

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064514.D
 Acq On : 9 Nov 2020 18:22
 Operator : JC/MD
 Sample : VN1109WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1109WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/10/2020 1:10:54 PM

Quant Time: Nov 10 03:59:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 13:16:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	60287	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	323161	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	301243	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	169428	31.75	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.83%
60) 4-Bromofluorobenzene	12.38	95	153990	29.84	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.47%
63) Toluene-d8	10.06	98	426469	30.36	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	82356	20.397	ug/l 98
3) Chloromethane	2.04	50	97456	21.153	ug/l 98
4) Vinyl Chloride	2.17	62	101760	20.385	ug/l 98
5) Bromomethane	2.54	94	62554	19.147	ug/l 94
6) Chloroethane	2.68	64	65875	21.132	ug/l 99
7) Trichlorofluoromethane	2.99	101	157257	21.755	ug/l 95
8) Diethyl Ether	3.38	74	52620	20.383	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	70512	20.726	ug/l # 49
10) 1,1-Dichloroethene	3.70	96	65856	20.235	ug/l 99
11) Methyl Iodide	3.91	142	79391	19.787	ug/l 95
12) Methyl Acetate	4.28	43	76902	19.381	ug/l 96
13) Acrolein	3.57	56	55444	138.171	ug/l 96
14) Acrylonitrile	4.94	53	164349	93.127	ug/l 98
15) Acetone	3.78	58	47298	81.210	ug/l 95
16) Carbon Disulfide	4.01	76	197885	20.036	ug/l 99
17) Allyl chloride	4.28	41	123294	20.163	ug/l 94
18) Methylene Chloride	4.51	84	78724	20.371	ug/l 94
19) trans-1,2-Dichloroethene	4.99	96	71569	19.403	ug/l 99
20) Diisopropyl ether	5.91	45	265854	19.968	ug/l 93
21) 1,1-Dichloroethane	5.80	63	151222	20.654	ug/l 98
22) cis-1,2-Dichloroethene	6.79	96	83963	20.085	ug/l 96
23) tert-Butyl Alcohol	4.76	59	51207	84.741	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	225686	19.605	ug/l # 71
25) Chloroform	7.33	83	157744	20.502	ug/l 100
26) Cyclohexane	7.61	56	110273	19.508	ug/l # 95
29) 1,1-Dichloropropene	7.75	75	114377	20.395	ug/l 97
30) 2-Butanone	6.80	43	237026	85.381	ug/l # 82
31) 2,2-Dichloropropane	6.79	77	130484	19.588	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	141663	20.594	ug/l 99
33) Carbon Tetrachloride	7.73	117	127230	20.711	ug/l 96
34) Benzene	8.00	78	325742	20.060	ug/l 98
35) Methacrylonitrile	7.13	41	43444	16.728	ug/l 94
36) 1,2-Dichloroethane	8.09	62	135368	20.314	ug/l 100
37) Trichloroethene	8.80	130	82858	20.181	ug/l 98
38) Methylcyclohexane	9.05	83	97124	19.147	ug/l 99
39) 1,2-Dichloropropane	9.08	63	89616	20.539	ug/l 98
40) Dibromomethane	9.17	93	59799	20.316	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	128348	20.119	ug/l	98
42) Vinyl Acetate	5.85	43	1068079	96.104	ug/l	99
43) Ethyl Acetate	6.89	43	92285	17.084	ug/l	97
44) Isopropyl Acetate	8.13	43	176110	18.887	ug/l	99
45) 1,4-Dioxane	9.17	88	20992	321.143	ug/l	96
46) Methyl methacrylate	9.17	41	88936	19.178	ug/l	98
47) n-amyl Acetate	12.05	43	140289	17.392	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	132428	19.589	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	140652	19.801	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	80956	20.061	ug/l	97
51) Ethyl methacrylate	10.40	69	105402	18.227	ug/l	97
52) 1,3-Dichloropropane	10.68	76	137800	19.877	ug/l	99
53) Dibromochloromethane	10.87	129	90609	19.606	ug/l	97
54) 1,2-Dibromoethane	10.98	107	81302	19.697	ug/l	99
55) 2-Chloroethyl vinyl ether	9.67	63	253659	83.819	ug/l	99
56) Bromoform	12.10	173	57879	19.084	ug/l #	98
58) 4-Methyl-2-Pentanone	9.96	43	518400	93.709	ug/l	99
59) 2-Hexanone	10.72	43	365049	87.612	ug/l	100
61) Tetrachloroethene	10.60	164	78009	20.717	ug/l	98
62) Toluene	10.13	91	356598	20.157	ug/l	99
64) Chlorobenzene	11.41	112	212235	20.182	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	83947	20.420	ug/l	99
66) Ethyl Benzene	11.49	91	379453	19.874	ug/l	99
67) m/p-Xylenes	11.60	106	274128	38.900	ug/l	95
68) o-Xylene	11.92	106	130076	19.505	ug/l	93
69) Styrene	11.94	104	223918	19.606	ug/l	100
70) Isopropylbenzene	12.23	105	347174	19.889	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	109075	19.513	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	100961m	18.110	ug/l	
73) Bromobenzene	12.50	156	84303	19.524	ug/l	99
74) n-propylbenzene	12.57	91	409508	19.945	ug/l	100
75) 2-Chlorotoluene	12.65	91	258987	20.062	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	289837	19.670	ug/l	96
77) t-1,4-Dichloro-2-butene	12.27	75	34007	16.731	ug/l	87
78) 4-Chlorotoluene	12.75	91	263991	19.462	ug/l	99
79) tert-butylbenzene	12.97	119	230330	19.918	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	292676	19.710	ug/l	99
81) sec-Butylbenzene	13.15	105	295182	19.257	ug/l	100
82) p-Isopropyltoluene	13.26	119	267443	19.530	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	146867	19.334	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	141525	18.732	ug/l	99
85) n-Butylbenzene	13.59	91	221907	18.691	ug/l	100
86) Hexachloroethane	13.85	117	52861	19.371	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	146534	19.806	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	20842	17.258	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	57798	17.206	ug/l	98
90) Hexachlorobutadiene	14.98	225	33597	20.081	ug/l	96
91) Naphthalene	15.10	128	173558	15.618	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	60257	17.725	ug/l	100

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

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