

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030620\
 Data File : VX015124.D
 Acq On : 06 Mar 2020 14:09
 Operator : JC/SP
 Sample : L1161-07 5.0PPB L00
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:36:47 AM

Quant Time: Mar 07 01:08:34 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	5.01	128	60467	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	309168	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	286622	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	128203	30.49	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.63%
60) 4-Bromofluorobenzene	11.13	95	130688	29.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.60%
63) Toluene-d8	8.71	98	382794	30.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	14773	5.471	ug/l 97
3) Chloromethane	1.32	50	23155	6.632	ug/l 97
4) Vinyl Chloride	1.40	62	21171	5.634	ug/l 90
5) Bromomethane	1.64	94	13329	5.065	ug/l 90
6) Chloroethane	1.72	64	13405	5.326	ug/l 90
7) Trichlorofluoromethane	1.92	101	26824	4.905	ug/l 99
8) Diethyl Ether	2.18	74	11084	4.818	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	17858	5.648	ug/l 95
10) 1,1-Dichloroethene	2.37	96	18241	5.739	ug/l 97
11) Methyl Iodide	2.50	142	12634	3.271	ug/l 97
12) Methyl Acetate	2.77	43	23257	5.880	ug/l 98
13) Acrolein	2.28	56	16227	20.628	ug/l 94
14) Acrylonitrile	3.14	53	44827	25.094	ug/l 99
15) Acetone	2.43	58	12661	19.805	ug/l 92
16) Carbon Disulfide	2.56	76	44645	5.224	ug/l 99
17) Allyl chloride	2.72	41	28408	5.138	ug/l 95
18) Methylene Chloride	2.85	84	18943	5.172	ug/l 97
19) trans-1,2-Dichloroethene	3.16	96	17958	5.144	ug/l 97
20) Diisopropyl ether	3.84	45	59022	5.227	ug/l # 77
21) 1,1-Dichloroethane	3.69	63	32521	5.254	ug/l 98
22) cis-1,2-Dichloroethene	4.58	96	21326	5.338	ug/l 95
23) tert-Butyl Alcohol	3.03	59	20215	28.548	ug/l # 99
24) Methyl tert-Butyl Ether	3.19	73	53142	5.025	ug/l 96
25) Chloroform	5.20	83	33081	5.299	ug/l 99
26) Cyclohexane	5.58	56	28516	5.154	ug/l # 94
29) 1,1-Dichloropropene	5.79	75	23900	5.465	ug/l 97
30) 2-Butanone	4.67	43	60339	23.905	ug/l 100
31) 2,2-Dichloropropane	4.58	77	25925	5.399	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	27879	5.614	ug/l 95
33) Carbon Tetrachloride	5.78	117	23054	5.303	ug/l 89
34) Benzene	6.14	78	72802	5.517	ug/l 96
35) Methacrylonitrile	5.03	41	14976m	5.816	ug/l
36) 1,2-Dichloroethane	6.19	62	26350	5.642	ug/l 98
37) Trichloroethene	7.21	130	20602	5.561	ug/l 95
38) Methylcyclohexane	7.46	83	27283	5.033	ug/l 98
39) 1,2-Dichloropropane	7.51	63	19720	5.806	ug/l 96
40) Dibromomethane	7.65	93	13028	5.744	ug/l 97

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 Response via : Initial Calibration

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

41) Bromodichloromethane	7.89	83	22826	5.095	ug/l	97
42) Vinyl Acetate	3.81	43	233369	26.267	ug/l	100
43) Ethyl Acetate	4.83	43	24187	5.296	ug/l	97
44) Isopropyl Acetate	6.44	43	39511	5.146	ug/l	98
45) 1,4-Dioxane	7.74	88	8415	118.618	ug/l #	91
46) Methyl methacrylate	7.76	41	18031	4.747	ug/l	98
47) n-amyl Acetate	10.89	43	29344	4.412	ug/l	96
48) t-1,3-Dichloropropene	9.04	75	23648	4.758	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	27567	5.038	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	18934	5.603	ug/l	95
51) Ethyl methacrylate	9.17	69	24452	4.689	ug/l	95
52) 1,3-Dichloropropane	9.37	76	31051	5.432	ug/l	96
53) Dibromochloromethane	9.57	129	18132	4.963	ug/l	99
54) 1,2-Dibromoethane	9.67	107	19109	5.327	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	66957	24.102	ug/l	99
56) Bromoform	10.85	173	12927	4.514	ug/l	94
58) 4-Methyl-2-Pentanone	8.64	43	120411	25.634	ug/l	98
59) 2-Hexanone	9.48	43	85487	23.292	ug/l	99
61) Tetrachloroethene	9.33	164	20026	5.202	ug/l	92
62) Toluene	8.78	91	79093	5.387	ug/l	99
64) Chlorobenzene	10.14	112	49051	5.234	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.21	131	17140	4.938	ug/l	97
66) Ethyl Benzene	10.25	91	80421	4.973	ug/l	99
67) m/p-Xylenes	10.36	106	62885	10.084	ug/l	97
68) o-Xylene	10.70	106	29511	4.891	ug/l	98
69) Styrene	10.71	104	48165	4.674	ug/l	99
70) Isopropylbenzene	11.01	105	78463	4.895	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	26868	5.206	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	22175m	5.180	ug/l	
73) Bromobenzene	11.25	156	22139	5.112	ug/l	96
74) n-propylbenzene	11.35	91	90480	4.960	ug/l	98
75) 2-Chlorotoluene	11.42	91	55048	5.106	ug/l	96
76) 1,3,5-Trimethylbenzene	11.50	105	65282	4.860	ug/l	97
77) t-1,4-Dichloro-2-butene	11.07	75	6681	3.871	ug/l	82
78) 4-Chlorotoluene	11.51	91	62286	4.995	ug/l	99
79) tert-butylbenzene	11.77	119	62307	4.801	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	63887	4.784	ug/l	98
81) sec-Butylbenzene	11.94	105	73663	4.740	ug/l	98
82) p-Isopropyltoluene	12.06	119	68294	4.730	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	38146	5.025	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	39499	5.167	ug/l	97
85) n-Butylbenzene	12.39	91	57027	4.539	ug/l	96
86) Hexachloroethane	12.59	117	12302	4.714	ug/l	88
87) 1,2-Dichlorobenzene	12.39	146	38733	5.127	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	4640	4.128	ug/l	89
89) 1,2,4-Trichlorobenzene	13.64	180	24845	4.573	ug/l	98
90) Hexachlorobutadiene	13.78	225	13152	4.875	ug/l	93
91) Naphthalene	13.83	128	64137	4.170	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	25192	4.671	ug/l	100

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

