

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020320\
 Data File : VX014793.D
 Acq On : 03 Feb 2020 13:44
 Operator : JC/SP
 Sample : VX0203WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0203WBS02

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 3:32:17 PM

Quant Time: Feb 03 14:26:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	68122	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	380425	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	343965	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	150755	31.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.93%
60) 4-Bromofluorobenzene	11.13	95	165562	30.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.27%
63) Toluene-d8	8.71	98	478147	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	101610	21.583 ug/l	97
3) Chloromethane	1.32	50	106471	20.656 ug/l	95
4) Vinyl Chloride	1.40	62	122145	21.105 ug/l	99
5) Bromomethane	1.64	94	71908	19.911 ug/l	100
6) Chloroethane	1.72	64	69248	21.225 ug/l	99
7) Trichlorofluoromethane	1.92	101	140917	21.990 ug/l	98
8) Diethyl Ether	2.18	74	59811	21.368 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	83213	22.195 ug/l	99
10) 1,1-Dichloroethene	2.37	96	79106	20.977 ug/l	98
11) Methyl Iodide	2.50	142	106644	21.087 ug/l	96
12) Methyl Acetate	2.76	43	146013	21.433 ug/l	99
13) Acrolein	2.28	56	67242	93.972 ug/l	96
14) Acrylonitrile	3.12	53	235453	101.009 ug/l	99
15) Acetone	2.43	58	74288	95.063 ug/l	74
16) Carbon Disulfide	2.56	76	210635	20.337 ug/l	98
17) Allyl chloride	2.72	41	142575	20.429 ug/l	93
18) Methylene Chloride	2.84	84	94617	21.438 ug/l	95
19) trans-1,2-Dichloroethene	3.15	96	84977	20.932 ug/l	97
20) Diisopropyl ether	3.84	45	298324	21.605 ug/l	96
21) 1,1-Dichloroethane	3.69	63	158442	21.122 ug/l	99
22) cis-1,2-Dichloroethene	4.58	96	98787	21.176 ug/l	97
23) tert-Butyl Alcohol	3.02	59	99347	103.055 ug/l	# 100
24) Methyl tert-Butyl Ether	3.18	73	267944	21.350 ug/l	95
25) Chloroform	5.20	83	157535	21.679 ug/l	100
26) Cyclohexane	5.57	56	143372	20.721 ug/l	# 98
29) 1,1-Dichloropropene	5.79	75	117412	21.044 ug/l	98
30) 2-Butanone	4.65	43	346156	97.944 ug/l	100
31) 2,2-Dichloropropane	4.57	77	128199	21.475 ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	133612	21.647 ug/l	98
33) Carbon Tetrachloride	5.78	117	114604	21.627 ug/l	94
34) Benzene	6.13	78	362865	21.047 ug/l	99
35) Methacrylonitrile	5.02	41	71399	20.228 ug/l	98
36) 1,2-Dichloroethane	6.18	62	128263	21.378 ug/l	100
37) Trichloroethene	7.20	130	100192	21.225 ug/l	95
38) Methylcyclohexane	7.45	83	138732	19.971 ug/l	98
39) 1,2-Dichloropropane	7.50	63	91891	20.497 ug/l	93
40) Dibromomethane	7.65	93	60993	21.169 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	120121	21.290	ug/l	100
42) Vinyl Acetate	3.80	43	1128112	103.561	ug/l	99
43) Ethyl Acetate	4.81	43	123412	19.290	ug/l	99
44) Isopropyl Acetate	6.43	43	208458	20.197	ug/l	100
45) 1,4-Dioxane	7.73	88	41767	404.557	ug/l	98
46) Methyl methacrylate	7.76	41	104305	20.551	ug/l	96
47) n-amyl Acetate	10.89	43	178400	20.629	ug/l	97
48) t-1,3-Dichloropropene	9.03	75	128424	20.848	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	144673	20.844	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	91710	20.919	ug/l	99
51) Ethyl methacrylate	9.17	69	138722	20.322	ug/l	98
52) 1,3-Dichloropropane	9.37	76	154748	20.833	ug/l	98
53) Dibromochloromethane	9.57	129	93669	20.888	ug/l	100
54) 1,2-Dibromoethane	9.67	107	97074	21.350	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	307855	98.130	ug/l	100
56) Bromoform	10.85	173	70194	20.322	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	664515	102.589	ug/l	100
59) 2-Hexanone	9.48	43	512699	102.344	ug/l	99
61) Tetrachloroethene	9.33	164	114147	22.452	ug/l	95
62) Toluene	8.78	91	390874	21.419	ug/l	100
64) Chlorobenzene	10.13	112	239780	21.048	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	91520	21.752	ug/l	98
66) Ethyl Benzene	10.24	91	418726	21.066	ug/l	99
67) m/p-Xylenes	10.35	106	323298	42.463	ug/l	99
68) o-Xylene	10.70	106	155139	20.925	ug/l	98
69) Styrene	10.71	104	260305	20.722	ug/l	99
70) Isopropylbenzene	11.01	105	410102	21.114	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	132823	20.301	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	131885m	23.566	ug/l	
73) Bromobenzene	11.25	156	106917	20.765	ug/l	98
74) n-propylbenzene	11.35	91	471187	21.230	ug/l	98
75) 2-Chlorotoluene	11.42	91	278207	20.915	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	342446	21.159	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	42733	19.840	ug/l	97
78) 4-Chlorotoluene	11.51	91	322456	21.345	ug/l	98
79) tert-butylbenzene	11.76	119	314695	20.780	ug/l	95
80) 1,2,4-Trimethylbenzene	11.80	105	350306	21.701	ug/l	99
81) sec-Butylbenzene	11.94	105	399763	21.333	ug/l	99
82) p-Isopropyltoluene	12.06	119	362434	21.186	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	189063	21.030	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	189703	21.284	ug/l	99
85) n-Butylbenzene	12.38	91	305214	20.391	ug/l	99
86) Hexachloroethane	12.59	117	63859	20.816	ug/l	98
87) 1,2-Dichlorobenzene	12.38	146	192645	21.237	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	28349	20.284	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	124664	20.821	ug/l	99
90) Hexachlorobutadiene	13.77	225	64150	21.442	ug/l	97
91) Naphthalene	13.83	128	366876	20.299	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	128284	21.049	ug/l	98

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

