

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
 Data File : VN084307.D
 Acq On : 04 Oct 2024 08:58
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Oct 04 22:53:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

10/07/2024
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	7.812	128	30129	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	160732	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	149771	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	76689	27.846	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.833%
60) 4-Bromofluorobenzene	12.847	95	79327	30.732	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.433%
63) Toluene-d8	10.565	98	219952	31.716	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.733%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	37469	18.571	ug/l	95
3) Chloromethane	2.359	50	43437	20.720	ug/l	95
4) Vinyl Chloride	2.512	62	40920	18.987	ug/l	92
5) Bromomethane	2.959	94	26522	22.026	ug/l	99
6) Chloroethane	3.124	64	27725	19.211	ug/l	99
7) Trichlorofluoromethane	3.494	101	69472	19.228	ug/l	93
8) Diethyl Ether	3.959	74	22771	18.548	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.371	101	40741	20.992	ug/l	95
10) 1,1-Dichloroethene	4.341	96	37933	20.257	ug/l	89
11) Methyl Iodide	4.589	142	46717	18.367	ug/l	90
12) Methyl Acetate	5.030	43	58362	25.843	ug/l #	81
13) Acrolein	4.183	56	41916	127.180	ug/l	93
14) Acrylonitrile	5.724	53	103509	113.260	ug/l	97
15) Acetone	4.430	58	36293	119.715	ug/l	80
16) Carbon Disulfide	4.712	76	102313	19.333	ug/l	100
17) Allyl chloride	5.024	41	58518	17.820	ug/l	84
18) Methylene Chloride	5.277	84	43861	21.409	ug/l	90
19) trans-1,2-Dichloroethene	5.788	96	38985	20.087	ug/l	95
20) Diisopropyl ether	6.677	45	140090	21.124	ug/l	96
21) 1,1-Dichloroethane	6.571	63	79309	20.946	ug/l	97
22) cis-1,2-Dichloroethene	7.488	96	47120	19.948	ug/l	94
23) tert-Butyl Alcohol	5.524	59	39376	117.412	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	126028	18.939	ug/l #	91
25) Chloroform	7.965	83	81600	20.336	ug/l	96
26) Cyclohexane	8.253	56	58197	17.452	ug/l #	88
29) 1,1-Dichloropropene	8.371	75	55623	21.818	ug/l	97
30) 2-Butanone	7.482	43	154706	128.732	ug/l	94
31) 2,2-Dichloropropane	7.494	77	67815	20.864	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	74507	21.883	ug/l	97
33) Carbon Tetrachloride	8.359	117	63324	21.477	ug/l	92
34) Benzene	8.606	78	176035	23.013	ug/l	98
35) Methacrylonitrile	7.777	41	31359	23.212	ug/l	94
36) 1,2-Dichloroethane	8.671	62	61198	21.281	ug/l	98
37) Trichloroethene	9.347	130	40899	22.769	ug/l	90
38) Methylcyclohexane	9.600	83	56584	18.538	ug/l	93
39) 1,2-Dichloropropane	9.618	63	43020	23.367	ug/l	99
40) Dibromomethane	9.706	93	30861	22.926	ug/l	95
41) Bromodichloromethane	9.888	83	66077	23.084	ug/l	98
42) Vinyl Acetate	6.606	43	488995	98.965	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	53125	21.962	ug/l	93
44) Isopropyl Acetate	8.688	43	99784	23.850	ug/l	90
45) 1,4-Dioxane	9.700	88	17507	536.504	ug/l	97
46) Methyl methacrylate	9.682	41	38143	18.836	ug/l	89
47) n-amyl Acetate	12.494	43	82600	22.288	ug/l	94
48) t-1,3-Dichloropropene	10.835	75	63921	21.229	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	69685	22.254	ug/l #	90
50) 1,1,2-Trichloroethane	11.018	97	42091	24.573	ug/l	98
51) Ethyl methacrylate	10.870	69	61616	21.055	ug/l	84
52) 1,3-Dichloropropane	11.165	76	70367	22.748	ug/l	100
53) Dibromochloromethane	11.359	129	48460	23.587	ug/l	99
54) 1,2-Dibromoethane	11.465	107	40844	23.049	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	144532	123.928	ug/l	98
56) Bromoform	12.576	173	31267	23.955	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	300329	126.465	ug/l #	89
59) 2-Hexanone	11.194	43	223129	124.345	ug/l	89
61) Tetrachloroethene	11.100	164	35694	22.519	ug/l	99
62) Toluene	10.629	91	190577	22.138	ug/l	98
64) Chlorobenzene	11.894	112	114704	21.521	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.959	131	41681	22.449	ug/l	98
66) Ethyl Benzene	11.965	91	191890	19.601	ug/l	100
67) m/p-Xylenes	12.070	106	151331	42.017	ug/l	98
68) o-Xylene	12.400	106	71950	20.641	ug/l	99
69) Styrene	12.412	104	123589	20.983	ug/l	99
70) Isopropylbenzene	12.694	105	182859	19.878	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	59264	23.588	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	57979m	26.320	ug/l	
73) Bromobenzene	12.976	156	45093	21.342	ug/l	95
74) n-propylbenzene	13.035	91	223892	20.791	ug/l	99
75) 2-Chlorotoluene	13.123	91	139782	20.798	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	159077	20.702	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	20388	21.896	ug/l	91
78) 4-Chlorotoluene	13.223	91	142270	20.873	ug/l	100
79) tert-butylbenzene	13.435	119	131586	19.583	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	161436	20.790	ug/l	97
81) sec-Butylbenzene	13.617	105	185042	20.159	ug/l	99
82) p-Isopropyltoluene	13.729	119	152026	19.685	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	85901	21.123	ug/l	97
84) 1,4-Dichlorobenzene	13.811	146	83228	20.471	ug/l	98
85) n-Butylbenzene	14.059	91	125465	18.409	ug/l	99
86) Hexachloroethane	14.335	117	30826	21.062	ug/l	91
87) 1,2-Dichlorobenzene	14.106	146	82550	20.917	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11528	20.878	ug/l	95
89) 1,2,4-Trichlorobenzene	15.835	180	39204	18.132	ug/l	98
90) Hexachlorobutadiene	15.500	225	18674	20.866	ug/l	99
91) Naphthalene	15.635	128	114848	16.247	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	39204	18.132	ug/l	98

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

