

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064035.D
 Acq On : 9 Oct 2020 14:03
 Operator : JC/MD
 Sample : VN1009WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1009WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 2:10:07 PM

Quant Time: Oct 10 01:48:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	47152	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	240728	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	225255	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	121482	28.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.63%
60) 4-Bromofluorobenzene	12.38	95	111855	29.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.80%
63) Toluene-d8	10.06	98	309835	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	58428	18.308	ug/l 99
3) Chloromethane	2.04	50	60795	18.408	ug/l 99
4) Vinyl Chloride	2.16	62	60256	18.340	ug/l 99
5) Bromomethane	2.54	94	35160	16.627	ug/l 99
6) Chloroethane	2.68	64	35584	17.265	ug/l 97
7) Trichlorofluoromethane	2.99	101	92018	17.742	ug/l 97
8) Diethyl Ether	3.38	74	30145	17.951	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48153	17.868	ug/l 94
10) 1,1-Dichloroethene	3.70	96	45297	17.902	ug/l 84
11) Methyl Iodide	3.91	142	55735	17.264	ug/l 93
12) Methyl Acetate	4.28	43	56763	18.228	ug/l 96
13) Acrolein	3.57	56	20905	68.970	ug/l 97
14) Acrylonitrile	4.93	53	111585	87.154	ug/l 98
15) Acetone	3.78	58	35407	95.537	ug/l # 59
16) Carbon Disulfide	4.01	76	131736	17.556	ug/l 97
17) Allyl chloride	4.28	41	91517	19.433	ug/l 86
18) Methylene Chloride	4.50	84	54893	18.100	ug/l 89
19) trans-1,2-Dichloroethene	4.99	96	50494	17.668	ug/l 94
20) Diisopropyl ether	5.90	45	177247	18.723	ug/l # 93
21) 1,1-Dichloroethane	5.80	63	102858	17.947	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	57272	17.652	ug/l 90
23) tert-Butyl Alcohol	4.72	59	41113	74.861	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	151070	17.797	ug/l 96
25) Chloroform	7.33	83	104697	17.423	ug/l 96
26) Cyclohexane	7.61	56	73363	17.772	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	73565	17.451	ug/l 98
30) 2-Butanone	6.78	43	181743	87.898	ug/l 95
31) 2,2-Dichloropropane	6.78	77	89059	17.677	ug/l 98
32) 1,1,1-Trichloroethane	7.53	97	94473	17.566	ug/l 97
33) Carbon Tetrachloride	7.73	117	79423	16.856	ug/l 91
34) Benzene	8.00	78	217302	18.130	ug/l 97
35) Methacrylonitrile	7.12	41	31378	15.967	ug/l 93
36) 1,2-Dichloroethane	8.08	62	93045	17.668	ug/l 95
37) Trichloroethene	8.80	130	53476	17.028	ug/l 91
38) Methylcyclohexane	9.05	83	64040	17.992	ug/l 99
39) 1,2-Dichloropropane	9.08	63	60031	18.433	ug/l 99
40) Dibromomethane	9.17	93	39140	17.208	ug/l 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	85262	18.035	ug/l	96
42) Vinyl Acetate	5.84	43	788814	91.922	ug/l	97
43) Ethyl Acetate	6.88	43	75243	16.993	ug/l #	82
44) Isopropyl Acetate	8.13	43	126857	17.287	ug/l #	90
45) 1,4-Dioxane	9.16	88	13829	293.936	ug/l #	86
46) Methyl methacrylate	9.17	41	62954	17.243	ug/l	88
47) n-amyl Acetate	12.05	43	104214	15.973	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	88803	17.383	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	96220	18.163	ug/l #	87
50) 1,1,2-Trichloroethane	10.53	97	53997	17.778	ug/l	95
51) Ethyl methacrylate	10.40	69	74825	16.984	ug/l	79
52) 1,3-Dichloropropane	10.68	76	94704	18.203	ug/l	99
53) Dibromochloromethane	10.87	129	60336	17.260	ug/l	98
54) 1,2-Dibromoethane	10.98	107	55135	17.314	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	195537	83.175	ug/l	100
56) Bromoform	12.10	173	38763	16.003	ug/l	95
58) 4-Methyl-2-Pentanone	9.95	43	388101	88.777	ug/l	93
59) 2-Hexanone	10.72	43	275924	84.738	ug/l	93
61) Tetrachloroethene	10.60	164	51160	17.903	ug/l	92
62) Toluene	10.13	91	235026	18.167	ug/l	99
64) Chlorobenzene	11.41	112	139927	17.845	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	55798	18.195	ug/l	96
66) Ethyl Benzene	11.48	91	248705	17.506	ug/l	98
67) m/p-Xylenes	11.59	106	186830	35.364	ug/l	96
68) o-Xylene	11.92	106	87304	17.345	ug/l	93
69) Styrene	11.94	104	149828	17.445	ug/l	95
70) Isopropylbenzene	12.23	105	232215	17.362	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	75965	17.968	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	70641m	16.387	ug/l	
73) Bromobenzene	12.50	156	58567	17.277	ug/l	89
74) n-propylbenzene	12.57	91	268947	17.202	ug/l	99
75) 2-Chlorotoluene	12.65	91	167860	17.601	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	197013	17.468	ug/l	97
77) t-1,4-Dichloro-2-butene	12.28	75	23920	15.600	ug/l	83
78) 4-Chlorotoluene	12.75	91	174346	17.264	ug/l	99
79) tert-butylbenzene	12.97	119	157089	17.385	ug/l	97
80) 1,2,4-Trimethylbenzene	13.02	105	192106	16.991	ug/l	100
81) sec-Butylbenzene	13.15	105	207211	17.447	ug/l	96
82) p-Isopropyltoluene	13.26	119	181285	16.888	ug/l	95
83) 1,3-Dichlorobenzene	13.26	146	100519	16.673	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	97982	16.361	ug/l	96
85) n-Butylbenzene	13.59	91	151971	16.182	ug/l	99
86) Hexachloroethane	13.85	117	31948	17.269	ug/l	81
87) 1,2-Dichlorobenzene	13.63	146	99457	16.812	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	15834	15.674	ug/l	87
89) 1,2,4-Trichlorobenzene	14.88	180	42013	13.971	ug/l	96
90) Hexachlorobutadiene	14.98	225	27726	17.408	ug/l	99
91) Naphthalene	15.10	128	121126	13.167	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	41213	14.071	ug/l	95

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

