

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050724\
 Data File : VN082015.D
 Acq On : 07 May 2024 09:28
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: May 08 07:55:53 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						05/08/2024
1) Bromochloromethane	7.818	128	34960	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	206632	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	186164	30.000	ug/l	0.00
System Monitoring Compounds						05/08/2024
27) 1,2-Dichloroethane-d4	8.583	65	90419	30.891	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.967%
60) 4-Bromofluorobenzene	12.847	95	86248	27.838	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.800%
63) Toluene-d8	10.565	98	266205	30.110	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.367%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	35058	17.666	ug/l	93
3) Chloromethane	2.359	50	44238	19.222	ug/l	98
4) Vinyl Chloride	2.518	62	41699	19.180	ug/l	98
5) Bromomethane	2.959	94	19186	16.912	ug/l	99
6) Chloroethane	3.130	64	27100	22.013	ug/l	89
7) Trichlorofluoromethane	3.506	101	57592	18.103	ug/l #	83
8) Diethyl Ether	3.965	74	28981	18.818	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.377	101	38943	17.856	ug/l	80
10) 1,1-Dichloroethene	4.336	96	39106m	18.328	ug/l	
11) Methyl Iodide	4.595	142	31003	15.899	ug/l	90
12) Methyl Acetate	5.024	43	58294	21.819	ug/l	89
13) Acrolein	4.177	56	37939	66.815	ug/l	99
14) Acrylonitrile	5.712	53	122135	100.164	ug/l	98
15) Acetone	4.424	58	26882	98.384	ug/l	95
16) Carbon Disulfide	4.712	76	98793	16.712	ug/l	96
17) Allyl chloride	5.024	41	68475	18.279	ug/l	86
18) Methylene Chloride	5.283	84	47434	19.539	ug/l #	83
19) trans-1,2-Dichloroethene	5.777	96	41152	18.529	ug/l #	74
20) Diisopropyl ether	6.677	45	164618	19.862	ug/l	95
21) 1,1-Dichloroethane	6.565	63	89182	20.321	ug/l	91
22) cis-1,2-Dichloroethene	7.483	96	52351m	19.343	ug/l	
23) tert-Butyl Alcohol	5.524	59	44597	88.792	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	146763	19.079	ug/l #	85
25) Chloroform	7.965	83	81144	19.219	ug/l	96
26) Cyclohexane	8.259	56	70059	18.460	ug/l #	84
29) 1,1-Dichloropropene	8.371	75	58050	18.870	ug/l	98
30) 2-Butanone	7.483	43	154602	97.496	ug/l	94
31) 2,2-Dichloropropane	7.489	77	70183	22.263	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	66458	18.784	ug/l #	92
33) Carbon Tetrachloride	8.365	117	52314	18.220	ug/l #	93
34) Benzene	8.606	78	198746	20.251	ug/l	99
35) Methacrylonitrile	7.777	41	37000	18.443	ug/l	96
36) 1,2-Dichloroethane	8.671	62	63355	19.231	ug/l	96
37) Trichloroethene	9.353	130	38055	15.832	ug/l #	80
38) Methylcyclohexane	9.600	83	70111	18.866	ug/l	98
39) 1,2-Dichloropropane	9.618	63	52498	20.848	ug/l	96
40) Dibromomethane	9.712	93	32851	20.307	ug/l	84
41) Bromodichloromethane	9.888	83	67296	19.463	ug/l #	92
42) Vinyl Acetate	6.600	43	641370	95.027	ug/l	96

05/08/2024
 Supervised By :Mahesh
 adoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	67031	19.388	ug/l	99
44) Isopropyl Acetate	8.688	43	118718	19.341	ug/l	92
45) 1,4-Dioxane	9.694	88	18198	369.693	ug/l #	95
46) Methyl methacrylate	9.683	41	54036	19.270	ug/l	83
47) n-amyl Acetate	12.494	43	105465	19.050	ug/l #	89
48) t-1,3-Dichloropropene	10.835	75	70129	18.703	ug/l #	87
49) cis-1,3-Dichloropropene	10.312	75	78803	19.878	ug/l #	83
50) 1,1,2-Trichloroethane	11.018	97	45577	20.767	ug/l	95
51) Ethyl methacrylate	10.877	69	79091	19.094	ug/l	83
52) 1,3-Dichloropropane	11.165	76	81594	20.235	ug/l	100
53) Dibromochloromethane	11.359	129	44364	18.579	ug/l	97
54) 1,2-Dibromoethane	11.471	107	41968	19.174	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	220839	106.616	ug/l	94
56) Bromoform	12.582	173	25014	17.212	ug/l #	97
58) 4-Methyl-2-Pentanone	10.447	43	345259	95.514	ug/l #	87
59) 2-Hexanone	11.194	43	255893	95.478	ug/l #	88
61) Tetrachloroethene	11.100	164	33211	16.077	ug/l	93
62) Toluene	10.630	91	200820	19.172	ug/l	98
64) Chlorobenzene	11.894	112	119391	18.635	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	37927	18.087	ug/l	94
66) Ethyl Benzene	11.965	91	217121	18.910	ug/l	96
67) m/p-Xylenes	12.071	106	157788	37.066	ug/l	100
68) o-Xylene	12.400	106	79072	18.774	ug/l	99
69) Styrene	12.412	104	128307	18.148	ug/l	99
70) Isopropylbenzene	12.694	105	194078	18.144	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	61965	20.130	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	57030m	19.817	ug/l	
73) Bromobenzene	12.982	156	40697	17.773	ug/l	79
74) n-propylbenzene	13.035	91	239902	19.010	ug/l	98
75) 2-Chlorotoluene	13.129	91	144788	18.546	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	160463	18.533	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	24712	19.293	ug/l	94
78) 4-Chlorotoluene	13.223	91	141614	18.515	ug/l	100
79) tert-butylbenzene	13.441	119	134566	18.051	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	160926	18.504	ug/l	100
81) sec-Butylbenzene	13.618	105	198551	19.001	ug/l	96
82) p-Isopropyltoluene	13.729	119	153141	18.533	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	76161	18.472	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	75253	18.159	ug/l	98
85) n-Butylbenzene	14.059	91	140700	18.641	ug/l	97
86) Hexachloroethane	14.335	117	29591	17.960	ug/l	77
87) 1,2-Dichlorobenzene	14.106	146	75664	18.426	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11990	17.358	ug/l #	78
89) 1,2,4-Trichlorobenzene	15.835	180	35787	15.827	ug/l	97
90) Hexachlorobutadiene	15.500	225	12575	15.016	ug/l	95
91) Naphthalene	15.641	128	142468	16.575	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	35787	15.827	ug/l	97

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

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