

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
 Data File : VN085208.D
 Acq On : 16 Dec 2024 10:19
 Operator : JC\MD
 Sample : VN1216WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01

Quant Time: Dec 16 12:21:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2024
 Supervised By : Mahesh Dadoda 12/17/2024

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

Internal Standards						
1) Bromochloromethane	7.806	128	30825	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	169823	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	155663	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	73444	30.028	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.100%			
60) 4-Bromofluorobenzene	12.847	95	76379	29.655	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.833%			
63) Toluene-d8	10.565	98	216652	29.671	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	49525	20.082	ug/l	96
3) Chloromethane	2.359	50	42692	19.558	ug/l	97
4) Vinyl Chloride	2.518	62	42995	19.257	ug/l	97
5) Bromomethane	2.965	94	28290	19.958	ug/l	99
6) Chloroethane	3.124	64	27287	19.893	ug/l	96
7) Trichlorofluoromethane	3.500	101	72626	19.872	ug/l	94
8) Diethyl Ether	3.959	74	22934	19.812	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	38921	19.044	ug/l	92
10) 1,1-Dichloroethene	4.347	96	36972	19.695	ug/l	96
11) Methyl Iodide	4.589	142	45944	17.647	ug/l	98
12) Methyl Acetate	5.024	43	42168	19.041	ug/l	91
13) Acrolein	4.183	56	34873	108.358	ug/l	94
14) Acrylonitrile	5.718	53	85647	93.137	ug/l	97
15) Acetone	4.430	58	25905	103.954	ug/l	96
16) Carbon Disulfide	4.712	76	106931	19.057	ug/l	99
17) Allyl chloride	5.024	41	53377	19.871	ug/l	94
18) Methylene Chloride	5.277	84	39484	18.537	ug/l	93
19) trans-1,2-Dichloroethene	5.789	96	38087	19.519	ug/l	89
20) Diisopropyl ether	6.665	45	115380	19.573	ug/l	97
21) 1,1-Dichloroethane	6.559	63	71315	19.601	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	43904	19.576	ug/l	99
23) tert-Butyl Alcohol	5.506	59	31898	96.694	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	116497	19.863	ug/l #	76
25) Chloroform	7.965	83	75307	19.757	ug/l	94
26) Cyclohexane	8.253	56	57940	19.340	ug/l #	95
29) 1,1-Dichloropropene	8.365	75	50315	18.361	ug/l	99
30) 2-Butanone	7.483	43	116422	92.579	ug/l	99
31) 2,2-Dichloropropane	7.488	77	65751	18.711	ug/l #	100
32) 1,1,1-Trichloroethane	8.171	97	69008	18.605	ug/l	97
33) Carbon Tetrachloride	8.359	117	63544	18.985	ug/l	94
34) Benzene	8.606	78	158668	18.431	ug/l	99
35) Methacrylonitrile	7.777	41	26103	18.445	ug/l	87
36) 1,2-Dichloroethane	8.665	62	53550	18.273	ug/l	100
37) Trichloroethene	9.347	130	37914	18.494	ug/l	95
38) Methylcyclohexane	9.600	83	55860	18.747	ug/l	95
39) 1,2-Dichloropropane	9.618	63	38631	18.527	ug/l	98
40) Dibromomethane	9.706	93	27987	18.712	ug/l	97
41) Bromodichloromethane	9.882	83	58391	18.262	ug/l	96
42) Vinyl Acetate	6.600	43	416125	94.564	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	46077	18.415	ug/l	92
44) Isopropyl Acetate	8.682	43	79121	18.196	ug/l	100
45) 1,4-Dioxane	9.694	88	13749	379.179	ug/l	98
46) Methyl methacrylate	9.677	41	36110	18.146	ug/l	95
47) n-amyl Acetate	12.488	43	65132	17.803	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	57919	18.453	ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	63332	18.535	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	36370	18.046	ug/l	91
51) Ethyl methacrylate	10.871	69	55409	18.076	ug/l	98
52) 1,3-Dichloropropane	11.159	76	61421	18.210	ug/l	99
53) Dibromochloromethane	11.353	129	45949	18.708	ug/l	99
54) 1,2-Dibromoethane	11.465	107	37104	18.272	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	86871	61.005	ug/l	100
56) Bromoform	12.576	173	29455	17.887	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	230551	90.751	ug/l	98
59) 2-Hexanone	11.194	43	172668	89.701	ug/l	97
61) Tetrachloroethene	11.100	164	36077	19.138	ug/l	91
62) Toluene	10.624	91	171579	18.900	ug/l	100
64) Chlorobenzene	11.888	112	105060	18.744	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.953	131	38827	18.556	ug/l	98
66) Ethyl Benzene	11.959	91	180124	18.698	ug/l	96
67) m/p-Xylenes	12.070	106	140933	38.037	ug/l	98
68) o-Xylene	12.394	106	66910	19.229	ug/l	97
69) Styrene	12.406	104	110123	18.651	ug/l	99
70) Isopropylbenzene	12.694	105	172891	19.264	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	50789	18.592	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	41267m	15.293	ug/l	
73) Bromobenzene	12.976	156	41970	18.670	ug/l	99
74) n-propylbenzene	13.029	91	200993	18.628	ug/l	99
75) 2-Chlorotoluene	13.123	91	126691	18.991	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	148740	19.344	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	18403	18.768	ug/l	99
78) 4-Chlorotoluene	13.217	91	127983	18.901	ug/l	99
79) tert-butylbenzene	13.435	119	119374	18.902	ug/l	96
80) 1,2,4-Trimethylbenzene	13.476	105	147735	19.451	ug/l	99
81) sec-Butylbenzene	13.612	105	170821	19.039	ug/l	99
82) p-Isopropyltoluene	13.723	119	143795	19.331	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	76871	18.638	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	76385	19.003	ug/l	99
85) n-Butylbenzene	14.053	91	119073	19.083	ug/l	100
86) Hexachloroethane	14.329	117	27875	18.824	ug/l	93
87) 1,2-Dichlorobenzene	14.100	146	72871	18.718	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9899	18.139	ug/l	99
89) 1,2,4-Trichlorobenzene	15.835	180	37230	19.527	ug/l	96
90) Hexachlorobutadiene	15.494	225	20120	20.308	ug/l	97
91) Naphthalene	15.635	128	112126	18.930	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	37230	19.527	ug/l	96

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

