

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050724\
 Data File : VN082016.D
 Acq On : 07 May 2024 10:06
 Operator : JC\MD
 Sample : VN0507WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2024
 Supervised By : Mahesh Dadoda 05/08/2024

Quant Time: May 08 07:56:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	31873	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	200775	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	175268	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	86992	32.599	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.667%			
60) 4-Bromofluorobenzene	12.853	95	83506	28.629	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.433%			
63) Toluene-d8	10.565	98	256057	30.763	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.533%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	35997	19.896	ug/l	96
3) Chloromethane	2.359	50	42543	20.276	ug/l	97
4) Vinyl Chloride	2.518	62	42378	21.380	ug/l	92
5) Bromomethane	2.959	94	19857	19.199	ug/l	88
6) Chloroethane	3.124	64	25058	22.325	ug/l	96
7) Trichlorofluoromethane	3.500	101	55311	19.070	ug/l	94
8) Diethyl Ether	3.959	74	27402	19.516	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.383	101	36236	18.224	ug/l	72
10) 1,1-Dichloroethene	4.342	96	36814	18.925	ug/l	87
11) Methyl Iodide	4.589	142	30713	17.276	ug/l	92
12) Methyl Acetate	5.018	43	53157	21.823	ug/l #	73
13) Acrolein	4.183	56	40754	78.724	ug/l	99
14) Acrylonitrile	5.724	53	116962	105.212	ug/l	98
15) Acetone	4.424	58	29953	120.240	ug/l	82
16) Carbon Disulfide	4.712	76	97986	18.181	ug/l	97
17) Allyl chloride	5.024	41	64763	18.963	ug/l	89
18) Methylene Chloride	5.265	84	43436m	19.625	ug/l	
19) trans-1,2-Dichloroethene	5.783	96	38249	18.890	ug/l	88
20) Diisopropyl ether	6.671	45	149076	19.728	ug/l	98
21) 1,1-Dichloroethane	6.571	63	84188	21.041	ug/l	95
22) cis-1,2-Dichloroethene	7.488	96	49927	20.234	ug/l	92
23) tert-Butyl Alcohol	5.512	59	43370	94.713	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	142811	20.363	ug/l #	88
25) Chloroform	7.965	83	78917	20.502	ug/l	96
26) Cyclohexane	8.259	56	68122	19.689	ug/l #	91
29) 1,1-Dichloropropene	8.371	75	54906	18.369	ug/l	99
30) 2-Butanone	7.482	43	152051	98.685	ug/l #	81
31) 2,2-Dichloropropane	7.488	77	69784	22.782	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	62187	18.090	ug/l #	93
33) Carbon Tetrachloride	8.359	117	49359	17.692	ug/l	97
34) Benzene	8.606	78	187145	19.626	ug/l	95
35) Methacrylonitrile	7.788	41	33984	17.434	ug/l	81
36) 1,2-Dichloroethane	8.671	62	60951	19.041	ug/l	96
37) Trichloroethene	9.353	130	37711	16.146	ug/l	99
38) Methylcyclohexane	9.600	83	64438	17.846	ug/l	93
39) 1,2-Dichloropropane	9.624	63	47494	19.411	ug/l	98
40) Dibromomethane	9.712	93	30614	19.476	ug/l	84
41) Bromodichloromethane	9.888	83	62479	18.597	ug/l	100
42) Vinyl Acetate	6.600	43	623287	95.042	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	60072	17.882	ug/l #	91
44) Isopropyl Acetate	8.688	43	109712	18.396	ug/l	91
45) 1,4-Dioxane	9.694	88	16360	342.049	ug/l #	89
46) Methyl methacrylate	9.682	41	49918	18.320	ug/l	83
47) n-amyl Acetate	12.494	43	100376m	18.660	ug/l	
48) t-1,3-Dichloropropene	10.835	75	66531	18.261	ug/l	93
49) cis-1,3-Dichloropropene	10.312	75	74613	19.370	ug/l #	80
50) 1,1,2-Trichloroethane	11.018	97	39961	18.739	ug/l	90
51) Ethyl methacrylate	10.876	69	72484	18.009	ug/l	82
52) 1,3-Dichloropropane	11.165	76	75032	19.151	ug/l	98
53) Dibromochloromethane	11.359	129	42087	18.139	ug/l	97
54) 1,2-Dibromoethane	11.470	107	40341	18.968	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	180443	89.655	ug/l	96
56) Bromoform	12.576	173	23398	16.569	ug/l	97
58) 4-Methyl-2-Pentanone	10.447	43	327319	96.180	ug/l #	88
59) 2-Hexanone	11.194	43	255389	101.214	ug/l #	88
61) Tetrachloroethene	11.106	164	31020	15.950	ug/l	98
62) Toluene	10.629	91	188493	19.114	ug/l	98
64) Chlorobenzene	11.894	112	116055	19.241	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.965	131	36236	18.355	ug/l	93
66) Ethyl Benzene	11.965	91	205168	18.980	ug/l	98
67) m/p-Xylenes	12.070	106	151148	37.713	ug/l	98
68) o-Xylene	12.400	106	74974	18.908	ug/l	99
69) Styrene	12.412	104	120829	18.152	ug/l	96
70) Isopropylbenzene	12.694	105	184854	18.356	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	56935	19.646	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	51610m	19.049	ug/l	
73) Bromobenzene	12.982	156	35750	16.584	ug/l	69
74) n-propylbenzene	13.035	91	228616	19.242	ug/l	98
75) 2-Chlorotoluene	13.129	91	138103	18.789	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	152009	18.648	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	22646	18.779	ug/l	87
78) 4-Chlorotoluene	13.223	91	134054	18.617	ug/l	99
79) tert-butylbenzene	13.441	119	128564	18.318	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	149558	18.266	ug/l	98
81) sec-Butylbenzene	13.617	105	193142	19.632	ug/l	98
82) p-Isopropyltoluene	13.729	119	147770	18.995	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	72302	18.626	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	70615	18.099	ug/l	98
85) n-Butylbenzene	14.059	91	138525	19.494	ug/l	96
86) Hexachloroethane	14.335	117	28767	18.546	ug/l	72
87) 1,2-Dichlorobenzene	14.106	146	70096	18.131	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10017	15.403	ug/l	93
89) 1,2,4-Trichlorobenzene	15.841	180	36359	17.080	ug/l	100
90) Hexachlorobutadiene	15.500	225	13558	17.197	ug/l	67
91) Naphthalene	15.641	128	138642	17.132	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	36359	17.080	ug/l	100

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

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