

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061122\
 Data File : VN072782.D
 Acq On : 11 Jun 2022 12:28
 Operator : JC\MD
 Sample : VN0611WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 13 01:18:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Dadoda
Internal Standards							06/13/2022
1) Bromochloromethane	7.651	128	36712	30.000	ug/l	0.00	Supervised By :Mahesh Dadoda
28) 1,4-Difluorobenzene	8.963	114	224925	30.000	ug/l	# 0.00	
57) Chlorobenzene-d5	11.739	117	204034	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.434	65	133675	31.927	ug/l	0.00	06/13/2022
Spiked Amount	30.000	Range	91 - 110	Recovery	= 106.433%		
60) 4-Bromofluorobenzene	12.727	95	121087	28.854	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	= 96.167%		
63) Toluene-d8	10.439	98	352863	31.220	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	= 104.067%		
Target Compounds					Qvalue		
2) Dichlorodifluoromethane	2.069	85	54247	19.725	ug/l	99	
3) Chloromethane	2.299	50	58174	19.452	ug/l	98	
4) Vinyl Chloride	2.434	62	60444	22.415	ug/l	98	
5) Bromomethane	2.840	94	30209	21.664	ug/l	100	
6) Chloroethane	3.005	64	47324	26.321	ug/l	94	
7) Trichlorofluoromethane	3.369	101	100904	20.699	ug/l	100	
8) Diethyl Ether	3.816	74	40544	21.452	ug/l	88	
9) 1,1,2-Trichlorotrifluo...	4.216	101	56094	21.843	ug/l	78	
10) 1,1-Dichloroethene	4.175	96	47987	19.784	ug/l	92	
11) Methyl Iodide	4.416	142	42796	17.623	ug/l	90	
12) Methyl Acetate	4.846	43	109866	21.954	ug/l	# 88	
13) Acrolein	4.034	56	44369	101.284	ug/l	99	
14) Acrylonitrile	5.545	53	220519	108.103	ug/l	99	
15) Acetone	4.275	58	57255	103.664	ug/l	92	
16) Carbon Disulfide	4.522	76	101068	16.529	ug/l	99	
17) Allyl chloride	4.834	41	110463	21.081	ug/l	85	
18) Methylene Chloride	5.087	84	64618	21.217	ug/l	# 86	
19) trans-1,2-Dichloroethene	5.593	96	52843	20.132	ug/l	95	
20) Diisopropyl ether	6.492	45	243851	23.499	ug/l	96	
21) 1,1-Dichloroethane	6.381	63	125459	21.760	ug/l	99	
22) cis-1,2-Dichloroethene	7.322	96	69193	21.045	ug/l	87	
23) tert-Butyl Alcohol	5.357	59	89856	94.657	ug/l	# 100	
24) Methyl tert-Butyl Ether	5.604	73	231594m	21.469	ug/l		
25) Chloroform	7.810	83	130287	21.999	ug/l	95	
26) Cyclohexane	8.087	56	99798	20.761	ug/l	# 92	
29) 1,1-Dichloropropene	8.216	75	85258	19.885	ug/l	93	
30) 2-Butanone	7.328	43	331911	106.966	ug/l	93	
31) 2,2-Dichloropropane	7.322	77	113364	19.533	ug/l	93	
32) 1,1,1-Trichloroethane	8.004	97	112148	19.990	ug/l	94	
33) Carbon Tetrachloride	8.204	117	93881	19.405	ug/l	98	
34) Benzene	8.457	78	265994	20.970	ug/l	98	
35) Methacrylonitrile	7.634	41	70997	23.335	ug/l	88	
36) 1,2-Dichloroethane	8.528	62	112554	21.003	ug/l	99	
37) Trichloroethene	9.210	130	62400	20.406	ug/l	95	
38) Methylcyclohexane	9.457	83	104230	20.363	ug/l	93	
39) 1,2-Dichloropropane	9.486	63	74689	21.433	ug/l	98	
40) Dibromomethane	9.575	93	51158	21.385	ug/l	90	
