

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112724\
 Data File : VN085053.D
 Acq On : 27 Nov 2024 12:21
 Operator : JC\MD
 Sample : VN1127WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

Quant Time: Nov 28 05:30:51 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 12/02/2024
 Supervised By :Mahesh Dadoda 12/02/2024

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

Internal Standards						
1) Bromochloromethane	7.806	128	32660	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	179004	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	161319	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	79724	30.363	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.200%			
60) 4-Bromofluorobenzene	12.847	95	81541	29.356	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.867%			
63) Toluene-d8	10.559	98	226230	29.623	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.733%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.118	85	37801	19.900	ug/l	94
3) Chloromethane	2.359	50	39834	17.417	ug/l	98
4) Vinyl Chloride	2.512	62	39453	18.577	ug/l	90
5) Bromomethane	2.906	94	21690	20.122	ug/l	97
6) Chloroethane	3.089	64	25913	18.584	ug/l	98
7) Trichlorofluoromethane	3.483	101	68880	19.971	ug/l	99
8) Diethyl Ether	3.953	74	23706	19.269	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.365	101	38897	19.956	ug/l	99
10) 1,1-Dichloroethene	4.330	96	35517	18.660	ug/l	87
11) Methyl Iodide	4.583	142	51014	19.501	ug/l	94
12) Methyl Acetate	5.018	43	46804	15.776	ug/l	98
13) Acrolein	4.171	56	30374m	83.020	ug/l	
14) Acrylonitrile	5.706	53	84073	86.621	ug/l	97
15) Acetone	4.430	58	23883	95.767	ug/l	94
16) Carbon Disulfide	4.706	76	96910	17.304	ug/l	97
17) Allyl chloride	5.018	41	52130	16.073	ug/l	96
18) Methylene Chloride	5.265	84	40001	17.934	ug/l	91
19) trans-1,2-Dichloroethene	5.777	96	37230	18.661	ug/l	87
20) Diisopropyl ether	6.665	45	121631	18.734	ug/l	98
21) 1,1-Dichloroethane	6.559	63	73682	18.871	ug/l	99
22) cis-1,2-Dichloroethene	7.477	96	44319	18.607	ug/l	97
23) tert-Butyl Alcohol	5.524	59	26521	78.269	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	114196	18.553	ug/l	99
25) Chloroform	7.959	83	76814	19.202	ug/l	91
26) Cyclohexane	8.253	56	55755	18.694	ug/l #	97
29) 1,1-Dichloropropene	8.365	75	49993	18.542	ug/l	99
30) 2-Butanone	7.477	43	110174	88.586	ug/l	99
31) 2,2-Dichloropropane	7.477	77	68998	20.964	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	71535	19.529	ug/l	99
33) Carbon Tetrachloride	8.359	117	60580	19.382	ug/l	98
34) Benzene	8.600	78	159354	17.881	ug/l	96
35) Methacrylonitrile	7.771	41	25134	17.051	ug/l	95
36) 1,2-Dichloroethane	8.665	62	56234	18.975	ug/l	98
37) Trichloroethene	9.347	130	37673	18.739	ug/l	92
38) Methylcyclohexane	9.594	83	54082	18.633	ug/l	98
39) 1,2-Dichloropropane	9.612	63	39483	18.405	ug/l	90
40) Dibromomethane	9.706	93	28509	18.996	ug/l	97
41) Bromodichloromethane	9.882	83	58558	18.201	ug/l	97
42) Vinyl Acetate	6.594	43	418974	90.126	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	42071	16.099	ug/l	97
44) Isopropyl Acetate	8.683	43	92466m	17.474	ug/l	
45) 1,4-Dioxane	9.694	88	11579	327.752	ug/l	91
46) Methyl methacrylate	9.677	41	35933	16.897	ug/l	94
47) n-amyl Acetate	12.494	43	63833	16.152	ug/l	98
48) t-1,3-Dichloropropene	10.829	75	57326	18.045	ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	63060	18.521	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	37772	18.764	ug/l	96
51) Ethyl methacrylate	10.871	69	54005	17.404	ug/l	97
52) 1,3-Dichloropropane	11.159	76	63448	18.158	ug/l	98
53) Dibromochloromethane	11.359	129	44890	19.055	ug/l	96
54) 1,2-Dibromoethane	11.465	107	37251	18.296	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	144980	95.300	ug/l	98
56) Bromoform	12.576	173	28254	17.893	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	219965	86.430	ug/l	99
59) 2-Hexanone	11.194	43	165732	88.931	ug/l	99
61) Tetrachloroethene	11.100	164	32769	19.409	ug/l	96
62) Toluene	10.629	91	169805	18.481	ug/l	97
64) Chlorobenzene	11.888	112	104694	18.875	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	38593	18.932	ug/l	98
66) Ethyl Benzene	11.959	91	175100	18.134	ug/l	97
67) m/p-Xylenes	12.071	106	136742	36.989	ug/l	100
68) o-Xylene	12.394	106	63815	17.895	ug/l	94
69) Styrene	12.406	104	110233	18.436	ug/l	98
70) Isopropylbenzene	12.694	105	166861	18.835	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	51127	17.806	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	47640m	19.430	ug/l	
73) Bromobenzene	12.976	156	43648	19.103	ug/l	97
74) n-propylbenzene	13.035	91	193531	18.682	ug/l	98
75) 2-Chlorotoluene	13.123	91	127203	18.856	ug/l	97
76) 1,3,5-Trimethylbenzene	13.170	105	145182	19.181	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	17983	17.883	ug/l	85
78) 4-Chlorotoluene	13.218	91	127084	18.645	ug/l	99
79) tert-butylbenzene	13.435	119	118374	18.911	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	146596	19.198	ug/l	99
81) sec-Butylbenzene	13.612	105	167054	19.368	ug/l	98
82) p-Isopropyltoluene	13.723	119	138369	19.093	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	80897	19.144	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	77741	18.619	ug/l	97
85) n-Butylbenzene	14.053	91	117054	19.231	ug/l	98
86) Hexachloroethane	14.329	117	27595	18.618	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	76484	18.368	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10318	18.623	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	38539	19.009	ug/l	97
90) Hexachlorobutadiene	15.500	225	19739	22.288	ug/l	92
91) Naphthalene	15.641	128	110829	17.117	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	38539	19.009	ug/l	97

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

