

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032322\
 Data File : VN071507.D
 Acq On : 23 Mar 2022 16:40
 Operator : JC\MD
 Sample : VN0323WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/24/2022
 Supervised By :Semsettin Yesilyurt 03/24/2022

Quant Time: Mar 24 02:46:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 17 06:37:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	116747	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	641907	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	575495	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	247784	26.732	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	89.100%#		
60) 4-Bromofluorobenzene	12.727	95	252007	28.344	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.467%		
63) Toluene-d8	10.439	98	807006	30.483	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	130435	17.279	ug/l	99
3) Chloromethane	2.299	50	157020	15.591	ug/l	98
4) Vinyl Chloride	2.440	62	179384	19.396	ug/l	99
5) Bromomethane	2.851	94	117747	25.403	ug/l	96
6) Chloroethane	3.016	64	114646	20.369	ug/l	95
7) Trichlorofluoromethane	3.369	101	203710	17.465	ug/l	98
8) Diethyl Ether	3.822	74	85178	16.813	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.210	101	121628	18.543	ug/l #	64
10) 1,1-Dichloroethene	4.187	96	117022	17.532	ug/l	99
11) Methyl Iodide	4.422	142	165690	18.027	ug/l	92
12) Methyl Acetate	4.851	43	169762	13.289	ug/l	95
13) Acrolein	4.040	56	105104	62.754	ug/l	97
14) Acrylonitrile	5.551	53	386585	72.590	ug/l	99
15) Acetone	4.287	58	111841	79.889	ug/l	80
16) Carbon Disulfide	4.528	76	304430	16.866	ug/l #	94
17) Allyl chloride	4.840	41	171202	12.446	ug/l	86
18) Methylene Chloride	5.098	84	146966	18.058	ug/l	96
19) trans-1,2-Dichloroethene	5.598	96	129494	18.459	ug/l	99
20) Diisopropyl ether	6.492	45	404703	14.619	ug/l	96
21) 1,1-Dichloroethane	6.381	63	243606	16.536	ug/l	99
22) cis-1,2-Dichloroethene	7.322	96	151348	17.799	ug/l	100
23) tert-Butyl Alcohol	5.357	59	132762	67.396	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	425721	16.711	ug/l	93
25) Chloroform	7.816	83	249037	17.602	ug/l	98
26) Cyclohexane	8.092	56	207639	15.571	ug/l #	97
29) 1,1-Dichloropropene	8.222	75	182059	17.623	ug/l	99
30) 2-Butanone	7.328	43	515046	70.412	ug/l	99
31) 2,2-Dichloropropane	7.322	77	204993	21.168	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	211433	17.552	ug/l	98
33) Carbon Tetrachloride	8.204	117	174448	17.031	ug/l	98
34) Benzene	8.457	78	575617	18.002	ug/l	100
35) Methacrylonitrile	7.628	41	93457	13.187	ug/l	95
36) 1,2-Dichloroethane	8.528	62	200520	17.560	ug/l	96
37) Trichloroethene	9.210	130	144665	18.986	ug/l	98
38) Methylcyclohexane	9.457	83	226762	18.291	ug/l	97
39) 1,2-Dichloropropane	9.486	63	141427	16.685	ug/l	100
40) Dibromomethane	9.575	93	97527	18.188	ug/l	88
41) Bromodichloromethane	9.757	83	187319	17.326	ug/l #	94
42) Vinyl Acetate	6.428	43	1728955	72.331	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	211729	14.884	ug/l	98
44) Isopropyl Acetate	8.557	43	324405	14.182	ug/l	98
45) 1,4-Dioxane	9.563	88	64934	318.751	ug/l	97
46) Methyl methacrylate	9.557	41	143660	14.196	ug/l	82
47) n-amyl Acetate	12.380	43	193042	12.721	ug/l	91
48) t-1,3-Dichloropropene	10.716	75	196689	16.703	ug/l	100
49) cis-1,3-Dichloropropene	10.186	75	221396	17.388	ug/l #	87
50) 1,1,2-Trichloroethane	10.892	97	144159	18.462	ug/l	99
51) Ethyl methacrylate	10.757	69	209874	15.624	ug/l	83
52) 1,3-Dichloropropane	11.039	76	241116	17.146	ug/l	99
53) Dibromochloromethane	11.233	129	141642	17.401	ug/l	99
54) 1,2-Dibromoethane	11.339	107	145878	18.018	ug/l	97
55) 2-Chloroethyl vinyl ether	10.033	63	316622	77.721	ug/l	98
56) Bromoform	12.451	173	103385	16.468	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	985148	71.289	ug/l	92
59) 2-Hexanone	11.080	43	711737	69.287	ug/l	91
61) Tetrachloroethene	10.974	164	126087	20.084	ug/l	92
62) Toluene	10.498	91	626976	19.054	ug/l	98
64) Chlorobenzene	11.768	112	379411	19.012	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.833	131	138107	18.654	ug/l	98
66) Ethyl Benzene	11.839	91	662719	18.276	ug/l	96
67) m/p-Xylenes	11.951	106	511228	37.518	ug/l	98
68) o-Xylene	12.274	106	250952	18.298	ug/l	99
69) Styrene	12.292	104	391226	18.104	ug/l	97
70) Isopropylbenzene	12.574	105	638520	18.407	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	218582	18.162	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	208401m	19.053	ug/l	
73) Bromobenzene	12.857	156	152646	18.793	ug/l	97
74) n-propylbenzene	12.915	91	681794	17.832	ug/l	98
75) 2-Chlorotoluene	13.004	91	433257	18.078	ug/l	100
76) 1,3,5-Trimethylbenzene	13.057	105	515064	18.706	ug/l	96
77) t-1,4-Dichloro-2-butene	12.621	75	58102	16.042	ug/l	94
78) 4-Chlorotoluene	13.104	91	397202	17.886	ug/l	98
79) tert-butylbenzene	13.315	119	460236	18.302	ug/l	94
80) 1,2,4-Trimethylbenzene	13.498	105	610380	22.850	ug/l	100
81) sec-Butylbenzene	13.498	105	610380	18.235	ug/l	98
82) p-Isopropyltoluene	13.610	119	483951	17.976	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	243027	18.327	ug/l	97
84) 1,4-Dichlorobenzene	13.692	146	235127	18.625	ug/l	99
85) n-Butylbenzene	13.939	91	336934	16.809	ug/l	97
86) Hexachloroethane	14.204	117	91721	17.889	ug/l	82
87) 1,2-Dichlorobenzene	13.986	146	248355	19.308	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	36802	15.923	ug/l	87
89) 1,2,4-Trichlorobenzene	15.256	180	101342	17.014	ug/l	98
90) Hexachlorobutadiene	15.362	225	67407	20.029	ug/l	97
91) Naphthalene	15.498	128	263862	14.153	ug/l	98
92) 1,2,3-Trichlorobenzene	15.698	180	100311	16.421	ug/l	99

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

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