

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082088.D
 Acq On : 13 May 2024 11:37
 Operator : JC\MD
 Sample : VN0513WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Quant Time: May 14 03:29:40 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

Manual Integrations APPROVED

Reviewed By : John Carlone 05/14/2024
 Supervised By : Mahesh Dadoda 05/14/2024

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

Internal Standards						
1) Bromochloromethane	7.806	128	26585m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	163309	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	142004	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	70232	31.553	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.167%			
60) 4-Bromofluorobenzene	12.847	95	68009	28.778	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.933%			
63) Toluene-d8	10.571	98	208601	30.932	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	31805	21.076	ug/l	100
3) Chloromethane	2.359	50	38042	21.737	ug/l	96
4) Vinyl Chloride	2.512	62	39359	23.807	ug/l	93
5) Bromomethane	2.965	94	19230	22.291	ug/l	96
6) Chloroethane	3.124	64	23323	24.913	ug/l	95
7) Trichlorofluoromethane	3.500	101	51719	21.379	ug/l	91
8) Diethyl Ether	3.959	74	25540m	21.808	ug/l	
9) 1,1,2-Trichlorotrifluoro...	4.377	101	36848	22.218	ug/l	55
10) 1,1-Dichloroethene	4.347	96	34867	21.489	ug/l	85
11) Methyl Iodide	4.589	142	31340	21.135	ug/l	87
12) Methyl Acetate	5.024	43	58638	28.862	ug/l #	72
13) Acrolein	4.177	56	59682	138.219	ug/l	97
14) Acrylonitrile	5.724	53	114352	123.324	ug/l	92
15) Acetone	4.424	58	27347	131.615	ug/l	90
16) Carbon Disulfide	4.712	76	79219	17.623	ug/l #	91
17) Allyl chloride	5.024	41	67214	23.595	ug/l	93
18) Methylene Chloride	5.277	84	41513	22.486	ug/l #	89
19) trans-1,2-Dichloroethene	5.783	96	36220	21.446	ug/l	93
20) Diisopropyl ether	6.671	45	151098	23.973	ug/l #	94
21) 1,1-Dichloroethane	6.571	63	79194	23.730	ug/l	96
22) cis-1,2-Dichloroethene	7.482	96	47192	22.930	ug/l	91
23) tert-Butyl Alcohol	5.524	59	43210m	113.133	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	125742	21.496	ug/l #	85
25) Chloroform	7.965	83	75113	23.395	ug/l	99
26) Cyclohexane	8.259	56	64265	22.268	ug/l #	88
29) 1,1-Dichloropropene	8.371	75	49433	20.332	ug/l	95
30) 2-Butanone	7.482	43	153656	122.606	ug/l	93
31) 2,2-Dichloropropane	7.488	77	66051	26.510	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	58524	20.930	ug/l #	90
33) Carbon Tetrachloride	8.365	117	44872	19.774	ug/l	98
34) Benzene	8.600	78	170275	21.953	ug/l #	92
35) Methacrylonitrile	7.777	41	36202	22.833	ug/l	91
36) 1,2-Dichloroethane	8.671	62	58446	22.447	ug/l	100
37) Trichloroethene	9.353	130	36076	18.990	ug/l	99
38) Methylcyclohexane	9.606	83	60176	20.489	ug/l	97
39) 1,2-Dichloropropane	9.624	63	47400	23.817	ug/l	95
40) Dibromomethane	9.712	93	27841	21.776	ug/l	86
41) Bromodichloromethane	9.888	83	58406	21.373	ug/l #	95
42) Vinyl Acetate	6.606	43	580448	108.815	ug/l	95

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43) Ethyl Acetate	7.559	43	60069	21.983	ug/l	97
44) Isopropyl Acetate	8.688	43	126875	26.154	ug/l #	84
45) 1,4-Dioxane	9.700	88	17400	447.253	ug/l #	34
46) Methyl methacrylate	9.682	41	49911	22.520	ug/l	89
47) n-amyl Acetate	12.494	43	97091	22.190	ug/l #	88
48) t-1,3-Dichloropropene	10.835	75	64066	21.619	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	69140	22.067	ug/l #	87
50) 1,1,2-Trichloroethane	11.018	97	40400	23.291	ug/l	95
51) Ethyl methacrylate	10.876	69	69388	21.195	ug/l	70
52) 1,3-Dichloropropane	11.165	76	70496	22.121	ug/l	98
53) Dibromochloromethane	11.359	129	39424	20.890	ug/l	97
54) 1,2-Dibromoethane	11.470	107	34968	20.214	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	151331	92.441	ug/l #	93
56) Bromoform	12.582	173	20436	17.792	ug/l #	95
58) 4-Methyl-2-Pentanone	10.447	43	335058	121.517	ug/l #	85
59) 2-Hexanone	11.194	43	253590	124.043	ug/l #	86
61) Tetrachloroethene	11.106	164	30143	19.130	ug/l	87
62) Toluene	10.635	91	176154	22.047	ug/l	100
64) Chlorobenzene	11.894	112	105299	21.547	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.965	131	33575	20.991	ug/l	96
66) Ethyl Benzene	11.965	91	191075	21.817	ug/l	95
67) m/p-Xylenes	12.070	106	137853	42.453	ug/l	97
68) o-Xylene	12.400	106	67097	20.885	ug/l	97
69) Styrene	12.412	104	116096	21.527	ug/l	98
70) Isopropylbenzene	12.700	105	177874	21.800	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	53269	22.687	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	51268m	23.355	ug/l	
73) Bromobenzene	12.976	156	35355	20.242	ug/l	72
74) n-propylbenzene	13.035	91	215816	22.419	ug/l	98
75) 2-Chlorotoluene	13.129	91	129049	21.670	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	144516	21.882	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	20936	21.428	ug/l	88
78) 4-Chlorotoluene	13.223	91	127275	21.815	ug/l	98
79) tert-butylbenzene	13.441	119	117726	20.703	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	142773	21.522	ug/l	99
81) sec-Butylbenzene	13.617	105	176736	22.173	ug/l	97
82) p-Isopropyltoluene	13.729	119	141521	22.453	ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	68201	21.686	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	64657	20.454	ug/l	94
85) n-Butylbenzene	14.059	91	135963	23.615	ug/l	96
86) Hexachloroethane	14.335	117	25390	20.203	ug/l	78
87) 1,2-Dichlorobenzene	14.106	146	66898	21.357	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10488	19.905	ug/l #	84
89) 1,2,4-Trichlorobenzene	15.841	180	32281	18.716	ug/l	96
90) Hexachlorobutadiene	15.506	225	12219	19.129	ug/l	93
91) Naphthalene	15.641	128	127250	19.408	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	32281	18.716	ug/l	96

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

