

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051424\
 Data File : VN082115.D
 Acq On : 14 May 2024 14:43
 Operator : JC\MD
 Sample : VN0514WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0514WBS01

Quant Time: May 15 02:46:39 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

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

Internal Standards						05/15/2024	
1) Bromochloromethane	7.812	128	57250	30.000	ug/l	0.00	
28) 1,4-Difluorobenzene	9.106	114	322769	30.000	ug/l	0.00	
57) Chlorobenzene-d5	11.865	117	285158	30.000	ug/l	0.00	
System Monitoring Compounds						05/15/2024	
27) 1,2-Dichloroethane-d4	8.582	65	153464	32.017	ug/l		0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=		106.733%
60) 4-Bromofluorobenzene	12.847	95	133624	28.157	ug/l		0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=		93.867%
63) Toluene-d8	10.571	98	407790	30.112	ug/l		0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.367%	
Target Compounds						Qvalue	
2) Dichlorodifluoromethane	2.124	85	57173	17.593	ug/l	90	
3) Chloromethane	2.365	50	70656	18.748	ug/l	95	
4) Vinyl Chloride	2.518	62	78699	22.105	ug/l	99	
5) Bromomethane	2.965	94	45708	24.603	ug/l	91	
6) Chloroethane	3.124	64	61473	30.492	ug/l	90	
7) Trichlorofluoromethane	3.500	101	101530	19.489	ug/l	96	
8) Diethyl Ether	3.965	74	41396	16.414	ug/l	76	
9) 1,1,2-Trichlorotrifluo...	4.377	101	64012	17.903	ug/l	89	
10) 1,1-Dichloroethene	4.347	96	55737	15.932	ug/l	87	
11) Methyl Iodide	4.589	142	58607	18.340	ug/l	94	
12) Methyl Acetate	5.018	43	103153	23.065	ug/l #	70	
13) Acrolein	4.183	56	85581	91.887	ug/l	97	
14) Acrylonitrile	5.712	53	184089	92.192	ug/l #	87	
15) Acetone	4.424	58	45686m	101.451	ug/l		
16) Carbon Disulfide	4.718	76	134845	13.930	ug/l	99	
17) Allyl chloride	5.024	41	109688	17.517	ug/l	86	
18) Methylene Chloride	5.271	84	73523	18.494	ug/l	84	
19) trans-1,2-Dichloroethene	5.783	96	59815	16.426	ug/l	91	
20) Diisopropyl ether	6.671	45	284589	20.968	ug/l	92	
21) 1,1-Dichloroethane	6.571	63	145633	20.264	ug/l #	96	
22) cis-1,2-Dichloroethene	7.488	96	78980	17.759	ug/l #	83	
23) tert-Butyl Alcohol	5.512	59	70119	85.234	ug/l #	100	
24) Methyl tert-Butyl Ether	5.794	73	235209	18.670	ug/l #	83	
25) Chloroform	7.965	83	141579	20.477	ug/l	99	
26) Cyclohexane	8.259	56	109393	17.708	ug/l #	80	
29) 1,1-Dichloropropene	8.371	75	89902	18.709	ug/l	98	
30) 2-Butanone	7.483	43	280226	113.133	ug/l #	88	
31) 2,2-Dichloropropane	7.494	77	125643	25.515	ug/l	93	
32) 1,1,1-Trichloroethane	8.165	97	118886	21.512	ug/l #	92	
33) Carbon Tetrachloride	8.365	117	97058	21.640	ug/l	96	
34) Benzene	8.606	78	295413	19.270	ug/l #	93	
35) Methacrylonitrile	7.771	41	60779	19.395	ug/l	86	
36) 1,2-Dichloroethane	8.671	62	114990	22.345	ug/l #	94	
37) Trichloroethene	9.353	130	64276	17.119	ug/l	98	
38) Methylcyclohexane	9.606	83	100822	17.369	ug/l	92	
39) 1,2-Dichloropropane	9.624	63	76480	19.443	ug/l	97	
40) Dibromomethane	9.712	93	51020	20.190	ug/l	93	
41) Bromodichloromethane	9.888	83	113474	21.010	ug/l	100	
42) Vinyl Acetate	6.606	43	1052036m	99.787	ug/l		

