

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062515.D
 Acq On : 13 Jul 2020 14:46
 Operator : JC/MD
 Sample : L3216-08 5.0PPB LOO
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:54 AM

Quant Time: Jul 14 01:16:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	41500	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	229470	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	208407	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	105737	29.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.87%
60) 4-Bromofluorobenzene	12.38	95	99730	28.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.73%
63) Toluene-d8	10.06	98	298917	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	11751	4.797 ug/l	97
3) Chloromethane	2.04	50	18720	5.293 ug/l	99
4) Vinyl Chloride	2.16	62	15903	5.144 ug/l	95
5) Bromomethane	2.53	94	7921	5.164 ug/l	86
6) Chloroethane	2.67	64	7848	5.156 ug/l	90
7) Trichlorofluoromethane	2.98	101	19392	5.352 ug/l	95
8) Diethyl Ether	3.37	74	9188	5.275 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	12468	5.323 ug/l	95
10) 1,1-Dichloroethene	3.70	96	12807	5.359 ug/l	91
11) Methyl Iodide	3.91	142	12448	4.253 ug/l	94
12) Methyl Acetate	4.28	43	17113	5.339 ug/l	94
13) Acrolein	3.57	56	9593	20.033 ug/l	92
14) Acrylonitrile	4.93	53	38545	25.859 ug/l	97
15) Acetone	3.77	58	10753	23.500 ug/l	86
16) Carbon Disulfide	4.01	76	40953	5.259 ug/l	100
17) Allyl chloride	4.27	41	27355	5.382 ug/l	95
18) Methylene Chloride	4.50	84	17263m	5.871 ug/l	
19) trans-1,2-Dichloroethene	4.99	96	14359	5.429 ug/l	89
20) Diisopropyl ether	5.91	45	55610	5.322 ug/l	91
21) 1,1-Dichloroethane	5.80	63	29292	5.303 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	15849	5.313 ug/l	99
23) tert-Butyl Alcohol	4.73	59	14746	29.560 ug/l	# 100
24) Methyl tert-Butyl Ether	5.00	73	45017	5.109 ug/l	95
25) Chloroform	7.33	83	27194	5.368 ug/l	100
26) Cyclohexane	7.61	56	25748	5.289 ug/l	# 94
29) 1,1-Dichloropropene	7.75	75	20252	5.203 ug/l	98
30) 2-Butanone	6.79	43	54212	26.262 ug/l	99
31) 2,2-Dichloropropane	6.77	77	24294	5.535 ug/l	# 88
32) 1,1,1-Trichloroethane	7.53	97	22984	5.494 ug/l	97
33) Carbon Tetrachloride	7.73	117	19006	5.241 ug/l	93
34) Benzene	8.00	78	63162	5.462 ug/l	# 68
35) Methacrylonitrile	7.13	41	9462	5.218 ug/l	98
36) 1,2-Dichloroethane	8.08	62	22807	5.487 ug/l	99
37) Trichloroethene	8.80	130	13954	5.372 ug/l	91
38) Methylcyclohexane	9.05	83	22015	5.042 ug/l	96
39) 1,2-Dichloropropane	9.09	63	17523	5.319 ug/l	98
40) Dibromomethane	9.18	93	10464	5.511 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	21381	5.309	ug/l	96
42) Vinyl Acetate	5.84	43	223356	26.038	ug/l #	90
43) Ethyl Acetate	6.89	43	19329	4.657	ug/l #	88
44) Isopropyl Acetate	8.13	43	37472	5.381	ug/l	99
45) 1,4-Dioxane	9.17	88	5296	111.185	ug/l	94
46) Methyl methacrylate	9.17	41	16866	5.106	ug/l	96
47) n-amyl Acetate	12.05	43	25563	4.355	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	24174	5.147	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	25902	5.109	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	14554	5.469	ug/l	97
51) Ethyl methacrylate	10.40	69	21630	4.827	ug/l	97
52) 1,3-Dichloropropane	10.68	76	26862	5.500	ug/l	99
53) Dibromochloromethane	10.88	129	14531	5.011	ug/l	95
54) 1,2-Dibromoethane	10.98	107	14472	5.313	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	34855	24.355	ug/l	98
56) Bromoform	12.10	173	9826	4.961	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	109213	26.897	ug/l	99
59) 2-Hexanone	10.72	43	77140	25.904	ug/l	98
61) Tetrachloroethene	10.60	164	11816	5.536	ug/l	91
62) Toluene	10.13	91	64904	5.490	ug/l	99
64) Chlorobenzene	11.41	112	37029	5.330	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	13619	5.296	ug/l	98
66) Ethyl Benzene	11.48	91	67652	5.167	ug/l	98
67) m/p-Xylenes	11.60	106	48839	10.277	ug/l	97
68) o-Xylene	11.92	106	23001	5.043	ug/l	98
69) Styrene	11.94	104	36328	4.693	ug/l	98
70) Isopropylbenzene	12.22	105	62983	5.145	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	21826	5.516	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	22478m	5.840	ug/l	
73) Bromobenzene	12.50	156	14748	5.202	ug/l	99
74) n-propylbenzene	12.56	91	71772	4.932	ug/l	99
75) 2-Chlorotoluene	12.65	91	44674	5.099	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	52213	5.005	ug/l	97
77) t-1,4-Dichloro-2-butene	12.28	75	6516	4.527	ug/l	94
78) 4-Chlorotoluene	12.75	91	43981	4.919	ug/l	98
79) tert-butylbenzene	12.97	119	43324	5.016	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	49089	4.785	ug/l	98
81) sec-Butylbenzene	13.15	105	56644	4.883	ug/l	99
82) p-Isopropyltoluene	13.26	119	47740	4.664	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	23813	4.836	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	22517	4.634	ug/l	97
85) n-Butylbenzene	13.59	91	36922	4.205	ug/l	99
86) Hexachloroethane	13.85	117	9838	4.981	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	22622	4.778	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	3593	4.808	ug/l	99
89) 1,2,4-Trichlorobenzene	14.89	180	8474	3.595	ug/l	94
90) Hexachlorobutadiene	14.98	225	6696	5.122	ug/l	95
91) Naphthalene	15.11	128	22254	3.482	ug/l	98
92) 1,2,3-Trichlorobenzene	15.29	180	9214	3.878	ug/l	98

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

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