

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
 Data File : VN080731.D
 Acq On : 22 Jan 2024 10:25
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 23 01:22:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 12 05:20:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	14944	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	123472	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	136826	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	64639	26.785	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	89.267%#
60) 4-Bromofluorobenzene	12.847	95	84953	28.067	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.567%
63) Toluene-d8	10.565	98	178398	29.709	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.033%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	50130	19.737	ug/l	94
3) Chloromethane	2.359	50	69104	19.973	ug/l	94
4) Vinyl Chloride	2.518	62	52698	20.023	ug/l	94
5) Bromomethane	2.971	94	21226	21.965	ug/l	98
6) Chloroethane	3.130	64	30024	21.101	ug/l	93
7) Trichlorofluoromethane	3.500	101	72781	18.511	ug/l	94
8) Diethyl Ether	3.959	74	34456	18.831	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	43887m	19.370	ug/l	
10) 1,1-Dichloroethene	4.341	96	44986	18.484	ug/l #	80
11) Methyl Iodide	4.588	142	37562	18.095	ug/l	98
12) Methyl Acetate	5.018	43	51714	17.960	ug/l #	84
13) Acrolein	4.171	56	28297	73.931	ug/l	96
14) Acrylonitrile	5.712	53	123944	95.523	ug/l #	27
15) Acetone	4.424	58	23376m	79.419	ug/l	
16) Carbon Disulfide	4.712	76	141521	18.770	ug/l	97
17) Allyl chloride	5.024	41	90985	18.468	ug/l	90
18) Methylene Chloride	5.271	84	51921	18.359	ug/l	89
19) trans-1,2-Dichloroethene	5.783	96	49393	19.303	ug/l	92
20) Diisopropyl ether	6.671	45	196966	19.701	ug/l #	95
21) 1,1-Dichloroethane	6.559	63	105981	19.520	ug/l	95
22) cis-1,2-Dichloroethene	7.482	96	59395	19.842	ug/l	91
23) tert-Butyl Alcohol	5.500	59	37586	83.991	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	162623m	18.480	ug/l	
25) Chloroform	7.965	83	94893	18.773	ug/l	98
26) Cyclohexane	8.253	56	86873	20.347	ug/l	89
29) 1,1-Dichloropropene	8.371	75	76713	20.439	ug/l	96
30) 2-Butanone	7.482	43	153720	92.555	ug/l #	54
31) 2,2-Dichloropropane	7.482	77	88353	19.595	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	80482	19.487	ug/l	94
33) Carbon Tetrachloride	8.359	117	63529	19.477	ug/l #	90
34) Benzene	8.606	78	232113	20.849	ug/l	96
35) Methacrylonitrile	7.777	41	42248	20.272	ug/l	90
36) 1,2-Dichloroethane	8.671	62	71665	17.507	ug/l	99
37) Trichloroethene	9.353	130	47845	19.706	ug/l	84
38) Methylcyclohexane	9.600	83	78650	21.510	ug/l	96
39) 1,2-Dichloropropane	9.623	63	62893	20.960	ug/l	97
40) Dibromomethane	9.706	93	34758	19.468	ug/l	87
41) Bromodichloromethane	9.888	83	74357	19.032	ug/l #	99
42) Vinyl Acetate	6.600	43	760407	98.507	ug/l	94

01/23/2024
 Supervised By :Mahesh
 adoda

01/23/2024

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri Jan 12 05:20:11 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	68808	19.730	ug/l	95
44) Isopropyl Acetate	8.688	43	127680	19.179	ug/l	89
45) 1,4-Dioxane	9.694	88	12802	338.114	ug/l #	61
46) Methyl methacrylate	9.676	41	58745	18.739	ug/l	86
47) n-amyl Acetate	12.494	43	111812m	18.717	ug/l	
48) t-1,3-Dichloropropene	10.835	75	88441	19.211	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	98692	20.198	ug/l #	80
50) 1,1,2-Trichloroethane	11.017	97	48580	19.813	ug/l	94
51) Ethyl methacrylate	10.870	69	81704	19.276	ug/l	72
52) 1,3-Dichloropropane	11.165	76	92039	19.940	ug/l	96
53) Dibromochloromethane	11.359	129	48162	19.629	ug/l	98
54) 1,2-Dibromoethane	11.470	107	46826	19.428	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	228770	105.009	ug/l #	92
56) Bromoform	12.576	173	28213	19.465	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	350192	97.293	ug/l #	85
59) 2-Hexanone	11.194	43	254569	94.728	ug/l #	88
61) Tetrachloroethene	11.106	164	38768	21.285	ug/l	95
62) Toluene	10.629	91	224203	20.373	ug/l	98
64) Chlorobenzene	11.894	112	128952	21.038	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	43865	19.917	ug/l	94
66) Ethyl Benzene	11.964	91	241857	20.895	ug/l	96
67) m/p-Xylenes	12.070	106	176042	42.316	ug/l	100
68) o-Xylene	12.394	106	86871	20.938	ug/l	99
69) Styrene	12.412	104	143359	20.567	ug/l	99
70) Isopropylbenzene	12.694	105	207307	20.444	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	62330	18.832	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	63020m	20.090	ug/l	
73) Bromobenzene	12.982	156	42908	19.852	ug/l	75
74) n-propylbenzene	13.035	91	257192	21.031	ug/l	97
75) 2-Chlorotoluene	13.123	91	152610	19.843	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	172847	20.480	ug/l	96
77) t-1,4-Dichloro-2-butene	12.735	75	25400	19.751	ug/l	87
78) 4-Chlorotoluene	13.223	91	154095	20.045	ug/l	97
79) tert-butylbenzene	13.441	119	134926	20.481	ug/l	95
80) 1,2,4-Trimethylbenzene	13.482	105	168234	20.374	ug/l	99
81) sec-Butylbenzene	13.617	105	204256	21.062	ug/l	95
82) p-Isopropyltoluene	13.729	119	161796	21.877	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	79630	21.236	ug/l	98
84) 1,4-Dichlorobenzene	13.811	146	79342	21.015	ug/l	100
85) n-Butylbenzene	14.058	91	151413	20.721	ug/l	94
86) Hexachloroethane	14.335	117	26734	19.223	ug/l	84
87) 1,2-Dichlorobenzene	14.106	146	75730	20.588	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12038	17.469	ug/l #	78
89) 1,2,4-Trichlorobenzene	15.835	180	38418	20.823	ug/l	99
90) Hexachlorobutadiene	15.500	225	16430	19.437	ug/l	91
91) Naphthalene	15.641	128	134819	18.745	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	38418	20.823	ug/l	99

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

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