

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042224\
 Data File : VN081825.D
 Acq On : 22 Apr 2024 13:55
 Operator : JC\MD
 Sample : VN0422WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 23 06:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

Internal Standards						04/23/2024
1) Bromochloromethane	7.818	128	13533	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	97473	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	131310	30.000	ug/l	0.00
System Monitoring Compounds						04/23/2024
27) 1,2-Dichloroethane-d4	8.577	65	54591	32.836	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.467%
60) 4-Bromofluorobenzene	12.847	95	84571	32.759	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	109.200%
63) Toluene-d8	10.565	98	163709	31.081	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	34355	18.168	ug/l	95
3) Chloromethane	2.359	50	41706	25.421	ug/l	89
4) Vinyl Chloride	2.518	62	39252	23.267	ug/l	93
5) Bromomethane	2.965	94	37609	26.324	ug/l	94
6) Chloroethane	3.124	64	39992	30.288	ug/l	94
7) Trichlorofluoromethane	3.501	101	56342	20.343	ug/l	95
8) Diethyl Ether	3.965	74	18546	17.953	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	35025	18.432	ug/l	83
10) 1,1-Dichloroethene	4.348	96	31888	18.298	ug/l	88
11) Methyl Iodide	4.595	142	31465	15.943	ug/l	95
12) Methyl Acetate	5.024	43	33750	21.091	ug/l #	85
13) Acrolein	4.183	56	19516	92.603	ug/l	98
14) Acrylonitrile	5.724	53	77346	97.103	ug/l	95
15) Acetone	4.418	58	15725m	89.760	ug/l	
16) Carbon Disulfide	4.706	76	87796	17.717	ug/l #	91
17) Allyl chloride	5.018	41	41000	19.449	ug/l	87
18) Methylene Chloride	5.277	84	39703	19.786	ug/l	90
19) trans-1,2-Dichloroethene	5.789	96	38021	19.895	ug/l #	82
20) Diisopropyl ether	6.665	45	109762	21.869	ug/l	91
21) 1,1-Dichloroethane	6.565	63	70405	21.040	ug/l	94
22) cis-1,2-Dichloroethene	7.489	96	48361	20.956	ug/l	95
23) tert-Butyl Alcohol	5.518	59	24199m	85.581	ug/l	
24) Methyl tert-Butyl Ether	5.795	73	109642	20.117	ug/l #	90
25) Chloroform	7.965	83	82293	21.614	ug/l	99
26) Cyclohexane	8.253	56	53190	19.828	ug/l #	83
29) 1,1-Dichloropropene	8.365	75	54937	21.438	ug/l	87
30) 2-Butanone	7.483	43	100560	102.752	ug/l	98
31) 2,2-Dichloropropane	7.489	77	64745	20.284	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	72562	20.545	ug/l	97
33) Carbon Tetrachloride	8.365	117	65743	20.536	ug/l	94
34) Benzene	8.606	78	167663	20.311	ug/l	98
35) Methacrylonitrile	7.777	41	25256	22.783	ug/l	95
36) 1,2-Dichloroethane	8.671	62	62595	23.118	ug/l	99
37) Trichloroethene	9.353	130	43637	19.976	ug/l	83
38) Methylcyclohexane	9.600	83	55542	17.733	ug/l	98
39) 1,2-Dichloropropane	9.624	63	41790	21.700	ug/l	90
40) Dibromomethane	9.712	93	33943	22.126	ug/l	99
41) Bromodichloromethane	9.888	83	68027	21.746	ug/l	93
42) Vinyl Acetate	6.606	43	428494	105.101	ug/l	99

04/23/2024
 Supervised By :Mahesh
 Radoda

04/23/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	46303	21.468	ug/l	#	89
44) Isopropyl Acetate	8.688	43	79143	21.899	ug/l		93
45) 1,4-Dioxane	9.694	88	13450	337.138	ug/l	#	93
46) Methyl methacrylate	9.682	41	36861	22.681	ug/l		70
47) n-amyl Acetate	12.494	43	72844	22.463	ug/l		98
48) t-1,3-Dichloropropene	10.835	75	68240	22.896	ug/l		99
49) cis-1,3-Dichloropropene	10.312	75	66967	20.865	ug/l	#	86
50) 1,1,2-Trichloroethane	11.018	97	44537	21.682	ug/l		94
51) Ethyl methacrylate	10.877	69	59635	20.850	ug/l		85
52) 1,3-Dichloropropane	11.165	76	73840	21.931	ug/l		99
53) Dibromochloromethane	11.359	129	55433	22.591	ug/l		99
54) 1,2-Dibromoethane	11.471	107	45972	21.652	ug/l		98
55) 2-Chloroethyl vinyl ether	10.159	63	147360	104.917	ug/l		100
56) Bromoform	12.576	173	36063	22.985	ug/l	#	97
58) 4-Methyl-2-Pentanone	10.447	43	255800	113.279	ug/l	#	88
59) 2-Hexanone	11.194	43	183851	108.410	ug/l		90
61) Tetrachloroethene	11.106	164	49944	20.527	ug/l		92
62) Toluene	10.629	91	201894	21.134	ug/l		96
64) Chlorobenzene	11.894	112	128647	21.237	ug/l		96
65) 1,1,1,2-Tetrachloroethane	11.959	131	46390	21.082	ug/l		94
66) Ethyl Benzene	11.965	91	206288	20.310	ug/l		100
67) m/p-Xylenes	12.071	106	169468	42.122	ug/l		97
68) o-Xylene	12.400	106	80508	21.079	ug/l		96
69) Styrene	12.412	104	134794	20.723	ug/l		98
70) Isopropylbenzene	12.694	105	207765	21.086	ug/l		95
71) 1,1,2,2-Tetrachloroethane	12.941	83	61490	23.890	ug/l		100
72) 1,2,3-Trichloropropane	12.994	75	55327m	23.218	ug/l		
73) Bromobenzene	12.982	156	52943	21.684	ug/l		95
74) n-propylbenzene	13.035	91	254116	21.545	ug/l		99
75) 2-Chlorotoluene	13.123	91	152911	21.761	ug/l		96
76) 1,3,5-Trimethylbenzene	13.176	105	179828	21.502	ug/l		99
77) t-1,4-Dichloro-2-butene	12.735	75	21385	21.670	ug/l		96
78) 4-Chlorotoluene	13.223	91	159149	22.835	ug/l		97
79) tert-butylbenzene	13.441	119	150396	21.138	ug/l		98
80) 1,2,4-Trimethylbenzene	13.482	105	183410	21.990	ug/l		94
81) sec-Butylbenzene	13.618	105	216687	21.117	ug/l		98
82) p-Isopropyltoluene	13.729	119	176823	20.547	ug/l		98
83) 1,3-Dichlorobenzene	13.735	146	104945	22.999	ug/l		96
84) 1,4-Dichlorobenzene	13.812	146	102759	23.264	ug/l		97
85) n-Butylbenzene	14.059	91	154263	21.281	ug/l		98
86) Hexachloroethane	14.335	117	35699	21.714	ug/l		95
87) 1,2-Dichlorobenzene	14.106	146	105263	24.236	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	13580	24.202	ug/l		95
89) 1,2,4-Trichlorobenzene	15.841	180	54106	22.727	ug/l		99
90) Hexachlorobutadiene	15.500	225	23489	24.621	ug/l		97
91) Naphthalene	15.641	128	162561	21.239	ug/l		98
92) 1,2,3-Trichlorobenzene	15.841	180	54106	22.728	ug/l		99

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

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