

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040720\
 Data File : VX015534.D
 Acq On : 07 Apr 2020 13:40
 Operator : JC/SP
 Sample : VX0407WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0407WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2020 11:12:15 AM

Quant Time: Apr 08 03:19:26 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	190267	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.83	114	1048291	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	957309	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	460232	30.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.17%
60) 4-Bromofluorobenzene	11.12	95	504687	30.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.70%
63) Toluene-d8	8.70	98	1214715	29.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	163583	18.004	ug/l 99
3) Chloromethane	1.31	50	199725	17.811	ug/l 99
4) Vinyl Chloride	1.39	62	197751	18.331	ug/l 98
5) Bromomethane	1.63	94	137992	24.028	ug/l 95
6) Chloroethane	1.71	64	127219	18.902	ug/l 98
7) Trichlorofluoromethane	1.92	101	302891	19.647	ug/l 96
8) Diethyl Ether	2.17	74	121262	20.444	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	201300	19.736	ug/l 97
10) 1,1-Dichloroethene	2.36	96	191550	18.489	ug/l 97
11) Methyl Iodide	2.49	142	268440	19.498	ug/l 98
12) Methyl Acetate	2.75	43	299581	19.762	ug/l 97
13) Acrolein	2.27	56	210247	106.610	ug/l 94
14) Acrylonitrile	3.11	53	637173	98.175	ug/l 99
15) Acetone	2.42	58	162045	98.191	ug/l 93
16) Carbon Disulfide	2.55	76	565253	18.664	ug/l 98
17) Allyl chloride	2.70	41	438928	18.765	ug/l 98
18) Methylene Chloride	2.83	84	226979	19.514	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	220036	19.634	ug/l 99
20) Diisopropyl ether	3.83	45	844375	20.127	ug/l 90
21) 1,1-Dichloroethane	3.67	63	422020	19.707	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	250165	19.376	ug/l 99
23) tert-Butyl Alcohol	3.01	59	279629	87.593	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	774585	20.137	ug/l 99
25) Chloroform	5.18	83	421690	19.922	ug/l 99
26) Cyclohexane	5.54	56	382442	18.692	ug/l # 98
29) 1,1-Dichloropropene	5.77	75	315226	20.015	ug/l 99
30) 2-Butanone	4.63	43	920996	97.550	ug/l 100
31) 2,2-Dichloropropane	4.55	77	369877	19.516	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	387494	20.165	ug/l 99
33) Carbon Tetrachloride	5.75	117	335078	19.135	ug/l 98
34) Benzene	6.11	78	900579	19.840	ug/l 99
35) Methacrylonitrile	5.00	41	213760	19.966	ug/l 93
36) 1,2-Dichloroethane	6.16	62	371185	21.162	ug/l 100
37) Trichloroethene	7.19	130	251516	19.679	ug/l 97
38) Methylcyclohexane	7.44	83	379989	19.681	ug/l 98
39) 1,2-Dichloropropane	7.49	63	240769	19.748	ug/l 97
40) Dibromomethane	7.64	93	162570	20.033	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	349006	19.788	ug/l	99
42) Vinyl Acetate	3.78	43	3778359	105.620	ug/l	100
43) Ethyl Acetate	4.79	43	374702	18.245	ug/l	98
44) Isopropyl Acetate	6.41	43	648025	19.607	ug/l	100
45) 1,4-Dioxane	7.71	88	108480	356.286	ug/l	97
46) Methyl methacrylate	7.75	41	324044	19.647	ug/l	99
47) n-amyl Acetate	10.88	43	559531	19.634	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	391623	19.235	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	410634	19.540	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	231686	19.894	ug/l	97
51) Ethyl methacrylate	9.16	69	395508	19.746	ug/l	98
52) 1,3-Dichloropropane	9.35	76	408659	20.315	ug/l	99
53) Dibromochloromethane	9.56	129	271016	18.878	ug/l	99
54) 1,2-Dibromoethane	9.65	107	251493	20.125	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	959580	101.434	ug/l	99
56) Bromoform	10.84	173	210660	17.846	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	1857828	101.401	ug/l	100
59) 2-Hexanone	9.47	43	1388405	99.610	ug/l	99
61) Tetrachloroethene	9.32	164	247787	20.137	ug/l	96
62) Toluene	8.76	91	974093	20.089	ug/l	99
64) Chlorobenzene	10.12	112	628815	20.170	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	247304	19.413	ug/l	97
66) Ethyl Benzene	10.24	91	1125375	20.316	ug/l	99
67) m/p-Xylenes	10.34	106	839753	40.054	ug/l	99
68) o-Xylene	10.68	106	413937	20.199	ug/l	99
69) Styrene	10.70	104	725948	20.333	ug/l	99
70) Isopropylbenzene	11.01	105	1119562	20.608	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	350769	19.921	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	333491m	20.241	ug/l	
73) Bromobenzene	11.24	156	288586	19.789	ug/l	100
74) n-propylbenzene	11.34	91	1309997	21.023	ug/l	99
75) 2-Chlorotoluene	11.40	91	772356	20.379	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	930217	19.939	ug/l	98
77) t-1,4-Dichloro-2-butene	11.06	75	123959	17.459	ug/l	93
78) 4-Chlorotoluene	11.49	91	911165	20.782	ug/l	99
79) tert-butylbenzene	11.76	119	937404	20.104	ug/l	100
80) 1,2,4-Trimethylbenzene	11.79	105	947748	20.054	ug/l	99
81) sec-Butylbenzene	11.93	105	1092266	20.421	ug/l	100
82) p-Isopropyltoluene	12.05	119	1024336	20.319	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	532969	20.325	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	535900	20.478	ug/l	100
85) n-Butylbenzene	12.37	91	931043	20.720	ug/l	100
86) Hexachloroethane	12.58	117	180771	18.553	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	505292	19.751	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	85251	18.381	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	413008	20.040	ug/l	98
90) Hexachlorobutadiene	13.77	225	198343	18.269	ug/l	97
91) Naphthalene	13.82	128	1193924	20.006	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	395827	19.334	ug/l	99

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

