

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111524\
 Data File : VN084868.D
 Acq On : 15 Nov 2024 14:26
 Operator : JC\MD
 Sample : VN1115WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBS01

Quant Time: Nov 15 22:23:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/17/2024
 Supervised By : Mahesh Dadoda 11/18/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	28727	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	152762	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	143052	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	70943	30.718	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.400%			
60) 4-Bromofluorobenzene	12.847	95	74373	30.195	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.633%			
63) Toluene-d8	10.565	98	201331	29.729	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	34534	20.669	ug/l	98
3) Chloromethane	2.359	50	41270	20.516	ug/l	97
4) Vinyl Chloride	2.512	62	40871	21.880	ug/l	92
5) Bromomethane	2.901	94	21124	22.280	ug/l	99
6) Chloroethane	3.077	64	25824	21.055	ug/l	94
7) Trichlorofluoromethane	3.471	101	62262	20.524	ug/l	99
8) Diethyl Ether	3.953	74	19593	18.106	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	35667	20.804	ug/l	97
10) 1,1-Dichloroethene	4.330	96	32031	19.133	ug/l	94
11) Methyl Iodide	4.577	142	45443	19.749	ug/l	92
12) Methyl Acetate	5.024	43	42380	16.240	ug/l	99
13) Acrolein	4.177	56	33579	104.345	ug/l	98
14) Acrylonitrile	5.712	53	77581	90.876	ug/l	100
15) Acetone	4.424	58	19745	90.014	ug/l	90
16) Carbon Disulfide	4.700	76	89763	18.222	ug/l	96
17) Allyl chloride	5.012	41	50194	17.595	ug/l	90
18) Methylene Chloride	5.265	84	36904	18.811	ug/l	97
19) trans-1,2-Dichloroethene	5.777	96	32910	18.754	ug/l	90
20) Diisopropyl ether	6.665	45	102791	18.000	ug/l	99
21) 1,1-Dichloroethane	6.565	63	64632	18.819	ug/l	98
22) cis-1,2-Dichloroethene	7.477	96	39664	18.932	ug/l	97
23) tert-Butyl Alcohol	5.536	59	25850	86.733	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	101249	18.702	ug/l	99
25) Chloroform	7.959	83	68134	19.364	ug/l	95
26) Cyclohexane	8.253	56	52497	20.012	ug/l #	96
29) 1,1-Dichloropropene	8.371	75	46466	20.195	ug/l	98
30) 2-Butanone	7.483	43	100352	94.549	ug/l #	96
31) 2,2-Dichloropropane	7.483	77	60717	21.617	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	62329	19.939	ug/l	97
33) Carbon Tetrachloride	8.359	117	54595	20.468	ug/l	99
34) Benzene	8.600	78	146411	19.251	ug/l #	95
35) Methacrylonitrile	7.777	41	22140	17.600	ug/l	92
36) 1,2-Dichloroethane	8.665	62	49956	19.752	ug/l	99
37) Trichloroethene	9.347	130	33608	19.588	ug/l	94
38) Methylcyclohexane	9.600	83	44752	18.067	ug/l	95
39) 1,2-Dichloropropane	9.618	63	35016	19.126	ug/l	100
40) Dibromomethane	9.706	93	25870	20.199	ug/l	96
41) Bromodichloromethane	9.882	83	52771	19.220	ug/l	98
42) Vinyl Acetate	6.594	43	363526	91.632	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	41308	18.522	ug/l	99
44) Isopropyl Acetate	8.688	43	73623	16.303	ug/l	96
45) 1,4-Dioxane	9.700	88	11872	393.773	ug/l	97
46) Methyl methacrylate	9.677	41	32885	18.120	ug/l	86
47) n-amyl Acetate	12.494	43	59673	17.693	ug/l	100
48) t-1,3-Dichloropropene	10.829	75	50245	18.533	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	55343	19.047	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	34982	20.363	ug/l	96
51) Ethyl methacrylate	10.871	69	47292	17.859	ug/l	97
52) 1,3-Dichloropropane	11.159	76	57505	19.284	ug/l	99
53) Dibromochloromethane	11.359	129	39398	19.597	ug/l	98
54) 1,2-Dibromoethane	11.465	107	34447	19.825	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	98981	76.240	ug/l	98
56) Bromoform	12.576	173	25674	19.052	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	212863	94.320	ug/l	98
59) 2-Hexanone	11.194	43	160631	97.200	ug/l	99
61) Tetrachloroethene	11.100	164	29978	20.024	ug/l	91
62) Toluene	10.629	91	152841	18.759	ug/l	100
64) Chlorobenzene	11.888	112	96941	19.709	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	36346	20.106	ug/l	97
66) Ethyl Benzene	11.959	91	158414	18.501	ug/l	93
67) m/p-Xylenes	12.071	106	124496	37.976	ug/l	99
68) o-Xylene	12.400	106	58772	18.585	ug/l	96
69) Styrene	12.412	104	99743	18.812	ug/l	99
70) Isopropylbenzene	12.694	105	151576	19.295	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.941	83	50929	20.002	ug/l	94
72) 1,2,3-Trichloropropane	12.994	75	39398m	18.121	ug/l	
73) Bromobenzene	12.976	156	38909	19.204	ug/l	98
74) n-propylbenzene	13.035	91	176634	19.229	ug/l	100
75) 2-Chlorotoluene	13.123	91	114798	19.190	ug/l	95
76) 1,3,5-Trimethylbenzene	13.171	105	132899	19.800	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	16769	18.806	ug/l	94
78) 4-Chlorotoluene	13.218	91	117611	19.459	ug/l	97
79) tert-butylbenzene	13.435	119	105399	18.989	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	134591	19.877	ug/l	99
81) sec-Butylbenzene	13.618	105	150165	19.633	ug/l	99
82) p-Isopropyltoluene	13.729	119	125386	19.511	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	74185	19.798	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	72940	19.700	ug/l	99
85) n-Butylbenzene	14.053	91	101044	18.720	ug/l	99
86) Hexachloroethane	14.335	117	26188	19.925	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	72712	19.692	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9692	19.727	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	33546	18.659	ug/l	95
90) Hexachlorobutadiene	15.500	225	18385	23.410	ug/l	94
91) Naphthalene	15.641	128	100764	17.550	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	33546	18.659	ug/l	95

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

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