

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112724\
 Data File : VN085052.D
 Acq On : 27 Nov 2024 11:44
 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 12/02/2024
 Supervised By : Mahesh Dadoda 12/02/2024

Quant Time: Nov 28 05:29:59 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	7.812	128	28768	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	155364	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	140160	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	68683	29.697	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.000%		
60) 4-Bromofluorobenzene	12.847	95	69898	28.963	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.533%		
63) Toluene-d8	10.559	98	194573	29.324	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.733%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	32108	19.189	ug/l	92
3) Chloromethane	2.360	50	36305	18.022	ug/l	99
4) Vinyl Chloride	2.512	62	34247	18.308	ug/l	93
5) Bromomethane	2.907	94	20454	21.543	ug/l	99
6) Chloroethane	3.095	64	22115	18.006	ug/l	95
7) Trichlorofluoromethane	3.483	101	60605	19.949	ug/l	100
8) Diethyl Ether	3.954	74	20120	18.567	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	34854m	20.301	ug/l	
10) 1,1-Dichloroethene	4.336	96	31686	18.900	ug/l	84
11) Methyl Iodide	4.577	142	44759	19.424	ug/l	93
12) Methyl Acetate	5.012	43	39912	15.273	ug/l	97
13) Acrolein	4.171	56	26026	80.759	ug/l	99
14) Acrylonitrile	5.706	53	70252	82.173	ug/l	98
15) Acetone	4.430	58	19905	90.614	ug/l	80
16) Carbon Disulfide	4.706	76	87074	17.651	ug/l #	94
17) Allyl chloride	5.018	41	47007	16.455	ug/l	98
18) Methylene Chloride	5.277	84	35804m	18.224	ug/l	
19) trans-1,2-Dichloroethene	5.783	96	33359	18.983	ug/l	96
20) Diisopropyl ether	6.659	45	106175	18.566	ug/l	97
21) 1,1-Dichloroethane	6.559	63	63087	18.343	ug/l	98
22) cis-1,2-Dichloroethene	7.477	96	39150	18.660	ug/l	94
23) tert-Butyl Alcohol	5.530	59	22129	74.143	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	98204	18.113	ug/l	99
25) Chloroform	7.959	83	67090	19.040	ug/l	94
26) Cyclohexane	8.247	56	47100	17.929	ug/l #	96
29) 1,1-Dichloropropene	8.365	75	43484	18.582	ug/l	98
30) 2-Butanone	7.477	43	92302	85.508	ug/l	99
31) 2,2-Dichloropropane	7.483	77	59687	20.895	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	61002	19.188	ug/l	99
33) Carbon Tetrachloride	8.353	117	52364	19.302	ug/l	99
34) Benzene	8.600	78	140743	18.196	ug/l	96
35) Methacrylonitrile	7.777	41	23218	18.148	ug/l	95
36) 1,2-Dichloroethane	8.665	62	48214	18.744	ug/l	100
37) Trichloroethene	9.347	130	32956	18.887	ug/l	98
38) Methylcyclohexane	9.594	83	45352	18.003	ug/l	97
39) 1,2-Dichloropropane	9.618	63	34717	18.645	ug/l	100
40) Dibromomethane	9.706	93	23524	18.060	ug/l	98
41) Bromodichloromethane	9.883	83	51250	18.353	ug/l	100
42) Vinyl Acetate	6.595	43	353293	87.561	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	36167	15.945	ug/l	100
44) Isopropyl Acetate	8.683	43	73039	15.903	ug/l	99
45) 1,4-Dioxane	9.694	88	9606	313.277	ug/l #	70
46) Methyl methacrylate	9.677	41	30198	16.361	ug/l	96
47) n-amyl Acetate	12.488	43	53926	15.721	ug/l	98
48) t-1,3-Dichloropropene	10.830	75	50213	18.211	ug/l	96
49) cis-1,3-Dichloropropene	10.306	75	55495	18.779	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	32725	18.730	ug/l	95
51) Ethyl methacrylate	10.871	69	45017	16.715	ug/l	96
52) 1,3-Dichloropropane	11.159	76	54569	17.993	ug/l	99
53) Dibromochloromethane	11.353	129	38954	19.052	ug/l	98
54) 1,2-Dibromoethane	11.465	107	31988	18.102	ug/l	97
55) 2-Chloroethyl vinyl ether	10.153	63	109569	82.982	ug/l	99
56) Bromoform	12.576	173	24443	17.835	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	186087	84.157	ug/l	99
59) 2-Hexanone	11.194	43	135441	83.648	ug/l	99
61) Tetrachloroethene	11.100	164	28161	19.198	ug/l	96
62) Toluene	10.624	91	148738	18.632	ug/l	98
64) Chlorobenzene	11.888	112	92200	19.132	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	34478	19.467	ug/l	100
66) Ethyl Benzene	11.959	91	151524	18.061	ug/l	97
67) m/p-Xylenes	12.071	106	118829	36.996	ug/l	99
68) o-Xylene	12.394	106	57067	18.418	ug/l	99
69) Styrene	12.406	104	96817	18.636	ug/l	99
70) Isopropylbenzene	12.694	105	143806	18.684	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	44600	17.878	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	39678m	18.626	ug/l	
73) Bromobenzene	12.976	156	38185	19.235	ug/l	98
74) n-propylbenzene	13.029	91	169659	18.850	ug/l	100
75) 2-Chlorotoluene	13.124	91	111064	18.949	ug/l	97
76) 1,3,5-Trimethylbenzene	13.171	105	126463	19.230	ug/l	99
77) t-1,4-Dichloro-2-butene	12.729	75	14332	16.404	ug/l	92
78) 4-Chlorotoluene	13.218	91	112705	19.032	ug/l	99
79) tert-butylbenzene	13.435	119	103660	19.061	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	128927	19.433	ug/l	97
81) sec-Butylbenzene	13.612	105	145710	19.444	ug/l	99
82) p-Isopropyltoluene	13.723	119	121657	19.321	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	69442	18.914	ug/l	97
84) 1,4-Dichlorobenzene	13.806	146	69922	19.274	ug/l	97
85) n-Butylbenzene	14.053	91	100159	18.939	ug/l	98
86) Hexachloroethane	14.329	117	24888	19.327	ug/l	100
87) 1,2-Dichlorobenzene	14.100	146	66779	18.458	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.718	75	7992	16.603	ug/l	96
89) 1,2,4-Trichlorobenzene	15.835	180	34063	19.337	ug/l	97
90) Hexachlorobutadiene	15.500	225	16934	22.008	ug/l	94
91) Naphthalene	15.641	128	94116	16.730	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	34063	19.337	ug/l	97

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

