

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101424\
 Data File : VN084408.D
 Acq On : 14 Oct 2024 12:22
 Operator : JC\MD
 Sample : P4368-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 15 01:33:52 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

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

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

Internal Standards						
1) Bromochloromethane	7.812	128	32736	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	168823	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	157182	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	77694	29.479	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.267%
60) 4-Bromofluorobenzene	12.847	95	74922	28.881	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.267%
63) Toluene-d8	10.565	98	221810	30.461	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.533%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	9752	4.879	ug/l	99
3) Chloromethane	2.360	50	10974	4.825	ug/l	99
4) Vinyl Chloride	2.512	62	11070	4.963	ug/l	91
5) Bromomethane	2.959	94	7465	5.052	ug/l #	80
6) Chloroethane	3.124	64	7544	5.159	ug/l	98
7) Trichlorofluoromethane	3.495	101	17753	4.886	ug/l	97
8) Diethyl Ether	3.959	74	5485	4.106	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	10775m	5.275	ug/l	
10) 1,1-Dichloroethene	4.342	96	9259	4.542	ug/l	90
11) Methyl Iodide	4.589	142	11805	4.407	ug/l	98
12) Methyl Acetate	5.030	43	10910	4.275	ug/l	98
13) Acrolein	4.183	56	8948m	18.877	ug/l	
14) Acrylonitrile	5.724	53	24155	21.070	ug/l	98
15) Acetone	4.436	58	7617	23.259	ug/l	98
16) Carbon Disulfide	4.706	76	27874	4.592	ug/l #	90
17) Allyl chloride	5.024	41	14126	4.275	ug/l	92
18) Methylene Chloride	5.271	84	10776	4.693	ug/l	86
19) trans-1,2-Dichloroethene	5.783	96	10028	4.649	ug/l	84
20) Diisopropyl ether	6.671	45	30322	4.268	ug/l	99
21) 1,1-Dichloroethane	6.565	63	20165	4.947	ug/l #	90
22) cis-1,2-Dichloroethene	7.489	96	11772	4.690	ug/l	94
23) tert-Butyl Alcohol	5.506	59	8397m	19.095	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	29257m	4.295	ug/l	
25) Chloroform	7.965	83	20329	4.924	ug/l	96
26) Cyclohexane	8.259	56	13693	4.016	ug/l #	91
29) 1,1-Dichloropropene	8.371	75	12649	4.564	ug/l	98
30) 2-Butanone	7.489	43	33988	23.034	ug/l #	96
31) 2,2-Dichloropropane	7.489	77	17009	5.223	ug/l #	81
32) 1,1,1-Trichloroethane	8.165	97	18634	5.260	ug/l	99
33) Carbon Tetrachloride	8.359	117	15123	4.928	ug/l	92
34) Benzene	8.600	78	43375	5.000	ug/l #	88
35) Methacrylonitrile	7.783	41	7209	4.580	ug/l	92
36) 1,2-Dichloroethane	8.677	62	15427m	5.335	ug/l	
37) Trichloroethene	9.353	130	10286	5.149	ug/l	93
38) Methylcyclohexane	9.600	83	12921	4.245	ug/l	95
39) 1,2-Dichloropropane	9.618	63	10602	5.012	ug/l	100
40) Dibromomethane	9.706	93	7582	5.128	ug/l	97
41) Bromodichloromethane	9.883	83	15565	4.959	ug/l #	99
42) Vinyl Acetate	6.606	43	103223	20.115	ug/l	100

10/15/2024
 Supervised By :Mahesh
 Radoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	13385	4.600	ug/l	100
44) Isopropyl Acetate	8.689	43	21426	4.498	ug/l	98
45) 1,4-Dioxane	9.694	88	3704	86.267	ug/l	95
46) Methyl methacrylate	9.677	41	8675	3.770	ug/l	88
47) n-amyl Acetate	12.494	43	16285	3.844	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	14558	4.488	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	15653	4.605	ug/l #	94
50) 1,1,2-Trichloroethane	11.012	97	10293	5.179	ug/l	96
51) Ethyl methacrylate	10.871	69	12525	3.816	ug/l	88
52) 1,3-Dichloropropane	11.165	76	16833	4.844	ug/l	98
53) Dibromochloromethane	11.359	129	11757	5.008	ug/l	97
54) 1,2-Dibromoethane	11.471	107	10232	5.002	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	29271	19.661	ug/l	98
56) Bromoform	12.577	173	7396	4.750	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	60018	20.498	ug/l	98
59) 2-Hexanone	11.194	43	44695	20.542	ug/l	97
61) Tetrachloroethene	11.106	164	8642	4.861	ug/l	94
62) Toluene	10.630	91	45878	4.986	ug/l	98
64) Chlorobenzene	11.888	112	28799	5.029	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	9778	4.915	ug/l	98
66) Ethyl Benzene	11.965	91	42566	4.258	ug/l	100
67) m/p-Xylenes	12.071	106	33310	8.783	ug/l	96
68) o-Xylene	12.394	106	15662	4.284	ug/l	97
69) Styrene	12.412	104	25167	4.011	ug/l	99
70) Isopropylbenzene	12.694	105	40683	4.359	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	14170	4.908	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	14270m	5.772	ug/l	
73) Bromobenzene	12.982	156	10527	4.658	ug/l	96
74) n-propylbenzene	13.035	91	46666	4.196	ug/l	97
75) 2-Chlorotoluene	13.124	91	30943	4.478	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	33148	4.219	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	4154	3.932	ug/l	97
78) 4-Chlorotoluene	13.218	91	31832	4.531	ug/l	99
79) tert-butylbenzene	13.435	119	28778	4.293	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	32042	4.019	ug/l	98
81) sec-Butylbenzene	13.618	105	38788	4.203	ug/l	100
82) p-Isopropyltoluene	13.729	119	30421	3.916	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	19482	4.636	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	18666	4.473	ug/l	96
85) n-Butylbenzene	14.053	91	25970	3.860	ug/l	99
86) Hexachloroethane	14.335	117	7603	5.080	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	18226	4.486	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.718	75	2509	4.250	ug/l	99
89) 1,2,4-Trichlorobenzene	15.835	180	8238	3.900	ug/l	97
90) Hexachlorobutadiene	15.500	225	4501	4.605	ug/l	98
91) Naphthalene	15.641	128	20736	2.897	ug/l #	94
92) 1,2,3-Trichlorobenzene	15.835	180	8238	3.900	ug/l	97

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

