 94
14) Acrylonitrile	3.11	53	632137	95.944	ug/l 99
15) Acetone	2.42	58	162026	96.712	ug/l 78
16) Carbon Disulfide	2.55	76	589103	19.161	ug/l 99
17) Allyl chloride	2.70	41	456141	19.210	ug/l 98
18) Methylene Chloride	2.83	84	234296	19.842	ug/l 95
19) trans-1,2-Dichloroethene	3.14	96	222850	19.587	ug/l 94
20) Diisopropyl ether	3.83	45	854465	20.063	ug/l 90
21) 1,1-Dichloroethane	3.67	63	433093	19.922	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	261132	19.923	ug/l 99
23) tert-Butyl Alcohol	3.01	59	273590	84.421	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	775658	19.864	ug/l 99
25) Chloroform	5.18	83	436705	20.323	ug/l 97
26) Cyclohexane	5.55	56	402917	19.398	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	329858	20.247	ug/l 99
30) 2-Butanone	4.63	43	927175	94.934	ug/l 99
31) 2,2-Dichloropropane	4.55	77	393882	20.090	ug/l 99
32) 1,1,1-Trichloroethane	5.47	97	395645	19.904	ug/l 98
33) Carbon Tetrachloride	5.76	117	357866	19.756	ug/l 99
34) Benzene	6.11	78	944062	20.105	ug/l 99
35) Methacrylonitrile	5.00	41	213810	19.305	ug/l 98
36) 1,2-Dichloroethane	6.16	62	377887	20.827	ug/l 100
37) Trichloroethene	7.19	130	263887	19.959	ug/l 100
38) Methylcyclohexane	7.44	83	397927	19.924	ug/l 99
39) 1,2-Dichloropropane	7.49	63	247313	19.609	ug/l 93
40) Dibromomethane	7.64	93	167008	19.894	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	355209	19.470	ug/l	99
42) Vinyl Acetate	3.78	43	3804789	102.817	ug/l	99
43) Ethyl Acetate	4.79	43	358271	16.864	ug/l	98
44) Isopropyl Acetate	6.41	43	644710	18.857	ug/l	99
45) 1,4-Dioxane	7.72	88	103712	329.284	ug/l	99
46) Methyl methacrylate	7.75	41	324256	19.005	ug/l	99
47) n-amyl Acetate	10.88	43	564154	19.137	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	393876	18.701	ug/l	98
49) cis-1,3-Dichloropropene	8.42	75	424521	19.528	ug/l	100
50) 1,1,2-Trichloroethane	9.20	97	236450	19.627	ug/l	98
51) Ethyl methacrylate	9.16	69	400043	19.307	ug/l	98
52) 1,3-Dichloropropane	9.36	76	416697	20.025	ug/l	99
53) Dibromochloromethane	9.56	129	279502	18.820	ug/l	98
54) 1,2-Dibromoethane	9.65	107	250380	19.369	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	962550	98.360	ug/l	99
56) Bromoform	10.84	173	218703	17.910	ug/l #	96
58) 4-Methyl-2-Pentanone	8.62	43	1872053	98.329	ug/l	99
59) 2-Hexanone	9.47	43	1389110	95.907	ug/l	100
61) Tetrachloroethene	9.32	164	259105	20.264	ug/l	99
62) Toluene	8.76	91	1008987	20.025	ug/l	100
64) Chlorobenzene	10.12	112	643872	19.876	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.20	131	258590	19.534	ug/l	95
66) Ethyl Benzene	10.24	91	1162844	20.202	ug/l	100
67) m/p-Xylenes	10.34	106	865625	39.733	ug/l	99
68) o-Xylene	10.68	106	422952	19.862	ug/l	98
69) Styrene	10.70	104	740178	19.950	ug/l	99
70) Isopropylbenzene	11.00	105	1152765	20.420	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.25	83	350681	19.166	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	335212m	19.580	ug/l	
73) Bromobenzene	11.24	156	294806	19.454	ug/l	99
74) n-propylbenzene	11.34	91	1333835	20.599	ug/l	98
75) 2-Chlorotoluene	11.40	91	793643	20.152	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	959554	19.793	ug/l	98
77) t-1,4-Dichloro-2-butene	11.06	75	128425	17.407	ug/l	94
78) 4-Chlorotoluene	11.49	91	937695	20.581	ug/l	99
79) tert-butylbenzene	11.76	119	939443	19.389	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	979095	19.937	ug/l	99
81) sec-Butylbenzene	11.93	105	1119674	20.145	ug/l	100
82) p-Isopropyltoluene	12.05	119	1061523	20.264	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	540573	19.838	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	529064	19.456	ug/l	98
85) n-Butylbenzene	12.37	91	956424	20.483	ug/l	99
86) Hexachloroethane	12.58	117	185308	18.302	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	511326	19.234	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	87337	18.122	ug/l	96
89) 1,2,4-Trichlorobenzene	13.63	180	407537	19.030	ug/l	97
90) Hexachlorobutadiene	13.76	225	197788	17.532	ug/l	99
91) Naphthalene	13.82	128	1219207	19.661	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	396221	18.625	ug/l	99

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

