

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042624\
 Data File : VN081900.D
 Acq On : 27 Apr 2024 03:09
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN042624

Quant Time: May 14 11:31:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:29:16 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/29/2024
 Supervised By : Semsettin Yesilyurt 05/14/2024

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

Internal Standards						
1) Bromochloromethane	7.818	128	44985	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	264392	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	230637	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	110708	29.394	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.967%		
60) 4-Bromofluorobenzene	12.847	95	112173	29.225	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.400%		
63) Toluene-d8	10.565	98	334559	30.545	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	48867	19.137	ug/l	95
3) Chloromethane	2.365	50	56517	19.085	ug/l	99
4) Vinyl Chloride	2.518	62	52793	18.871	ug/l	98
5) Bromomethane	2.971	94	25667	17.583	ug/l	87
6) Chloroethane	3.136	64	29126	18.386	ug/l	89
7) Trichlorofluoromethane	3.506	101	77697	18.980	ug/l	96
8) Diethyl Ether	3.959	74	37295	18.820	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	53915	19.191	ug/l	80
10) 1,1-Dichloroethene	4.341	96	52765	19.195	ug/l	97
11) Methyl Iodide	4.594	142	42666	16.992	ug/l	87
12) Methyl Acetate	5.030	43	65946	18.766	ug/l #	82
13) Acrolein	4.183	56	64655	88.346	ug/l	98
14) Acrylonitrile	5.718	53	148339	94.543	ug/l	97
15) Acetone	4.430	58	33172	93.746	ug/l	82
16) Carbon Disulfide	4.712	76	137623	18.093	ug/l	98
17) Allyl chloride	5.030	41	90945	18.484	ug/l	84
18) Methylene Chloride	5.277	84	58399	18.694	ug/l #	84
19) trans-1,2-Dichloroethene	5.800	96	53810m	18.806	ug/l	
20) Diisopropyl ether	6.671	45	202359	18.974	ug/l	97
21) 1,1-Dichloroethane	6.571	63	108904	19.285	ug/l	97
22) cis-1,2-Dichloroethene	7.488	96	66851	19.130	ug/l	99
23) tert-Butyl Alcohol	5.512	59	63974	98.967	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	191964	19.392	ug/l #	87
25) Chloroform	7.965	83	103774	19.101	ug/l	94
26) Cyclohexane	8.259	56	92134	18.980	ug/l #	88
29) 1,1-Dichloropropene	8.377	75	74071	18.818	ug/l	97
30) 2-Butanone	7.482	43	199294	98.224	ug/l	93
31) 2,2-Dichloropropane	7.494	77	75421	18.698	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	87967	19.432	ug/l	96
33) Carbon Tetrachloride	8.365	117	70706	19.245	ug/l	98
34) Benzene	8.606	78	244518	19.472	ug/l	95
35) Methacrylonitrile	7.782	41	47571	18.532	ug/l	95
36) 1,2-Dichloroethane	8.671	62	80001	18.978	ug/l	97
37) Trichloroethene	9.353	130	57517	18.701	ug/l	100
38) Methylcyclohexane	9.600	83	91086	19.156	ug/l	96
39) 1,2-Dichloropropane	9.623	63	62869	19.512	ug/l	98
40) Dibromomethane	9.706	93	41463	20.031	ug/l	90
41) Bromodichloromethane	9.888	83	84060	19.000	ug/l	93
42) Vinyl Acetate	6.600	43	808494	93.619	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	75434	16.994	ug/l	98
44) Isopropyl Acetate	8.688	43	148562	18.918	ug/l	89
45) 1,4-Dioxane	9.694	88	24856	394.637	ug/l #	85
46) Methyl methacrylate	9.682	41	70434	19.630	ug/l	87
47) n-amyl Acetate	12.494	43	134372m	18.975	ug/l	
48) t-1,3-Dichloropropene	10.835	75	88712	18.491	ug/l	93
49) cis-1,3-Dichloropropene	10.312	75	96672	19.058	ug/l #	87
50) 1,1,2-Trichloroethane	11.018	97	55833	19.882	ug/l	94
51) Ethyl methacrylate	10.870	69	100638	18.988	ug/l	76
52) 1,3-Dichloropropane	11.165	76	96950	18.791	ug/l	100
53) Dibromochloromethane	11.359	129	58363	19.102	ug/l	97
54) 1,2-Dibromoethane	11.470	107	53629	19.148	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	250645	94.570	ug/l	97
56) Bromoform	12.576	173	33952	18.258	ug/l	97
58) 4-Methyl-2-Pentanone	10.447	43	435113	97.165	ug/l #	87
59) 2-Hexanone	11.194	43	324863	97.839	ug/l #	88
61) Tetrachloroethene	11.106	164	50233	19.629	ug/l	92
62) Toluene	10.629	91	252785	19.480	ug/l	99
64) Chlorobenzene	11.894	112	154602	19.478	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.965	131	50449	19.419	ug/l	94
66) Ethyl Benzene	11.965	91	281259	19.773	ug/l	100
67) m/p-Xylenes	12.070	106	206460	39.147	ug/l	100
68) o-Xylene	12.400	106	99619	19.092	ug/l	96
69) Styrene	12.412	104	171912	19.627	ug/l	99
70) Isopropylbenzene	12.694	105	256218	19.334	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	71967	18.871	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	58879m	18.869	ug/l	
73) Bromobenzene	12.982	156	53301	18.789	ug/l	84
74) n-propylbenzene	13.035	91	303646	19.407	ug/l	100
75) 2-Chlorotoluene	13.123	91	187209	19.356	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	209556	19.536	ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	28805	18.143	ug/l	93
78) 4-Chlorotoluene	13.223	91	186571	19.690	ug/l	98
79) tert-butylbenzene	13.441	119	180852	19.582	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	209763	19.469	ug/l	99
81) sec-Butylbenzene	13.617	105	248715	19.212	ug/l	100
82) p-Isopropyltoluene	13.729	119	199677	19.505	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	98239	19.233	ug/l	97
84) 1,4-Dichlorobenzene	13.811	146	97006	18.895	ug/l	97
85) n-Butylbenzene	14.053	91	172710	18.470	ug/l	97
86) Hexachloroethane	14.335	117	37836	18.536	ug/l	87
87) 1,2-Dichlorobenzene	14.106	146	96173	18.904	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	14750	17.236	ug/l	97
89) 1,2,4-Trichlorobenzene	15.841	180	52165	18.622	ug/l	97
90) Hexachlorobutadiene	15.505	225	18353	17.690	ug/l	96
91) Naphthalene	15.641	128	193183	18.141	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	52165	18.622	ug/l	97

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

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