

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
 Data File : VN083706.D
 Acq On : 09 Sep 2024 08:57
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/10/2024

Supervised By :Mahesh Dadoda 09/10/2024

Supervised By :Mahesh

Dadoda

09/10/2024

Quant Time: Sep 10 01:14:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	29901	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	176779	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	156716	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	83052	30.387	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.300%			
60) 4-Bromofluorobenzene	12.847	95	82449	30.526	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.767%			
63) Toluene-d8	10.565	98	223252	30.766	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.567%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	38084	19.019	ug/l	99
3) Chloromethane	2.359	50	41028	19.720	ug/l	97
4) Vinyl Chloride	2.512	62	41290	19.305	ug/l	93
5) Bromomethane	2.906	94	22149	18.535	ug/l	96
6) Chloroethane	3.083	64	31289	21.846	ug/l	98
7) Trichlorofluoromethane	3.471	101	68585	19.127	ug/l	99
8) Diethyl Ether	3.959	74	24246	19.900	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.359	101	36605m	19.005	ug/l	
10) 1,1-Dichloroethene	4.330	96	34892	18.775	ug/l	86
11) Methyl Iodide	4.577	142	47213m	18.703	ug/l	
12) Methyl Acetate	5.018	43	43298	19.319	ug/l #	84
13) Acrolein	4.171	56	35907	109.778	ug/l	100
14) Acrylonitrile	5.712	53	94104	103.754	ug/l	99
15) Acetone	4.436	58	35532	118.098	ug/l	92
16) Carbon Disulfide	4.700	76	96107	18.299	ug/l	100
17) Allyl chloride	5.012	41	63286	19.419	ug/l	88
18) Methylene Chloride	5.265	84	39672	19.512	ug/l	89
19) trans-1,2-Dichloroethene	5.777	96	35747	18.559	ug/l	90
20) Diisopropyl ether	6.665	45	124845	18.969	ug/l	96
21) 1,1-Dichloroethane	6.559	63	72208	19.216	ug/l	96
22) cis-1,2-Dichloroethene	7.477	96	44516	18.989	ug/l	90
23) tert-Butyl Alcohol	5.536	59	36610	109.997	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	129074	19.544	ug/l #	87
25) Chloroform	7.965	83	75687	19.007	ug/l	97
26) Cyclohexane	8.253	56	62003	18.735	ug/l #	88
29) 1,1-Dichloropropene	8.365	75	52261	18.638	ug/l	97
30) 2-Butanone	7.482	43	143941	108.902	ug/l	94
31) 2,2-Dichloropropane	7.488	77	69649	19.483	ug/l #	74
32) 1,1,1-Trichloroethane	8.171	97	71346	19.053	ug/l	97
33) Carbon Tetrachloride	8.359	117	61119	18.847	ug/l	97
34) Benzene	8.606	78	158704	18.864	ug/l	98
35) Methacrylonitrile	7.777	41	27914	18.787	ug/l	89
36) 1,2-Dichloroethane	8.671	62	60679	19.185	ug/l	95
37) Trichloroethene	9.347	130	36905	18.680	ug/l	93
38) Methylcyclohexane	9.600	83	61515	18.325	ug/l	96
39) 1,2-Dichloropropane	9.623	63	39075	19.298	ug/l	96
40) Dibromomethane	9.706	93	27867	18.822	ug/l	96
41) Bromodichloromethane	9.882	83	60049	19.073	ug/l	99
42) Vinyl Acetate	6.594	43	488870	89.959	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	55482	20.855	ug/l	100
44) Isopropyl Acetate	8.688	43	93405	20.299	ug/l	91
45) 1,4-Dioxane	9.694	88	15561	433.581	ug/l #	92
46) Methyl methacrylate	9.676	41	44628	20.038	ug/l	77
47) n-amyl Acetate	12.494	43	79859	19.593	ug/l	90
48) t-1,3-Dichloropropene	10.835	75	60272	18.200	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	64409	18.702	ug/l #	84
50) 1,1,2-Trichloroethane	11.018	97	37367	19.835	ug/l	96
51) Ethyl methacrylate	10.876	69	61944	19.246	ug/l	83
52) 1,3-Dichloropropane	11.159	76	64754	19.033	ug/l	96
53) Dibromochloromethane	11.359	129	43421	19.216	ug/l	98
54) 1,2-Dibromoethane	11.470	107	36980	18.974	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	137269	107.016	ug/l	99
56) Bromoform	12.576	173	27115	18.888	ug/l #	97
58) 4-Methyl-2-Pentanone	10.441	43	265314	106.770	ug/l #	88
59) 2-Hexanone	11.194	43	202111	107.641	ug/l	89
61) Tetrachloroethene	11.100	164	31929	19.251	ug/l	91
62) Toluene	10.629	91	170699	18.950	ug/l	99
64) Chlorobenzene	11.894	112	105745	18.961	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.959	131	38339	19.734	ug/l	99
66) Ethyl Benzene	11.965	91	188510	18.403	ug/l	98
67) m/p-Xylenes	12.070	106	141462	37.536	ug/l	99
68) o-Xylene	12.400	106	68923	18.896	ug/l	97
69) Styrene	12.412	104	110730	17.967	ug/l	97
70) Isopropylbenzene	12.694	105	179225	18.620	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	52680	20.038	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	46294m	20.084	ug/l	
73) Bromobenzene	12.982	156	40749	18.431	ug/l	94
74) n-propylbenzene	13.035	91	201798	17.909	ug/l	99
75) 2-Chlorotoluene	13.123	91	130171	18.510	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	151739	18.872	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	19214	19.721	ug/l	92
78) 4-Chlorotoluene	13.223	91	124849	17.506	ug/l	99
79) tert-butylbenzene	13.441	119	134556	19.138	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	150807	18.560	ug/l	100
81) sec-Butylbenzene	13.617	105	172200	17.928	ug/l	100
82) p-Isopropyltoluene	13.729	119	146044	18.072	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	74259	17.451	ug/l	98
84) 1,4-Dichlorobenzene	13.811	146	72920	17.141	ug/l	98
85) n-Butylbenzene	14.053	91	123241	17.282	ug/l	98
86) Hexachloroethane	14.335	117	28763	18.782	ug/l	89
87) 1,2-Dichlorobenzene	14.106	146	74800	18.113	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12068	20.888	ug/l	89
89) 1,2,4-Trichlorobenzene	15.841	180	38107	16.843	ug/l	99
90) Hexachlorobutadiene	15.500	225	17487	18.674	ug/l	97
91) Naphthalene	15.641	128	126878	17.154	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	38107	16.843	ug/l	99

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