41) Bromodichloromethane	9.757	83	107175	20.944	ug/l	98	
42) Vinyl Acetate	6.428	43	1075220	106.438	ug/l	97	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.404	43	129078	21.712	ug/l	96	06/13/2022
44) Isopropyl Acetate	8.557	43	206180	20.908	ug/l	96	Supervised By :Mahesh Dadoda
45) 1,4-Dioxane	9.563	88	34022	419.817	ug/l	92	
46) Methyl methacrylate	9.551	41	92304	20.933	ug/l	88	
47) n-amyl Acetate	12.386	43	154719	20.492	ug/l	98	
48) t-1,3-Dichloropropene	10.716	75	116840	20.004	ug/l	97	
49) cis-1,3-Dichloropropene	10.186	75	117083	19.741	ug/l	95	06/13/2022
50) 1,1,2-Trichloroethane	10.892	97	73498	21.731	ug/l	98	
51) Ethyl methacrylate	10.757	69	127042	20.737	ug/l	93	
52) 1,3-Dichloropropane	11.039	76	130738	21.721	ug/l	99	
53) Dibromochloromethane	11.233	129	75224	20.159	ug/l	99	
54) 1,2-Dibromoethane	11.339	107	73536	20.678	ug/l	95	
55) 2-Chloroethyl vinyl ether	10.039	63	271314	113.075	ug/l	97	
56) Bromoform	12.457	173	47538	18.283	ug/l #	96	
58) 4-Methyl-2-Pentanone	10.328	43	696282	113.777	ug/l	97	
59) 2-Hexanone	11.080	43	507560	109.397	ug/l	98	
61) Tetrachloroethene	10.975	164	56422	22.345	ug/l	94	
62) Toluene	10.504	91	301611	21.801	ug/l	98	
64) Chlorobenzene	11.769	112	180726	21.456	ug/l	97	
65) 1,1,1,2-Tetrachloroethane	11.839	131	69072	20.800	ug/l	99	
66) Ethyl Benzene	11.839	91	345644	21.761	ug/l	99	
67) m/p-Xylenes	11.951	106	245854	42.437	ug/l	93	
68) o-Xylene	12.274	106	125463	21.228	ug/l	96	
69) Styrene	12.292	104	191472	20.409	ug/l	94	
70) Isopropylbenzene	12.574	105	334644	21.669	ug/l	100	
71) 1,1,2,2-Tetrachloroethane	12.822	83	113234	21.661	ug/l	96	
72) 1,2,3-Trichloropropane	12.874	75	94256m	20.660	ug/l		
73) Bromobenzene	12.857	156	65370	20.822	ug/l	75	
74) n-propylbenzene	12.916	91	377201	21.345	ug/l	97	
75) 2-Chlorotoluene	13.004	91	233746	21.339	ug/l	92	
76) 1,3,5-Trimethylbenzene	13.057	105	274352	21.644	ug/l	98	
77) t-1,4-Dichloro-2-butene	12.622	75	33240	17.287	ug/l	91	
78) 4-Chlorotoluene	13.098	91	214124	20.692	ug/l	92	
79) tert-butylbenzene	13.321	119	237551	20.991	ug/l	96	
80) 1,2,4-Trimethylbenzene	13.498	105	326189	21.342	ug/l	100	
81) sec-Butylbenzene	13.498	105	326189	21.342	ug/l	99	
82) p-Isopropyltoluene	13.610	119	261336	21.420	ug/l	97	
83) 1,3-Dichlorobenzene	13.610	146	112635	20.494	ug/l	98	
84) 1,4-Dichlorobenzene	13.692	146	105584	19.785	ug/l	94	
85) n-Butylbenzene	13.939	91	215848	20.865	ug/l	98	
86) Hexachloroethane	14.210	117	50189	18.589	ug/l	89	
87) 1,2-Dichlorobenzene	13.986	146	111067	20.420	ug/l	96	
88) 1,2-Dibromo-3-Chloropr...	14.598	75	24702	18.846	ug/l	86	
89) 1,2,4-Trichlorobenzene	15.263	180	53154	19.392	ug/l	98	
90) Hexachlorobutadiene	15.368	225	25710	20.907	ug/l	97	
91) Naphthalene	15.504	128	200084	18.295	ug/l	98	
92) 1,2,3-Trichlorobenzene	15.698	180	54971	19.714	ug/l	95	

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

