

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102221\
 Data File : VN069127.D
 Acq On : 22 Oct 2021 11:12
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John
 Carlone

10/25/2021 10/25/2021 11:58:24 AM
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 22 12:49:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 22 12:48:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	58706	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	360775	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	321562	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	141598	31.605	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.367%	
60) 4-Bromofluorobenzene	12.734	95	152909	29.646	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 98.833%	
63) Toluene-d8	10.443	98	442210	30.427	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.433%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	15196	5.305	ug/l	92
3) Chloromethane	2.303	50	16984	4.905	ug/l	99
4) Vinyl Chloride	2.446	62	19463	3.170	ug/l	100
5) Bromomethane	2.856	94	14720	2.600	ug/l	91
6) Chloroethane	3.020	64	13161	2.695	ug/l	97
7) Trichlorofluoromethane	3.376	101	26637	4.776	ug/l	94
8) Diethyl Ether	3.829	74	9766	5.015	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.213	101	14919	4.678	ug/l #	69
10) 1,1-Dichloroethene	4.186	96	14913	5.006	ug/l	96
11) Methyl Iodide	4.430	142	18464	4.980	ug/l	93
12) Methyl Acetate	4.859	43	30086	5.726	ug/l	96
13) Acrolein	4.047	56	11848	48.902	ug/l	98
14) Acrylonitrile	5.559	53	37057	22.466	ug/l	92
15) Acetone	4.288	58	11232	23.471	ug/l	85
16) Carbon Disulfide	4.535	76	37166	4.652	ug/l	98
17) Allyl chloride	4.843	41	24695	5.135	ug/l	93
18) Methylene Chloride	5.101	84	18182	4.917	ug/l	99
19) trans-1,2-Dichloroethene	5.602	96	15658m	4.532	ug/l	
20) Diisopropyl ether	6.495	45	52087	4.740	ug/l	95
21) 1,1-Dichloroethane	6.393	63	29592	4.666	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	19068	4.517	ug/l	98
23) tert-Butyl Alcohol	5.364	59	15669m	25.177	ug/l	
24) Methyl tert-Butyl Ether	5.613	73	54562m	4.687	ug/l	
25) Chloroform	7.818	83	30911	4.211	ug/l	97
26) Cyclohexane	8.096	56	27852	4.970	ug/l #	98
29) 1,1-Dichloropropene	8.225	75	23521	4.054	ug/l	99
30) 2-Butanone	7.335	43	52431	19.771	ug/l #	98
31) 2,2-Dichloropropane	7.327	77	28174	4.191	ug/l	100
32) 1,1,1-Trichloroethane	8.016	97	28654	3.891	ug/l #	75
33) Carbon Tetrachloride	8.206	117	23297	3.581	ug/l	98
34) Benzene	8.461	78	71365	4.146	ug/l #	82
35) Methacrylonitrile	7.638	41	10945	4.217	ug/l	92
36) 1,2-Dichloroethane	8.531	62	25484	4.008	ug/l #	87
37) Trichloroethene	9.218	130	18186	4.042	ug/l	96
38) Methylcyclohexane	9.462	83	31052	4.302	ug/l	99
39) 1,2-Dichloropropane	9.494	63	17726	4.130	ug/l	93
40) Dibromomethane	9.577	93	12483	3.774	ug/l	97
41) Bromodichloromethane	9.765	83	23270	3.579	ug/l	95
42) Vinyl Acetate	6.436	43	191630	19.787	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.413	43	18836	3.533	ug/l #	85
44) Isopropyl Acetate	8.560	43	42344	4.432	ug/l	98
45) 1,4-Dioxane	9.566	88	6172	80.892	ug/l	94
46) Methyl methacrylate	9.558	41	18184	4.317	ug/l	92
47) n-amyl Acetate	12.390	43	30464	3.782	ug/l	99
48) t-1,3-Dichloropropene	10.722	75	25898	3.616	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	28183	3.848	ug/l	93
50) 1,1,2-Trichloroethane	10.902	97	18076	3.925	ug/l	99
51) Ethyl methacrylate	10.762	69	27243	3.830	ug/l	92
52) 1,3-Dichloropropane	11.044	76	29885	3.969	ug/l	100
53) Dibromochloromethane	11.240	129	16997	3.274	ug/l	97
54) 1,2-Dibromoethane	11.347	107	17807	3.697	ug/l	98
55) 2-Chloroethyl vinyl ether	10.044	63	48329	23.855	ug/l	100
56) Bromoform	12.460	173	10925	2.917	ug/l #	98
58) 4-Methyl-2-Pentanone	10.331	43	111476	20.214	ug/l	98
59) 2-Hexanone	11.087	43	82253	20.359	ug/l	98
61) Tetrachloroethene	10.980	164	15382	4.093	ug/l	93
62) Toluene	10.508	91	82144	4.235	ug/l	97
64) Chlorobenzene	11.771	112	48139	4.051	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.843	131	17367	3.805	ug/l	98
66) Ethyl Benzene	11.846	91	88944	4.061	ug/l	100
67) m/p-Xylenes	11.953	106	65595	7.774	ug/l	97
68) o-Xylene	12.283	106	33113	3.980	ug/l	99
69) Styrene	12.296	104	50755	3.696	ug/l	99
70) Isopropylbenzene	12.581	105	83620	3.799	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	24016	3.838	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	20990m	4.084	ug/l	
73) Bromobenzene	12.862	156	18619	3.726	ug/l	95
74) n-propylbenzene	12.921	91	93352	3.709	ug/l	100
75) 2-Chlorotoluene	13.010	91	59023	3.968	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	69490	3.824	ug/l	98
77) t-1,4-Dichloro-2-butene	12.629	75	6560	3.294	ug/l	96
78) 4-Chlorotoluene	13.109	91	56348	3.851	ug/l	94
79) tert-butylbenzene	13.324	119	60761	3.803	ug/l	98
80) 1,2,4-Trimethylbenzene	13.372	105	68231	3.790	ug/l #	81
81) sec-Butylbenzene	13.503	105	83874	3.688	ug/l	99
82) p-Isopropyltoluene	13.616	119	67035	3.570	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	32610	3.561	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	31396	3.606	ug/l	98
85) n-Butylbenzene	13.946	91	53484	3.474	ug/l	99
86) Hexachloroethane	14.214	117	11423	3.242	ug/l	96
87) 1,2-Dichlorobenzene	13.991	146	31883	3.746	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.606	75	4101	3.695	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	15356	3.711	ug/l	98
90) Hexachlorobutadiene	15.370	225	8918	4.248	ug/l	97
91) Naphthalene	15.507	128	46434	4.062	ug/l	99
92) 1,2,3-Trichlorobenzene	15.703	180	14847	3.778	ug/l	97

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

