

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091324\
 Data File : VN083878.D
 Acq On : 13 Sep 2024 18:31
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/14/2024
 Supervised By : Semsettin Yesilyurt 09/16/2024

Quant Time: Sep 13 23:55:53 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

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

Internal Standards						
1) Bromochloromethane	7.812	128	27221	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	151346	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	138264	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	74379	29.893	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.633%		
60) 4-Bromofluorobenzene	12.847	95	69572	29.196	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.333%		
63) Toluene-d8	10.565	98	191346	29.888	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.633%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	35384	19.411	ug/l	97
3) Chloromethane	2.359	50	36742	19.399	ug/l	98
4) Vinyl Chloride	2.518	62	37725	19.375	ug/l	99
5) Bromomethane	2.959	94	24219	22.263	ug/l	100
6) Chloroethane	3.118	64	24585	18.855	ug/l	100
7) Trichlorofluoromethane	3.495	101	60768	18.615	ug/l	96
8) Diethyl Ether	3.959	74	19977	18.010	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	32912	18.770	ug/l	94
10) 1,1-Dichloroethene	4.342	96	31009	18.329	ug/l #	79
11) Methyl Iodide	4.583	142	40690	17.706	ug/l	90
12) Methyl Acetate	5.024	43	41841	20.507	ug/l #	80
13) Acrolein	4.183	56	32764	110.031	ug/l	99
14) Acrylonitrile	5.724	53	87285	105.710	ug/l	98
15) Acetone	4.424	58	22578	82.431	ug/l	73
16) Carbon Disulfide	4.712	76	82793	17.316	ug/l #	92
17) Allyl chloride	5.018	41	51600	17.392	ug/l	88
18) Methylene Chloride	5.283	84	34545	18.663	ug/l	90
19) trans-1,2-Dichloroethene	5.794	96	32381	18.467	ug/l	96
20) Diisopropyl ether	6.671	45	115547	19.285	ug/l	96
21) 1,1-Dichloroethane	6.571	63	65883	19.259	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	39507	18.512	ug/l	93
23) tert-Butyl Alcohol	5.530	59	35455	117.014	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	113724	18.915	ug/l #	85
25) Chloroform	7.965	83	68528	18.903	ug/l	99
26) Cyclohexane	8.259	56	53318	17.697	ug/l #	88
29) 1,1-Dichloropropene	8.371	75	48482	20.196	ug/l	96
30) 2-Butanone	7.483	43	123474	109.115	ug/l	95
31) 2,2-Dichloropropane	7.488	77	54916	17.943	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	64563	20.139	ug/l	97
33) Carbon Tetrachloride	8.365	117	54611	19.670	ug/l	91
34) Benzene	8.606	78	144859	20.112	ug/l #	95
35) Methacrylonitrile	7.777	41	26954	21.189	ug/l	96
36) 1,2-Dichloroethane	8.671	62	54661	20.187	ug/l #	94
37) Trichloroethene	9.353	130	32604	19.276	ug/l	98
38) Methylcyclohexane	9.606	83	52002	18.094	ug/l	95
39) 1,2-Dichloropropane	9.624	63	35431	20.439	ug/l	99
40) Dibromomethane	9.712	93	25930	20.457	ug/l	94
41) Bromodichloromethane	9.888	83	53970	20.023	ug/l	99
42) Vinyl Acetate	6.606	43	446059	95.874	ug/l	96

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 Sample : VSTDCCC020
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 ALS Vial : 12 Sample Multiplier: 1

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	49353	21.668	ug/l	98
44) Isopropyl Acetate	8.688	43	85526	21.710	ug/l #	89
45) 1,4-Dioxane	9.694	88	14868	483.889	ug/l #	91
46) Methyl methacrylate	9.682	41	40963	21.483	ug/l	80
47) n-amyl Acetate	12.494	43	75807	21.724	ug/l	91
48) t-1,3-Dichloropropene	10.835	75	52347	18.464	ug/l	95
49) cis-1,3-Dichloropropene	10.318	75	56381	19.122	ug/l #	88
50) 1,1,2-Trichloroethane	11.018	97	33846	20.985	ug/l	97
51) Ethyl methacrylate	10.876	69	55777	20.242	ug/l	76
52) 1,3-Dichloropropane	11.165	76	59637	20.475	ug/l	97
53) Dibromochloromethane	11.359	129	38457	19.879	ug/l	99
54) 1,2-Dibromoethane	11.471	107	34505	20.680	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	115416	105.100	ug/l	98
56) Bromoform	12.576	173	24430	19.877	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	258523	117.921	ug/l #	88
59) 2-Hexanone	11.194	43	192092	115.958	ug/l #	87
61) Tetrachloroethene	11.100	164	29370	20.071	ug/l	94
62) Toluene	10.629	91	153605	19.328	ug/l	100
64) Chlorobenzene	11.894	112	94611	19.228	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	32626	19.034	ug/l	95
66) Ethyl Benzene	11.965	91	169263	18.729	ug/l	100
67) m/p-Xylenes	12.070	106	128854	38.753	ug/l	100
68) o-Xylene	12.400	106	63984	19.883	ug/l	98
69) Styrene	12.412	104	103935	19.115	ug/l	98
70) Isopropylbenzene	12.694	105	158185	18.627	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	47477	20.469	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	43271m	21.278	ug/l	
73) Bromobenzene	12.982	156	36790	18.861	ug/l	92
74) n-propylbenzene	13.035	91	186472	18.758	ug/l	99
75) 2-Chlorotoluene	13.123	91	116966	18.852	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	135115	19.047	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	15461	17.987	ug/l	79
78) 4-Chlorotoluene	13.223	91	116344	18.490	ug/l	99
79) tert-butylbenzene	13.441	119	115663	18.646	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	134542	18.768	ug/l	99
81) sec-Butylbenzene	13.617	105	158244	18.674	ug/l	99
82) p-Isopropyltoluene	13.729	119	132603	18.599	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	68447	18.232	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	65703	17.506	ug/l	99
85) n-Butylbenzene	14.053	91	108805	17.293	ug/l	99
86) Hexachloroethane	14.335	117	23684	17.529	ug/l	86
87) 1,2-Dichlorobenzene	14.106	146	65451	17.964	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10221	20.052	ug/l	92
89) 1,2,4-Trichlorobenzene	15.841	180	32129	16.096	ug/l	100
90) Hexachlorobutadiene	15.500	225	14347	17.366	ug/l	95
91) Naphthalene	15.641	128	114300	17.516	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	32129	16.096	ug/l	100

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

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