

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
 Data File : VN085023.D
 Acq On : 25 Nov 2024 11:35
 Operator : JC\MD
 Sample : VN1125WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/26/2024

Quant Time: Nov 25 15:13:31 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	29961	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	160469	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	146596	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	71402	29.643	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.800%		
60) 4-Bromofluorobenzene	12.847	95	74681	29.587	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.633%		
63) Toluene-d8	10.565	98	205001	29.540	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.467%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	34082	19.558	ug/l	95
3) Chloromethane	2.359	50	35256	16.804	ug/l	95
4) Vinyl Chloride	2.512	62	35295	18.117	ug/l	98
5) Bromomethane	2.906	94	18639	18.849	ug/l	98
6) Chloroethane	3.089	64	24033	18.788	ug/l	91
7) Trichlorofluoromethane	3.483	101	61482	19.432	ug/l	94
8) Diethyl Ether	3.953	74	20462	18.131	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	34113	19.078	ug/l	95
10) 1,1-Dichloroethene	4.330	96	32368	18.538	ug/l	98
11) Methyl Iodide	4.583	142	45720	19.051	ug/l	89
12) Methyl Acetate	5.018	43	41714	15.327	ug/l	98
13) Acrolein	4.177	56	31350	93.406	ug/l	99
14) Acrylonitrile	5.712	53	77017	86.499	ug/l	97
15) Acetone	4.424	58	21379	93.449	ug/l	97
16) Carbon Disulfide	4.706	76	88793	17.283	ug/l #	92
17) Allyl chloride	5.012	41	50790	17.071	ug/l	93
18) Methylene Chloride	5.259	84	36094	17.640	ug/l	98
19) trans-1,2-Dichloroethene	5.777	96	32853	17.951	ug/l	91
20) Diisopropyl ether	6.659	45	105558	17.723	ug/l	97
21) 1,1-Dichloroethane	6.559	63	63877	17.833	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	39067	17.879	ug/l	97
23) tert-Butyl Alcohol	5.530	59	25750m	82.839	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	102293	18.116	ug/l	100
25) Chloroform	7.959	83	67648	18.434	ug/l	93
26) Cyclohexane	8.253	56	50507	18.460	ug/l #	99
29) 1,1-Dichloropropene	8.365	75	43997	18.203	ug/l	99
30) 2-Butanone	7.477	43	101555	91.087	ug/l	99
31) 2,2-Dichloropropane	7.488	77	60913	20.646	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	62400	19.003	ug/l	100
33) Carbon Tetrachloride	8.353	117	54308	19.382	ug/l	99
34) Benzene	8.600	78	146678	18.360	ug/l	95
35) Methacrylonitrile	7.771	41	23022	17.422	ug/l	92
36) 1,2-Dichloroethane	8.665	62	48933	18.418	ug/l	98
37) Trichloroethene	9.347	130	33960	18.843	ug/l	98
38) Methylcyclohexane	9.594	83	48217	18.531	ug/l	98
39) 1,2-Dichloropropane	9.618	63	35976	18.707	ug/l	95
40) Dibromomethane	9.700	93	25048	18.618	ug/l	97
41) Bromodichloromethane	9.882	83	52574	18.229	ug/l	97
42) Vinyl Acetate	6.600	43	372968	89.496	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	40174	17.148	ug/l	96
44) Isopropyl Acetate	8.682	43	66633	14.046	ug/l #	89
45) 1,4-Dioxane	9.700	88	10863	343.001	ug/l #	89
46) Methyl methacrylate	9.676	41	30794	16.153	ug/l	90
47) n-amyl Acetate	12.494	43	57997	16.370	ug/l	100
48) t-1,3-Dichloropropene	10.829	75	49833	17.498	ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	55413	18.155	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	33677	18.662	ug/l	94
51) Ethyl methacrylate	10.871	69	46868	16.849	ug/l	94
52) 1,3-Dichloropropane	11.159	76	56750	18.117	ug/l	100
53) Dibromochloromethane	11.353	129	38484	18.223	ug/l	100
54) 1,2-Dibromoethane	11.465	107	32108	17.591	ug/l	93
55) 2-Chloroethyl vinyl ether	10.159	63	124090	90.990	ug/l	99
56) Bromoform	12.576	173	25179	17.787	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	197975	85.603	ug/l	99
59) 2-Hexanone	11.194	43	149022	87.995	ug/l	99
61) Tetrachloroethene	11.100	164	29382	19.151	ug/l	95
62) Toluene	10.629	91	152334	18.245	ug/l	99
64) Chlorobenzene	11.888	112	92928	18.436	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	35009	18.899	ug/l	98
66) Ethyl Benzene	11.959	91	156771	17.866	ug/l	100
67) m/p-Xylenes	12.070	106	122175	36.367	ug/l	100
68) o-Xylene	12.394	106	57781	17.830	ug/l	95
69) Styrene	12.406	104	96179	17.701	ug/l	97
70) Isopropylbenzene	12.694	105	146732	18.227	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	48357	18.533	ug/l	94
72) 1,2,3-Trichloropropane	12.994	75	30666m	13.764	ug/l	
73) Bromobenzene	12.976	156	37591	18.105	ug/l	98
74) n-propylbenzene	13.035	91	174209	18.506	ug/l	98
75) 2-Chlorotoluene	13.123	91	111706	18.222	ug/l	96
76) 1,3,5-Trimethylbenzene	13.170	105	128466	18.677	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	16073	17.589	ug/l	92
78) 4-Chlorotoluene	13.217	91	112704	18.196	ug/l	99
79) tert-butylbenzene	13.435	119	106667	18.753	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	130700	18.835	ug/l	98
81) sec-Butylbenzene	13.612	105	148820	18.987	ug/l	100
82) p-Isopropyltoluene	13.729	119	123086	18.690	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	71925	18.731	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	68294	17.999	ug/l	98
85) n-Butylbenzene	14.053	91	103219	18.661	ug/l	99
86) Hexachloroethane	14.329	117	25295	18.780	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	68646	18.142	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9178	18.230	ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	33344	18.098	ug/l	94
90) Hexachlorobutadiene	15.500	225	17640	21.919	ug/l	95
91) Naphthalene	15.635	128	94098	15.993	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	33344	18.098	ug/l	94

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

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