

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111524\
 Data File : VN084869.D
 Acq On : 15 Nov 2024 14:59
 Operator : JC\MD
 Sample : VN1115WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2024
 Supervised By : Mahesh Dadoda 11/18/2024

Quant Time: Nov 15 22:24:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	27777	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	143562	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	132133	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	66747	29.890	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.633%		
60) 4-Bromofluorobenzene	12.847	95	70609	31.035	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	103.467%		
63) Toluene-d8	10.565	98	185283	29.621	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.733%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	32686	20.232	ug/l	91
3) Chloromethane	2.359	50	38666	19.879	ug/l	98
4) Vinyl Chloride	2.512	62	38205	21.152	ug/l	95
5) Bromomethane	2.900	94	20669	22.546	ug/l	94
6) Chloroethane	3.071	64	26367	22.233	ug/l	98
7) Trichlorofluoromethane	3.477	101	59973	20.445	ug/l	98
8) Diethyl Ether	3.953	74	19853	18.974	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	33677	20.315	ug/l	95
10) 1,1-Dichloroethene	4.324	96	31038	19.173	ug/l	89
11) Methyl Iodide	4.571	142	44360	19.938	ug/l	84
12) Methyl Acetate	5.024	43	41237	16.343	ug/l	91
13) Acrolein	4.177	56	36553	117.472	ug/l	99
14) Acrylonitrile	5.718	53	80531	97.557	ug/l	97
15) Acetone	4.424	58	20069	94.620	ug/l	95
16) Carbon Disulfide	4.700	76	86729	18.208	ug/l	100
17) Allyl chloride	5.012	41	47364	17.171	ug/l	99
18) Methylene Chloride	5.271	84	36522	19.253	ug/l	95
19) trans-1,2-Dichloroethene	5.777	96	31643	18.649	ug/l	95
20) Diisopropyl ether	6.671	45	101553	18.391	ug/l	96
21) 1,1-Dichloroethane	6.559	63	61629	18.559	ug/l	95
22) cis-1,2-Dichloroethene	7.482	96	38262	18.888	ug/l	96
23) tert-Butyl Alcohol	5.541	59	26430	91.712	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	101702	19.428	ug/l	98
25) Chloroform	7.959	83	66435	19.527	ug/l	97
26) Cyclohexane	8.247	56	47352	18.668	ug/l #	96
29) 1,1-Dichloropropene	8.365	75	42918	19.848	ug/l	98
30) 2-Butanone	7.477	43	100555	100.812	ug/l	98
31) 2,2-Dichloropropane	7.488	77	57944	21.952	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	61181	20.826	ug/l	98
33) Carbon Tetrachloride	8.353	117	51647	20.603	ug/l	98
34) Benzene	8.606	78	142162	19.890	ug/l #	93
35) Methacrylonitrile	7.777	41	22520	19.050	ug/l	97
36) 1,2-Dichloroethane	8.665	62	48331	20.334	ug/l	100
37) Trichloroethene	9.347	130	31820	19.735	ug/l	95
38) Methylcyclohexane	9.594	83	44082	18.937	ug/l	97
39) 1,2-Dichloropropane	9.618	63	33278	19.342	ug/l	97
40) Dibromomethane	9.706	93	24619	20.454	ug/l	96
41) Bromodichloromethane	9.882	83	50075	19.407	ug/l	99
42) Vinyl Acetate	6.600	43	354614	95.113	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	42917	20.477	ug/l	98
44) Isopropyl Acetate	8.688	43	73627	17.348	ug/l	96
45) 1,4-Dioxane	9.700	88	11947	421.654	ug/l	93
46) Methyl methacrylate	9.676	41	32421	19.010	ug/l	90
47) n-amyl Acetate	12.494	43	59136	18.657	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	49378	19.380	ug/l	97
49) cis-1,3-Dichloropropene	10.306	75	55708	20.401	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	34274	21.229	ug/l	96
51) Ethyl methacrylate	10.871	69	49829	20.023	ug/l	94
52) 1,3-Dichloropropane	11.159	76	55741	19.891	ug/l	98
53) Dibromochloromethane	11.359	129	38777	20.524	ug/l	96
54) 1,2-Dibromoethane	11.465	107	34963	21.412	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	118346	96.998	ug/l	99
56) Bromoform	12.576	173	26958	21.287	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	214726	103.008	ug/l	98
59) 2-Hexanone	11.194	43	158511	103.844	ug/l	98
61) Tetrachloroethene	11.100	164	29049	21.006	ug/l	98
62) Toluene	10.623	91	151208	20.092	ug/l	98
64) Chlorobenzene	11.888	112	90954	20.020	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	35740	21.405	ug/l	97
66) Ethyl Benzene	11.965	91	153019	19.347	ug/l	96
67) m/p-Xylenes	12.070	106	122503	40.456	ug/l	99
68) o-Xylene	12.400	106	57915	19.828	ug/l	98
69) Styrene	12.412	104	100487	20.518	ug/l	98
70) Isopropylbenzene	12.694	105	144485	19.912	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	50122	21.312	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	45853m	22.833	ug/l	
73) Bromobenzene	12.982	156	38814	20.740	ug/l	98
74) n-propylbenzene	13.035	91	173358	20.432	ug/l	99
75) 2-Chlorotoluene	13.123	91	114083	20.647	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	128489	20.725	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	16818	20.419	ug/l	90
78) 4-Chlorotoluene	13.217	91	113835	20.391	ug/l	99
79) tert-butylbenzene	13.435	119	103008	20.092	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	131357	21.002	ug/l	98
81) sec-Butylbenzene	13.611	105	143056	20.250	ug/l	98
82) p-Isopropyltoluene	13.729	119	121558	20.478	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	70929	20.493	ug/l	97
84) 1,4-Dichlorobenzene	13.811	146	71089	20.786	ug/l	98
85) n-Butylbenzene	14.053	91	98151	19.687	ug/l	98
86) Hexachloroethane	14.335	117	23621	19.457	ug/l	94
87) 1,2-Dichlorobenzene	14.106	146	71901	21.082	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9680	21.331	ug/l	96
89) 1,2,4-Trichlorobenzene	15.841	180	33559	20.209	ug/l	97
90) Hexachlorobutadiene	15.500	225	16226	22.369	ug/l	97
91) Naphthalene	15.641	128	101921	19.218	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	33559	20.209	ug/l	97

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

