

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011124\
 Data File : VN080674.D
 Acq On : 11 Jan 2024 14:05
 Operator : JC\MD
 Sample : VN0111WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0111WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2024
 Supervised By : Semsettin Yesilyurt 01/12/2024

Quant Time: Jan 12 05:23:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 12 05:20:11 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.818	128	13837	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	113858	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	130564	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	62721	28.069	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	93.567%	
60) 4-Bromofluorobenzene	12.847	95	82546	28.580	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	95.267%	
63) Toluene-d8	10.571	98	169291	29.544	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	98.467%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	43012	18.290	ug/l	98
3) Chloromethane	2.359	50	60323	18.830	ug/l	96
4) Vinyl Chloride	2.518	62	45918	18.843	ug/l	100
5) Bromomethane	2.959	94	16551	18.497	ug/l	91
6) Chloroethane	3.130	64	25071	19.030	ug/l	91
7) Trichlorofluoromethane	3.501	101	66042	18.141	ug/l	99
8) Diethyl Ether	3.959	74	33511	19.780	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.365	101	39203	18.687	ug/l	90
10) 1,1-Dichloroethene	4.336	96	39305	17.442	ug/l	81
11) Methyl Iodide	4.583	142	33193	17.270	ug/l	89
12) Methyl Acetate	5.030	43	54229m	20.340	ug/l	
13) Acrolein	4.171	56	34858	98.358	ug/l	99
14) Acrylonitrile	5.718	53	119234	99.245	ug/l	98
15) Acetone	4.424	58	28119	103.176	ug/l	82
16) Carbon Disulfide	4.712	76	128112	18.351	ug/l	# 93
17) Allyl chloride	5.018	41	80863	17.726	ug/l	84
18) Methylene Chloride	5.283	84	50010	19.098	ug/l	90
19) trans-1,2-Dichloroethene	5.783	96	46945	19.814	ug/l	94
20) Diisopropyl ether	6.665	45	185204	20.007	ug/l	# 92
21) 1,1-Dichloroethane	6.571	63	93001	18.500	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	51148	18.454	ug/l	# 81
23) tert-Butyl Alcohol	5.506	59	39733	95.892	ug/l	# 100
24) Methyl tert-Butyl Ether	5.783	73	159743	19.605	ug/l	# 86
25) Chloroform	7.959	83	85250	18.214	ug/l	98
26) Cyclohexane	8.259	56	74849	18.934	ug/l	# 90
29) 1,1-Dichloropropene	8.371	75	65830	19.020	ug/l	97
30) 2-Butanone	7.483	43	159480	104.131	ug/l	92
31) 2,2-Dichloropropane	7.489	77	78220	18.813	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	73078	19.189	ug/l	# 93
33) Carbon Tetrachloride	8.365	117	57827	19.226	ug/l	# 90
34) Benzene	8.606	78	205802	20.047	ug/l	97
35) Methacrylonitrile	7.783	41	39633	20.623	ug/l	84
36) 1,2-Dichloroethane	8.671	62	71701	18.995	ug/l	97
37) Trichloroethene	9.353	130	45229	20.201	ug/l	93
38) Methylcyclohexane	9.600	83	68025	20.175	ug/l	93
39) 1,2-Dichloropropane	9.624	63	57745	20.869	ug/l	92
40) Dibromomethane	9.706	93	32693	19.858	ug/l	87
41) Bromodichloromethane	9.888	83	71327	19.798	ug/l	97
42) Vinyl Acetate	6.600	43	729850	102.533	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	59231	18.418	ug/l	99
44) Isopropyl Acetate	8.688	43	127962	20.844	ug/l	89
45) 1,4-Dioxane	9.694	88	13968	400.060	ug/l #	82
46) Methyl methacrylate	9.682	41	55555	19.218	ug/l	79
47) n-amyl Acetate	12.494	43	112063m	20.343	ug/l	
48) t-1,3-Dichloropropene	10.835	75	80880	19.053	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	89609	19.888	ug/l #	82
50) 1,1,2-Trichloroethane	11.018	97	46154	20.413	ug/l	95
51) Ethyl methacrylate	10.877	69	80554	20.610	ug/l	78
52) 1,3-Dichloropropane	11.165	76	83951	19.723	ug/l	99
53) Dibromochloromethane	11.359	129	46069	20.362	ug/l	99
54) 1,2-Dibromoethane	11.471	107	45228	20.350	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	194994	97.063	ug/l	95
56) Bromoform	12.576	173	25862	19.350	ug/l #	95
58) 4-Methyl-2-Pentanone	10.441	43	343878	100.121	ug/l #	86
59) 2-Hexanone	11.194	43	255329	99.567	ug/l #	86
61) Tetrachloroethene	11.106	164	34013	19.570	ug/l	92
62) Toluene	10.635	91	206181	19.634	ug/l	100
64) Chlorobenzene	11.894	112	114763	19.621	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	39054	18.583	ug/l	93
66) Ethyl Benzene	11.965	91	220242	19.940	ug/l	96
67) m/p-Xylenes	12.076	106	154737	38.978	ug/l	96
68) o-Xylene	12.400	106	77212	19.502	ug/l	95
69) Styrene	12.412	104	127912	19.231	ug/l	97
70) Isopropylbenzene	12.694	105	188700	19.502	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	62628	19.829	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	57362m	19.163	ug/l	
73) Bromobenzene	12.976	156	39712	19.254	ug/l	74
74) n-propylbenzene	13.035	91	227972	19.535	ug/l	96
75) 2-Chlorotoluene	13.129	91	143882	19.606	ug/l	94
76) 1,3,5-Trimethylbenzene	13.176	105	154313	19.161	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	25733	20.970	ug/l	89
78) 4-Chlorotoluene	13.223	91	136917	18.664	ug/l	98
79) tert-butylbenzene	13.441	119	119874	19.069	ug/l	94
80) 1,2,4-Trimethylbenzene	13.482	105	150063	19.045	ug/l	99
81) sec-Butylbenzene	13.618	105	179815	19.431	ug/l	96
82) p-Isopropyltoluene	13.729	119	140739	19.942	ug/l	95
83) 1,3-Dichlorobenzene	13.735	146	68310	19.091	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	69888	19.398	ug/l	96
85) n-Butylbenzene	14.059	91	132316	18.976	ug/l	96
86) Hexachloroethane	14.335	117	24094	18.155	ug/l	78
87) 1,2-Dichlorobenzene	14.106	146	69521	19.806	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	12394	18.848	ug/l #	81
89) 1,2,4-Trichlorobenzene	15.841	180	33019	18.755	ug/l	93
90) Hexachlorobutadiene	15.506	225	13998	17.354	ug/l	97
91) Naphthalene	15.641	128	131703	19.190	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	33019	18.755	ug/l	93

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