05/15/2024
 Supervised By :Mahesh
 Padoda

05/15/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	101562	18.742	ug/l	100	05/15/2024
44) Isopropyl Acetate	8.688	43	205766	21.464	ug/l #	84	Supervised By :Mahesh Dadoda
45) 1,4-Dioxane	9.700	88	26077	339.141	ug/l #	86	
46) Methyl methacrylate	9.682	41	93082	21.250	ug/l	74	
47) n-amyl Acetate	12.494	43	176360m	20.400	ug/l		
48) t-1,3-Dichloropropene	10.841	75	113903	19.447	ug/l	99	
49) cis-1,3-Dichloropropene	10.318	75	119845	19.353	ug/l #	73	
50) 1,1,2-Trichloroethane	11.018	97	69461	20.261	ug/l	87	05/15/2024
51) Ethyl methacrylate	10.876	69	119131m	18.412	ug/l		
52) 1,3-Dichloropropane	11.165	76	125102	19.862	ug/l	98	
53) Dibromochloromethane	11.359	129	79371	21.279	ug/l	95	
54) 1,2-Dibromoethane	11.471	107	67651	19.786	ug/l	98	
55) 2-Chloroethyl vinyl ether	10.159	63	276057	85.320	ug/l	95	
56) Bromoform	12.582	173	48105	21.190	ug/l	99	
58) 4-Methyl-2-Pentanone	10.447	43	601973	108.725	ug/l #	82	
59) 2-Hexanone	11.194	43	455152	110.870	ug/l #	82	
61) Tetrachloroethene	11.106	164	63175	19.966	ug/l	95	
62) Toluene	10.629	91	321162	20.017	ug/l	94	
64) Chlorobenzene	11.894	112	193049	19.672	ug/l	95	
65) 1,1,1,2-Tetrachloroethane	11.959	131	68941	21.464	ug/l	97	
66) Ethyl Benzene	11.965	91	346320	19.692	ug/l	97	
67) m/p-Xylenes	12.070	106	254116	38.971	ug/l	98	
68) o-Xylene	12.400	106	126305	19.578	ug/l	97	
69) Styrene	12.412	104	210107	19.401	ug/l	99	
70) Isopropylbenzene	12.694	105	331469	20.230	ug/l	99	
71) 1,1,2,2-Tetrachloroethane	12.941	83	100032	21.215	ug/l	96	
72) 1,2,3-Trichloropropane	12.994	75	89160m	23.110	ug/l		
73) Bromobenzene	12.982	156	72833	20.766	ug/l	92	
74) n-propylbenzene	13.035	91	394280	20.382	ug/l	98	
75) 2-Chlorotoluene	13.129	91	234607	19.618	ug/l	98	
76) 1,3,5-Trimethylbenzene	13.176	105	263463	19.866	ug/l	98	
77) t-1,4-Dichloro-2-butene	12.741	75	35309	17.987	ug/l	76	
78) 4-Chlorotoluene	13.223	91	230387	19.665	ug/l	99	
79) tert-butylbenzene	13.441	119	233070	20.411	ug/l	100	
80) 1,2,4-Trimethylbenzene	13.482	105	265017	19.894	ug/l	98	
81) sec-Butylbenzene	13.617	105	323016	20.180	ug/l	99	
82) p-Isopropyltoluene	13.729	119	267922	21.168	ug/l	99	
83) 1,3-Dichlorobenzene	13.735	146	138000	21.851	ug/l	95	
84) 1,4-Dichlorobenzene	13.817	146	135947	21.417	ug/l	96	
85) n-Butylbenzene	14.059	91	236569	20.462	ug/l	98	
86) Hexachloroethane	14.335	117	49210	19.499	ug/l	88	
87) 1,2-Dichlorobenzene	14.106	146	135568	21.553	ug/l	97	
88) 1,2-Dibromo-3-Chloropr...	14.723	75	19013	17.970	ug/l	89	
89) 1,2,4-Trichlorobenzene	15.841	180	74178	21.417	ug/l	98	
90) Hexachlorobutadiene	15.500	225	31706	24.718	ug/l	97	
91) Naphthalene	15.641	128	239333	18.178	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.841	180	74178	21.417	ug/l	98	

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

