

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041124\
 Data File : VN081693.D
 Acq On : 11 Apr 2024 12:28
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2024

Supervised By :Mahesh Dadoda 04/12/2024

Quant Time: Apr 12 05:59:10 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Thu Apr 11 09:25:01 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	24516	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	170109	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	228839	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	100290	33.299	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 111.000%#			
60) 4-Bromofluorobenzene	12.853	95	140973	31.334	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 104.433%			
63) Toluene-d8	10.571	98	285074	31.056	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.533%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	63688	18.592	ug/l	98
3) Chloromethane	2.359	50	73652	24.781	ug/l	100
4) Vinyl Chloride	2.518	62	61389	20.087	ug/l	98
5) Bromomethane	2.959	94	53490	20.667	ug/l	94
6) Chloroethane	3.124	64	57280	23.947	ug/l	99
7) Trichlorofluoromethane	3.500	101	117823	23.483	ug/l	94
8) Diethyl Ether	3.959	74	35098	18.755	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	68875	20.008	ug/l	95
10) 1,1-Dichloroethene	4.342	96	61633	19.523	ug/l #	94
11) Methyl Iodide	4.589	142	63074	17.642	ug/l	90
12) Methyl Acetate	5.024	43	62573	21.585	ug/l	90
13) Acrolein	4.189	56	41239m	108.015	ug/l	
14) Acrylonitrile	5.724	53	154640	107.167	ug/l	100
15) Acetone	4.436	58	33437m	105.357	ug/l	
16) Carbon Disulfide	4.712	76	172044	19.165	ug/l	98
17) Allyl chloride	5.018	41	70857	18.554	ug/l	91
18) Methylene Chloride	5.271	84	75311	20.717	ug/l #	90
19) trans-1,2-Dichloroethene	5.783	96	68461	19.775	ug/l	94
20) Diisopropyl ether	6.671	45	185006	20.348	ug/l	95
21) 1,1-Dichloroethane	6.565	63	125466	20.697	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	78795	18.848	ug/l	99
23) tert-Butyl Alcohol	5.524	59	55643	108.626	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	197279	19.980	ug/l #	89
25) Chloroform	7.971	83	145237	21.057	ug/l	94
26) Cyclohexane	8.259	56	91703	18.870	ug/l #	88
29) 1,1-Dichloropropene	8.371	75	92210	20.619	ug/l	98
30) 2-Butanone	7.488	43	194512	113.885	ug/l	98
31) 2,2-Dichloropropane	7.488	77	116746	20.958	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	130187	21.122	ug/l	99
33) Carbon Tetrachloride	8.365	117	116840	20.913	ug/l	91
34) Benzene	8.606	78	303254	21.050	ug/l	98
35) Methacrylonitrile	7.777	41	43288	22.376	ug/l	95
36) 1,2-Dichloroethane	8.671	62	102782	21.751	ug/l	99
37) Trichloroethene	9.353	130	76411	20.043	ug/l	92
38) Methylcyclohexane	9.606	83	99636	18.228	ug/l	98
39) 1,2-Dichloropropane	9.624	63	72749	21.645	ug/l	99
40) Dibromomethane	9.706	93	55689	20.801	ug/l	95
41) Bromodichloromethane	9.894	83	115461	21.149	ug/l	96
42) Vinyl Acetate	6.606	43	747038	104.994	ug/l	98

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QLast Update : Thu Apr 11 09:25:01 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	80154	21.294	ug/l	97
44) Isopropyl Acetate	8.688	43	136882	21.703	ug/l	95
45) 1,4-Dioxane	9.700	88	32263	463.390	ug/l	92
46) Methyl methacrylate	9.682	41	58519	20.632	ug/l	83
47) n-amyl Acetate	12.494	43	115770	20.456	ug/l	97
48) t-1,3-Dichloropropene	10.841	75	105448	20.273	ug/l	99
49) cis-1,3-Dichloropropene	10.318	75	114109	20.372	ug/l	93
50) 1,1,2-Trichloroethane	11.018	97	74200	20.698	ug/l	95
51) Ethyl methacrylate	10.876	69	96228	19.278	ug/l	85
52) 1,3-Dichloropropane	11.165	76	123247	20.975	ug/l	98
53) Dibromochloromethane	11.359	129	86820	20.274	ug/l	98
54) 1,2-Dibromoethane	11.470	107	79050	21.333	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	265014	108.117	ug/l	98
56) Bromoform	12.582	173	57683	21.066	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	442373	112.410	ug/l	93
59) 2-Hexanone	11.200	43	341588	115.578	ug/l	93
61) Tetrachloroethene	11.106	164	82929	19.557	ug/l	94
62) Toluene	10.629	91	338856	20.354	ug/l	99
64) Chlorobenzene	11.894	112	207695	19.674	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.959	131	77701	20.262	ug/l	97
66) Ethyl Benzene	11.965	91	344430	19.458	ug/l	99
67) m/p-Xylenes	12.070	106	276833	39.483	ug/l	95
68) o-Xylene	12.400	106	127046	19.087	ug/l	100
69) Styrene	12.412	104	222591	19.636	ug/l	96
70) Isopropylbenzene	12.700	105	335590	19.543	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	99091	22.090	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	99774m	24.025	ug/l	
73) Bromobenzene	12.982	156	86541	20.339	ug/l	94
74) n-propylbenzene	13.035	91	407395	19.820	ug/l	99
75) 2-Chlorotoluene	13.123	91	251124	20.507	ug/l	93
76) 1,3,5-Trimethylbenzene	13.176	105	294171	20.183	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	35010	20.357	ug/l	98
78) 4-Chlorotoluene	13.223	91	256793	21.142	ug/l	97
79) tert-butylbenzene	13.441	119	243804	19.662	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	294977	20.294	ug/l	95
81) sec-Butylbenzene	13.617	105	358005	20.020	ug/l	100
82) p-Isopropyltoluene	13.735	119	296905	19.797	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	172939	21.748	ug/l	96
84) 1,4-Dichlorobenzene	13.812	146	164365	21.352	ug/l	98
85) n-Butylbenzene	14.059	91	249353	19.739	ug/l	98
86) Hexachloroethane	14.335	117	59156	20.646	ug/l	86
87) 1,2-Dichlorobenzene	14.111	146	166662	22.018	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	22807	23.323	ug/l	95
89) 1,2,4-Trichlorobenzene	15.847	180	81845	19.727	ug/l	98
90) Hexachlorobutadiene	15.506	225	36893	22.190	ug/l	95
91) Naphthalene	15.641	128	264462	19.827	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	81845	19.727	ug/l	98

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

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