

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101524\
 Data File : VN084413.D
 Acq On : 15 Oct 2024 13:51
 Operator : JC\MD
 Sample : VN1015WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/16/2024
 Supervised By : Mahesh Dadoda 10/16/2024

Quant Time: Oct 16 01:23:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	35171	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	183748	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	172280	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	82707	29.209	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.367%		
60) 4-Bromofluorobenzene	12.847	95	89558	31.498	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	105.000%		
63) Toluene-d8	10.565	98	242967	30.443	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.467%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	42202	19.653	ug/l	99
3) Chloromethane	2.359	50	47277	19.347	ug/l	97
4) Vinyl Chloride	2.512	62	47019	19.621	ug/l	98
5) Bromomethane	2.959	94	28537	17.974	ug/l	100
6) Chloroethane	3.124	64	30222	19.237	ug/l	95
7) Trichlorofluoromethane	3.500	101	76402	19.573	ug/l	100
8) Diethyl Ether	3.965	74	26652	18.572	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.377	101	44664	20.351	ug/l	73
10) 1,1-Dichloroethene	4.336	96	41162	18.796	ug/l	86
11) Methyl Iodide	4.589	142	55341	19.230	ug/l	99
12) Methyl Acetate	5.018	43	58335m	21.278	ug/l	
13) Acrolein	4.177	56	54371	106.759	ug/l	99
14) Acrylonitrile	5.718	53	115843	94.051	ug/l	99
15) Acetone	4.424	58	39691	112.806	ug/l	96
16) Carbon Disulfide	4.712	76	116008	17.789	ug/l	97
17) Allyl chloride	5.030	41	61926	17.444	ug/l	97
18) Methylene Chloride	5.277	84	48977	19.853	ug/l	96
19) trans-1,2-Dichloroethene	5.783	96	44227	19.082	ug/l	91
20) Diisopropyl ether	6.671	45	147535	19.329	ug/l #	97
21) 1,1-Dichloroethane	6.565	63	86939	19.851	ug/l	95
22) cis-1,2-Dichloroethene	7.488	96	52376	19.420	ug/l	99
23) tert-Butyl Alcohol	5.518	59	41942	88.775	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	138886	18.977	ug/l #	84
25) Chloroform	7.971	83	88039	19.848	ug/l	98
26) Cyclohexane	8.259	56	66845	18.249	ug/l #	96
29) 1,1-Dichloropropene	8.371	75	60022	19.899	ug/l	97
30) 2-Butanone	7.482	43	166022	103.377	ug/l	99
31) 2,2-Dichloropropane	7.488	77	76646	21.623	ug/l #	82
32) 1,1,1-Trichloroethane	8.171	97	78941	20.475	ug/l	98
33) Carbon Tetrachloride	8.359	117	69087	20.684	ug/l	95
34) Benzene	8.606	78	194046	20.551	ug/l	96
35) Methacrylonitrile	7.777	41	34057	19.878	ug/l	96
36) 1,2-Dichloroethane	8.671	62	65510	20.815	ug/l #	89
37) Trichloroethene	9.353	130	44512	20.472	ug/l	97
38) Methylcyclohexane	9.600	83	63346	19.119	ug/l	97
39) 1,2-Dichloropropane	9.618	63	48202	20.934	ug/l	95
40) Dibromomethane	9.706	93	33935	21.088	ug/l	96
41) Bromodichloromethane	9.888	83	69757	20.419	ug/l	95
42) Vinyl Acetate	6.600	43	531488	95.156	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	63571	20.071	ug/l	97
44) Isopropyl Acetate	8.688	43	102646	19.800	ug/l	99
45) 1,4-Dioxane	9.694	88	19291	412.796	ug/l	98
46) Methyl methacrylate	9.682	41	48318	19.290	ug/l	99
47) n-amyl Acetate	12.494	43	87755	19.031	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	67804	19.207	ug/l	94
49) cis-1,3-Dichloropropene	10.312	75	74738	20.201	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	45546	21.057	ug/l	98
51) Ethyl methacrylate	10.876	69	69433	19.434	ug/l	98
52) 1,3-Dichloropropane	11.159	76	76713	20.283	ug/l	99
53) Dibromochloromethane	11.359	129	52920	20.711	ug/l	100
54) 1,2-Dibromoethane	11.470	107	44550	20.009	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	160807	99.237	ug/l	97
56) Bromoform	12.576	173	33839	19.968	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	321313	100.119	ug/l	99
59) 2-Hexanone	11.194	43	247352	103.722	ug/l	98
61) Tetrachloroethene	11.106	164	39786	20.416	ug/l	97
62) Toluene	10.629	91	209494	20.772	ug/l	97
64) Chlorobenzene	11.888	112	127848	20.370	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	45498	20.867	ug/l	99
66) Ethyl Benzene	11.965	91	218646	19.954	ug/l	100
67) m/p-Xylenes	12.070	106	172916	41.599	ug/l	98
68) o-Xylene	12.400	106	79679	19.886	ug/l	99
69) Styrene	12.412	104	137947	20.056	ug/l	100
70) Isopropylbenzene	12.694	105	205992	20.139	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	65587	20.728	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	55844m	20.607	ug/l	
73) Bromobenzene	12.976	156	50868	20.535	ug/l	99
74) n-propylbenzene	13.035	91	250955	20.589	ug/l	100
75) 2-Chlorotoluene	13.123	91	158540	20.932	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	177372	20.595	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	23102	19.950	ug/l	92
78) 4-Chlorotoluene	13.223	91	159889	20.763	ug/l	99
79) tert-butylbenzene	13.441	119	150852	20.531	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	178643	20.443	ug/l	100
81) sec-Butylbenzene	13.617	105	209646	20.725	ug/l	99
82) p-Isopropyltoluene	13.729	119	175858	20.654	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	95121	20.651	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	93985	20.548	ug/l	100
85) n-Butylbenzene	14.053	91	147959	20.064	ug/l	99
86) Hexachloroethane	14.335	117	33706	20.548	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	91228	20.485	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	13227	20.441	ug/l	97
89) 1,2,4-Trichlorobenzene	15.841	180	44646	19.282	ug/l	98
90) Hexachlorobutadiene	15.500	225	22785	21.271	ug/l	96
91) Naphthalene	15.641	128	135146	17.224	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	44646	19.282	ug/l	98

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

