

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030620\
 Data File : VX015121.D
 Acq On : 06 Mar 2020 13:02
 Operator : JC/SP
 Sample : VX0306WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0306WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:36:35 AM

Quant Time: Mar 07 00:42:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	61366	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	320267	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	300853	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	128549	30.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.43%
60) 4-Bromofluorobenzene	11.13	95	139321	29.73	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.10%
63) Toluene-d8	8.71	98	397393	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	47746	17.424 ug/l	95
3) Chloromethane	1.32	50	74681	21.076 ug/l	97
4) Vinyl Chloride	1.40	62	74759	19.604 ug/l	100
5) Bromomethane	1.65	94	49960	18.708 ug/l	96
6) Chloroethane	1.72	64	49447	19.357 ug/l	97
7) Trichlorofluoromethane	1.93	101	95495	17.206 ug/l	100
8) Diethyl Ether	2.18	74	43380	18.580 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	61601	19.197 ug/l	100
10) 1,1-Dichloroethene	2.37	96	61287	18.998 ug/l	98
11) Methyl Iodide	2.50	142	54451	13.892 ug/l	98
12) Methyl Acetate	2.76	43	88849	22.133 ug/l	94
13) Acrolein	2.28	56	82871	103.801 ug/l	100
14) Acrylonitrile	3.13	53	177492	97.905 ug/l	99
15) Acetone	2.44	58	50739	78.206 ug/l	89
16) Carbon Disulfide	2.56	76	154695	17.835 ug/l	100
17) Allyl chloride	2.72	41	117390	20.919 ug/l	87
18) Methylene Chloride	2.85	84	74958	20.167 ug/l	98
19) trans-1,2-Dichloroethene	3.15	96	67818	19.140 ug/l	97
20) Diisopropyl ether	3.84	45	237085	20.688 ug/l	96
21) 1,1-Dichloroethane	3.69	63	126254	20.097 ug/l	99
22) cis-1,2-Dichloroethene	4.58	96	79741	19.666 ug/l	97
23) tert-Butyl Alcohol	3.05	59	72558	100.966 ug/l	# 100
24) Methyl tert-Butyl Ether	3.18	73	217056	20.224 ug/l	99
25) Chloroform	5.20	83	127010	20.048 ug/l	95
26) Cyclohexane	5.57	56	108022	19.239 ug/l	# 97
29) 1,1-Dichloropropene	5.79	75	95278	21.033 ug/l	96
30) 2-Butanone	4.66	43	243344	93.067 ug/l	99
31) 2,2-Dichloropropane	4.56	77	98669	19.836 ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	104761	20.364 ug/l	98
33) Carbon Tetrachloride	5.77	117	90299	20.052 ug/l	97
34) Benzene	6.13	78	282567	20.672 ug/l	98
35) Methacrylonitrile	5.02	41	53832	20.183 ug/l	96
36) 1,2-Dichloroethane	6.18	62	103672	21.427 ug/l	98
37) Trichloroethene	7.20	130	77915	20.302 ug/l	100
38) Methylcyclohexane	7.45	83	110332	19.650 ug/l	98
39) 1,2-Dichloropropane	7.50	63	74741	21.243 ug/l	97
40) Dibromomethane	7.65	93	48519	20.652 ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	98691	21.265	ug/l	99
42) Vinyl Acetate	3.80	43	983378	106.850	ug/l	100
43) Ethyl Acetate	4.82	43	93803	19.827	ug/l	96
44) Isopropyl Acetate	6.43	43	158404	19.917	ug/l	99
45) 1,4-Dioxane	7.76	88	33333	453.578	ug/l	98
46) Methyl methacrylate	7.76	41	78384	19.922	ug/l	97
47) n-amyl Acetate	10.89	43	136629	19.830	ug/l	98
48) t-1,3-Dichloropropene	9.03	75	106619	20.707	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	118817	20.960	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	73760	21.073	ug/l	98
51) Ethyl methacrylate	9.17	69	106045	19.629	ug/l	97
52) 1,3-Dichloropropane	9.36	76	126390	21.345	ug/l	99
53) Dibromochloromethane	9.57	129	77906	20.586	ug/l	99
54) 1,2-Dibromoethane	9.67	107	77055	20.734	ug/l	98
55) 2-Chloroethyl vinyl ether	8.30	63	290018	100.778	ug/l	98
56) Bromoform	10.85	173	57591	19.413	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	494113	100.214	ug/l	99
59) 2-Hexanone	9.48	43	360491	93.574	ug/l	99
61) Tetrachloroethene	9.33	164	80472	19.915	ug/l	96
62) Toluene	8.78	91	305838	19.847	ug/l	98
64) Chlorobenzene	10.13	112	195440	19.870	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	73581	20.196	ug/l	99
66) Ethyl Benzene	10.25	91	336832	19.843	ug/l	97
67) m/p-Xylenes	10.35	106	256811	39.233	ug/l	99
68) o-Xylene	10.70	106	122256	19.303	ug/l	99
69) Styrene	10.71	104	208995	19.321	ug/l	99
70) Isopropylbenzene	11.01	105	329796	19.603	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	109277	20.174	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	90726m	20.192	ug/l	
73) Bromobenzene	11.25	156	87848	19.325	ug/l	94
74) n-propylbenzene	11.35	91	388631	20.296	ug/l	98
75) 2-Chlorotoluene	11.42	91	231234	20.435	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	275025	19.506	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	32491	17.933	ug/l	96
78) 4-Chlorotoluene	11.51	91	263534	20.134	ug/l	100
79) tert-butylbenzene	11.76	119	266422	19.558	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	277924	19.827	ug/l	99
81) sec-Butylbenzene	11.94	105	326819	20.034	ug/l	100
82) p-Isopropyltoluene	12.06	119	298446	19.693	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	157249	19.733	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	157912	19.678	ug/l	98
85) n-Butylbenzene	12.38	91	263559	19.985	ug/l	98
86) Hexachloroethane	12.59	117	52825	19.284	ug/l	95
87) 1,2-Dichlorobenzene	12.38	146	160533	20.244	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	21117	17.900	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	110152	19.317	ug/l	99
90) Hexachlorobutadiene	13.77	225	57167	20.186	ug/l	94
91) Naphthalene	13.83	128	312642	19.365	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	112895	19.940	ug/l	99

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

