

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090420\
 Data File : VX018257.D
 Acq On : 04 Sep 2020 14:05
 Operator : JC/SP
 Sample : VX0904WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0904WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 5:17:24 PM

Quant Time: Sep 05 06:50:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	80273	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	407573	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	391642	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	192199	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	11.12	95	200007	29.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.20%
63) Toluene-d8	8.70	98	514334	29.80	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	83229	19.594	ug/l 96
3) Chloromethane	1.31	50	94659	20.980	ug/l 94
4) Vinyl Chloride	1.39	62	95165	20.031	ug/l 99
5) Bromomethane	1.64	94	69275	21.431	ug/l 93
6) Chloroethane	1.72	64	57670	19.972	ug/l 99
7) Trichlorofluoromethane	1.92	101	162962	20.240	ug/l 99
8) Diethyl Ether	2.17	74	53269	20.986	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	84673	20.583	ug/l 99
10) 1,1-Dichloroethene	2.36	96	81358	20.148	ug/l 95
11) Methyl Iodide	2.49	142	87544	21.870	ug/l 96
12) Methyl Acetate	2.75	43	113528	21.358	ug/l 97
13) Acrolein	2.27	56	37499	87.414	ug/l 97
14) Acrylonitrile	3.11	53	250878	104.162	ug/l 99
15) Acetone	2.42	58	68406	104.461	ug/l 92
16) Carbon Disulfide	2.55	76	240673	20.469	ug/l 97
17) Allyl chloride	2.71	41	146535	20.303	ug/l 99
18) Methylene Chloride	2.84	84	96243	20.307	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	90034	20.082	ug/l 98
20) Diisopropyl ether	3.82	45	302563	21.175	ug/l 95
21) 1,1-Dichloroethane	3.67	63	168701	20.570	ug/l 98
22) cis-1,2-Dichloroethene	4.56	96	101063	20.373	ug/l 96
23) tert-Butyl Alcohol	3.01	59	107068	102.582	ug/l # 99
24) Methyl tert-Butyl Ether	3.17	73	304386	21.203	ug/l 99
25) Chloroform	5.18	83	176981	20.220	ug/l 100
26) Cyclohexane	5.54	56	131977	19.937	ug/l # 50
29) 1,1-Dichloropropene	5.78	75	126047	20.260	ug/l 100
30) 2-Butanone	4.63	43	354403	104.036	ug/l 100
31) 2,2-Dichloropropane	4.29	77	99	0.013	ug/l 91
32) 1,1,1-Trichloroethane	5.47	97	165544	20.329	ug/l 98
33) Carbon Tetrachloride	5.75	117	153360	20.210	ug/l 96
34) Benzene	6.12	78	366531	20.639	ug/l 97
35) Methacrylonitrile	5.00	41	79053	22.020	ug/l 92
36) 1,2-Dichloroethane	6.16	62	156931	21.352	ug/l # 100
37) Trichloroethene	7.19	130	104466	20.342	ug/l 96
38) Methylcyclohexane	7.44	83	133403	20.130	ug/l 97
39) 1,2-Dichloropropane	7.49	63	96434	20.274	ug/l 92
40) Dibromomethane	7.63	93	69464	20.223	ug/l 97

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

41) Bromodichloromethane	7.87	83	145275	20.407	ug/l	96
42) Vinyl Acetate	3.78	43	1343941	105.744	ug/l	100
43) Ethyl Acetate	4.79	43	140310	20.714	ug/l	95
44) Isopropyl Acetate	6.41	43	226207	20.722	ug/l	97
45) 1,4-Dioxane	7.71	88	37082	406.609	ug/l #	90
46) Methyl methacrylate	7.74	41	113130	21.057	ug/l	97
47) n-amyl Acetate	10.88	43	193286	20.150	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	155024	20.272	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	162548	20.234	ug/l	95
50) 1,1,2-Trichloroethane	9.20	97	96509	20.163	ug/l	92
51) Ethyl methacrylate	9.16	69	140433	20.254	ug/l	96
52) 1,3-Dichloropropane	9.35	76	162562	20.462	ug/l	97
53) Dibromochloromethane	9.57	129	122813	20.637	ug/l	98
54) 1,2-Dibromoethane	9.65	107	111426	21.221	ug/l	93
55) 2-Chloroethyl vinyl ether	8.29	63	377192	104.178	ug/l	99
56) Bromoform	10.84	173	90634	20.044	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	702012	104.216	ug/l	99
59) 2-Hexanone	9.47	43	527046	103.297	ug/l	99
61) Tetrachloroethene	9.32	164	104246	21.342	ug/l	85
62) Toluene	8.76	91	403092	20.451	ug/l	100
64) Chlorobenzene	10.12	112	256701	20.267	ug/l	93
65) 1,1,1,2-Tetrachloroethane	10.20	131	105874	20.640	ug/l	97
66) Ethyl Benzene	10.24	91	437266	20.078	ug/l	96
67) m/p-Xylenes	10.34	106	339211	40.728	ug/l	99
68) o-Xylene	10.68	106	157576	20.023	ug/l	99
69) Styrene	10.70	104	278659	20.296	ug/l	99
70) Isopropylbenzene	11.00	105	432588	19.766	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	148225	20.726	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	145760m	21.213	ug/l	
73) Bromobenzene	11.24	156	123268	20.560	ug/l	96
74) n-propylbenzene	11.34	91	509302	19.764	ug/l	97
75) 2-Chlorotoluene	11.40	91	311044	19.915	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	380118	19.937	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	52188	19.544	ug/l	88
78) 4-Chlorotoluene	11.49	91	371598	19.945	ug/l	100
79) tert-butylbenzene	11.76	119	362211	19.722	ug/l	96
80) 1,2,4-Trimethylbenzene	11.79	105	384938	20.414	ug/l	99
81) sec-Butylbenzene	11.93	105	425984	19.857	ug/l	97
82) p-Isopropyltoluene	12.05	119	400893	20.043	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	213177	19.886	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	217695	20.309	ug/l	98
85) n-Butylbenzene	12.37	91	346978	19.704	ug/l	98
86) Hexachloroethane	12.58	117	80144	20.351	ug/l	93
87) 1,2-Dichlorobenzene	12.38	146	203733	20.296	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	37783	20.651	ug/l	93
89) 1,2,4-Trichlorobenzene	13.63	180	139330	20.516	ug/l	96
90) Hexachlorobutadiene	13.77	225	59077	20.565	ug/l	91
91) Naphthalene	13.82	128	425805	20.090	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	137474	20.461	ug/l	100

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

