

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
 Data File : VN083708.D
 Acq On : 09 Sep 2024 10:03
 Operator : JC\MD
 Sample : VN0909WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/10/2024
 Supervised By : Mahesh Dadoda 09/10/2024

Quant Time: Sep 10 01:16:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	31032	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	176340	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	157868	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84062	29.635	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.800%		
60) 4-Bromofluorobenzene	12.847	95	81142	29.823	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.400%		
63) Toluene-d8	10.565	98	219979	30.093	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.300%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	35706	17.182	ug/l	96
3) Chloromethane	2.359	50	37868	17.538	ug/l	94
4) Vinyl Chloride	2.512	62	38226	17.221	ug/l	91
5) Bromomethane	2.901	94	21688	17.488	ug/l	93
6) Chloroethane	3.071	64	27267	18.344	ug/l	92
7) Trichlorofluoromethane	3.465	101	64048	17.211	ug/l	98
8) Diethyl Ether	3.954	74	22619	17.888	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.353	101	35220m	17.619	ug/l	
10) 1,1-Dichloroethene	4.324	96	32968	17.093	ug/l #	74
11) Methyl Iodide	4.571	142	44708	17.066	ug/l	92
12) Methyl Acetate	5.018	43	43491	18.698	ug/l #	77
13) Acrolein	4.177	56	36591	107.792	ug/l	98
14) Acrylonitrile	5.712	53	84766	90.052	ug/l	95
15) Acetone	4.430	58	28466	91.165	ug/l	75
16) Carbon Disulfide	4.701	76	90091	16.528	ug/l	96
17) Allyl chloride	5.012	41	57665	17.050	ug/l	87
18) Methylene Chloride	5.265	84	36879	17.477	ug/l	92
19) trans-1,2-Dichloroethene	5.777	96	34686	17.352	ug/l	97
20) Diisopropyl ether	6.671	45	118820	17.396	ug/l	96
21) 1,1-Dichloroethane	6.565	63	68303	17.515	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	41012	16.857	ug/l	92
23) tert-Butyl Alcohol	5.536	59	35151	101.764	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	121305	17.699	ug/l #	87
25) Chloroform	7.965	83	72159	17.460	ug/l	99
26) Cyclohexane	8.253	56	57616	16.775	ug/l #	89
29) 1,1-Dichloropropene	8.371	75	48120	17.204	ug/l	98
30) 2-Butanone	7.483	43	125228	94.980	ug/l	96
31) 2,2-Dichloropropane	7.489	77	64997	18.227	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	66397	17.775	ug/l	98
33) Carbon Tetrachloride	8.359	117	58022	17.937	ug/l	99
34) Benzene	8.600	78	151159	18.012	ug/l #	95
35) Methacrylonitrile	7.777	41	29187	19.692	ug/l	91
36) 1,2-Dichloroethane	8.671	62	57105	18.100	ug/l	95
37) Trichloroethene	9.353	130	35056	17.789	ug/l	94
38) Methylcyclohexane	9.594	83	59286	17.705	ug/l	97
39) 1,2-Dichloropropane	9.618	63	36311	17.978	ug/l	97
40) Dibromomethane	9.706	93	26610	18.018	ug/l	94
41) Bromodichloromethane	9.888	83	55660	17.723	ug/l	98
42) Vinyl Acetate	6.600	43	450676	83.137	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	48775	18.379	ug/l	97
44) Isopropyl Acetate	8.683	43	85971	18.730	ug/l	90
45) 1,4-Dioxane	9.694	88	15043	420.192	ug/l	98
46) Methyl methacrylate	9.683	41	42453	19.109	ug/l	80
47) n-amyl Acetate	12.494	43	77395	19.035	ug/l #	89
48) t-1,3-Dichloropropene	10.835	75	57570	17.428	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	61875	18.011	ug/l #	87
50) 1,1,2-Trichloroethane	11.012	97	35316	18.793	ug/l	96
51) Ethyl methacrylate	10.871	69	58165	18.117	ug/l	70
52) 1,3-Dichloropropane	11.159	76	61067	17.994	ug/l	99
53) Dibromochloromethane	11.359	129	40918	18.153	ug/l	96
54) 1,2-Dibromoethane	11.471	107	35213	18.113	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	109480	85.564	ug/l	99
56) Bromoform	12.576	173	25863	18.061	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	248553	99.295	ug/l #	88
59) 2-Hexanone	11.194	43	189895	100.397	ug/l	88
61) Tetrachloroethene	11.100	164	28874	17.282	ug/l	95
62) Toluene	10.630	91	160730	17.713	ug/l	100
64) Chlorobenzene	11.888	112	98169	17.474	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	35072	17.921	ug/l	95
66) Ethyl Benzene	11.965	91	177087	17.161	ug/l	96
67) m/p-Xylenes	12.071	106	131117	34.537	ug/l	96
68) o-Xylene	12.394	106	64783	17.632	ug/l	95
69) Styrene	12.412	104	106951	17.227	ug/l	98
70) Isopropylbenzene	12.694	105	171180	17.654	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	50581	19.099	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	44968m	19.367	ug/l	
73) Bromobenzene	12.976	156	39441	17.709	ug/l	94
74) n-propylbenzene	13.035	91	194312	17.119	ug/l	100
75) 2-Chlorotoluene	13.124	91	125200	17.673	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	143082	17.665	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	16943	17.263	ug/l	87
78) 4-Chlorotoluene	13.223	91	120926	16.832	ug/l	99
79) tert-butylbenzene	13.435	119	126257	17.826	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	143312	17.509	ug/l	99
81) sec-Butylbenzene	13.618	105	164949	17.048	ug/l	100
82) p-Isopropyltoluene	13.729	119	138870	17.059	ug/l	97
83) 1,3-Dichlorobenzene	13.729	146	72292	16.865	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	71460	16.675	ug/l	99
85) n-Butylbenzene	14.053	91	117524	16.360	ug/l	98
86) Hexachloroethane	14.335	117	26943	17.465	ug/l	88
87) 1,2-Dichlorobenzene	14.106	146	71564	17.203	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.718	75	10930	18.780	ug/l	93
89) 1,2,4-Trichlorobenzene	15.841	180	36209	15.888	ug/l	99
90) Hexachlorobutadiene	15.500	225	16072	17.038	ug/l	99
91) Naphthalene	15.641	128	122921	16.498	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	36209	15.888	ug/l	99

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

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