

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
 Data File : VN084988.D
 Acq On : 21 Nov 2024 10:45
 Operator : JC\MD
 Sample : VN1121WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 14:42:54 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

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

Internal Standards						
1) Bromochloromethane	7.812	128	33147	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	173978	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	160474	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	79319	29.765	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.233%	
60) 4-Bromofluorobenzene	12.847	95	82657	29.915	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.700%	
63) Toluene-d8	10.565	98	226677	29.838	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.467%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	40472	20.993	ug/l	95
3) Chloromethane	2.360	50	43422	18.707	ug/l	99
4) Vinyl Chloride	2.512	62	41995	19.484	ug/l	97
5) Bromomethane	2.901	94	22585	20.645	ug/l	98
6) Chloroethane	3.077	64	26950	19.043	ug/l	96
7) Trichlorofluoromethane	3.471	101	69511	19.858	ug/l	98
8) Diethyl Ether	3.954	74	24001	19.222	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.359	101	40435	20.440	ug/l	99
10) 1,1-Dichloroethene	4.330	96	36783	19.041	ug/l	88
11) Methyl Iodide	4.577	142	51571	19.424	ug/l	92
12) Methyl Acetate	5.018	43	52524	17.443	ug/l	98
13) Acrolein	4.171	56	32449	87.388	ug/l	96
14) Acrylonitrile	5.718	53	96636	98.102	ug/l	99
15) Acetone	4.424	58	24787	97.931	ug/l	91
16) Carbon Disulfide	4.695	76	101214	17.807	ug/l	97
17) Allyl chloride	5.006	41	59376	18.039	ug/l	98
18) Methylene Chloride	5.259	84	41680	18.412	ug/l	91
19) trans-1,2-Dichloroethene	5.777	96	37375	18.459	ug/l	90
20) Diisopropyl ether	6.671	45	123310	18.713	ug/l #	97
21) 1,1-Dichloroethane	6.559	63	74669	18.843	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	44798	18.532	ug/l	98
23) tert-Butyl Alcohol	5.536	59	33690	97.965	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	118027m	18.894	ug/l	
25) Chloroform	7.965	83	79410	19.559	ug/l	96
26) Cyclohexane	8.253	56	56892	18.795	ug/l #	95
29) 1,1-Dichloropropene	8.365	75	50899	19.424	ug/l	100
30) 2-Butanone	7.483	43	125024	103.430	ug/l	98
31) 2,2-Dichloropropane	7.489	77	69445	21.710	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	70467	19.794	ug/l	99
33) Carbon Tetrachloride	8.353	117	62143	20.456	ug/l	99
34) Benzene	8.600	78	166530	19.226	ug/l	96
35) Methacrylonitrile	7.777	41	28689	20.025	ug/l	98
36) 1,2-Dichloroethane	8.665	62	57978	20.128	ug/l	98
37) Trichloroethene	9.347	130	37658	19.272	ug/l	89
38) Methylcyclohexane	9.594	83	54086	19.172	ug/l	98
39) 1,2-Dichloropropane	9.618	63	40518	19.433	ug/l	91
40) Dibromomethane	9.706	93	29520	20.238	ug/l	100
41) Bromodichloromethane	9.883	83	60271	19.275	ug/l #	98
42) Vinyl Acetate	6.600	43	441844	97.791	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	54269	21.366	ug/l	96
44) Isopropyl Acetate	8.689	43	106073	20.624	ug/l	94
45) 1,4-Dioxane	9.700	88	13807	402.107	ug/l	93
46) Methyl methacrylate	9.677	41	38864	18.803	ug/l	95
47) n-amyl Acetate	12.494	43	74010	19.268	ug/l	99
48) t-1,3-Dichloropropene	10.830	75	59172	19.164	ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	64315	19.435	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	38344	19.598	ug/l	93
51) Ethyl methacrylate	10.871	69	56846	18.849	ug/l	93
52) 1,3-Dichloropropane	11.159	76	65319	19.233	ug/l	100
53) Dibromochloromethane	11.353	129	44579	19.470	ug/l	100
54) 1,2-Dibromoethane	11.465	107	38394	19.402	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	140371	94.936	ug/l	99
56) Bromoform	12.577	173	30232	19.699	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	265823	104.999	ug/l	99
59) 2-Hexanone	11.194	43	197859	106.729	ug/l	100
61) Tetrachloroethene	11.100	164	32693	19.466	ug/l	98
62) Toluene	10.630	91	176525	19.313	ug/l	98
64) Chlorobenzene	11.888	112	109209	19.792	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	40311	19.879	ug/l	99
66) Ethyl Benzene	11.965	91	179414	18.678	ug/l	93
67) m/p-Xylenes	12.071	106	144660	39.336	ug/l	98
68) o-Xylene	12.400	106	66693	18.800	ug/l	95
69) Styrene	12.412	104	116657	19.613	ug/l	98
70) Isopropylbenzene	12.694	105	171977	19.515	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.935	83	58943	20.636	ug/l	96
72) 1,2,3-Trichloropropane	12.994	75	46418m	19.032	ug/l	
73) Bromobenzene	12.976	156	44125	19.414	ug/l	95
74) n-propylbenzene	13.035	91	201397	19.544	ug/l	99
75) 2-Chlorotoluene	13.124	91	132887	19.803	ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	153028	20.324	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	19537	19.531	ug/l	85
78) 4-Chlorotoluene	13.224	91	132037	19.474	ug/l	98
79) tert-butylbenzene	13.435	119	122349	19.649	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	151349	19.925	ug/l	99
81) sec-Butylbenzene	13.612	105	170275	19.846	ug/l	100
82) p-Isopropyltoluene	13.729	119	143476	19.902	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	82117	19.535	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	81782	19.690	ug/l	97
85) n-Butylbenzene	14.053	91	115603	19.092	ug/l	98
86) Hexachloroethane	14.335	117	28955	19.639	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	82364	19.884	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.718	75	11686	21.204	ug/l	99
89) 1,2,4-Trichlorobenzene	15.841	180	36633	18.164	ug/l	94
90) Hexachlorobutadiene	15.500	225	19164	21.753	ug/l	94
91) Naphthalene	15.635	128	115536	17.938	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	36633	18.164	ug/l	94

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

