

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
 Data File : VX043006.D
 Acq On : 13 Aug 2024 10:49
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Quant Time: Aug 13 13:12:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:10:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.898	128	32578	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	196930	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	174786	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	77323	26.391	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	87.967%#
60) 4-Bromofluorobenzene	11.079	95	86712	30.291	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.967%
63) Toluene-d8	8.647	98	244873	30.898	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	35585	18.805	ug/l	94
3) Chloromethane	1.294	50	52696	26.727	ug/l	99
4) Vinyl Chloride	1.374	62	49020	24.334	ug/l	98
5) Bromomethane	1.599	94	12107	11.572	ug/l	98
6) Chloroethane	1.666	64	12990	12.645	ug/l	91
7) Trichlorofluoromethane	1.868	101	48849	17.163	ug/l	98
8) Diethyl Ether	2.136	74	22418	19.121	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	41232	20.056	ug/l	93
10) 1,1-Dichloroethene	2.307	96	43760	21.729	ug/l	99
11) Methyl Iodide	2.447	142	46686	23.832	ug/l	91
12) Methyl Acetate	2.709	43	79546	19.296	ug/l	98
13) Acrolein	2.239	56	60627	266.528	ug/l	92
14) Acrylonitrile	3.069	53	148064	110.464	ug/l	98
15) Acetone	2.392	58	44640	104.001	ug/l	81
16) Carbon Disulfide	2.502	76	123662	27.338	ug/l	98
17) Allyl chloride	2.660	41	88865	26.249	ug/l	93
18) Methylene Chloride	2.788	84	50745	21.667	ug/l	97
19) trans-1,2-Dichloroethene	3.087	96	43758	21.543	ug/l	97
20) Diisopropyl ether	3.764	45	169760	23.515	ug/l	96
21) 1,1-Dichloroethane	3.605	63	87163	21.724	ug/l	97
22) cis-1,2-Dichloroethene	4.489	96	54199	21.175	ug/l	99
23) tert-Butyl Alcohol	2.995	59	66042	107.283	ug/l	100
24) Methyl tert-Butyl Ether	3.117	73	149928	20.821	ug/l	98
25) Chloroform	5.093	83	80225	19.011	ug/l	95
26) Cyclohexane	5.464	56	79110	23.956	ug/l #	95
29) 1,1-Dichloropropene	5.690	75	57451	21.936	ug/l	98
30) 2-Butanone	4.568	43	212846	110.502	ug/l	99
31) 2,2-Dichloropropane	4.471	77	72242	23.250	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	69237	19.639	ug/l	98
33) Carbon Tetrachloride	5.672	117	56041	18.815	ug/l	97
34) Benzene	6.038	78	191517	22.614	ug/l	96
35) Methacrylonitrile	4.928	41	43640	23.588	ug/l	95
36) 1,2-Dichloroethane	6.086	62	58668	19.594	ug/l #	92
37) Trichloroethene	7.123	130	43124	20.642	ug/l	99
38) Methylcyclohexane	7.379	83	79062	23.681	ug/l	97
39) 1,2-Dichloropropane	7.428	63	47943	22.347	ug/l	98
40) Dibromomethane	7.580	93	31814	20.230	ug/l	95
41) Bromodichloromethane	7.824	83	63117	20.195	ug/l	99
42) Vinyl Acetate	3.721	43	988065	154.723	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	76338	23.186	ug/l	100
44) Isopropyl Acetate	6.342	43	131576	24.534	ug/l	96
45) 1,4-Dioxane	7.671	88	25569	466.310	ug/l #	93
46) Methyl methacrylate	7.696	41	59851	22.925	ug/l	95
47) n-amyl Acetate	10.842	43	112893	24.356	ug/l	95
48) t-1,3-Dichloropropene	8.982	75	70572	22.847	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	77329	23.040	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	44193	20.565	ug/l	98
51) Ethyl methacrylate	9.116	69	84546	23.086	ug/l	97
52) 1,3-Dichloropropane	9.305	76	78161	21.810	ug/l	99
53) Dibromochloromethane	9.519	129	47413	19.153	ug/l	100
54) 1,2-Dibromoethane	9.610	107	46057	20.579	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	199879	117.942	ug/l	99
56) Bromoform	10.799	173	33008	18.672	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	405504	118.245	ug/l	99
59) 2-Hexanone	9.433	43	318802	117.271	ug/l	99
61) Tetrachloroethene	9.275	164	35812	20.503	ug/l	98
62) Toluene	8.720	91	195706	22.183	ug/l	98
64) Chlorobenzene	10.079	112	119341	21.381	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	39798	19.971	ug/l	96
66) Ethyl Benzene	10.195	91	212289	21.773	ug/l	97
67) m/p-Xylenes	10.299	106	160057	43.428	ug/l	97
68) o-Xylene	10.640	106	80168	22.006	ug/l	100
69) Styrene	10.653	104	133755	21.408	ug/l	98
70) Isopropylbenzene	10.963	105	199023	21.035	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	73308	21.373	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	59978m	19.420	ug/l	
73) Bromobenzene	11.195	156	45011	19.042	ug/l	88
74) n-propylbenzene	11.305	91	230094	20.816	ug/l	99
75) 2-Chlorotoluene	11.366	91	143287	21.076	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	163775	20.440	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	28404	26.323	ug/l	91
78) 4-Chlorotoluene	11.457	91	155707	20.161	ug/l	99
79) tert-butylbenzene	11.713	119	165471	20.174	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	164260	20.695	ug/l	98
81) sec-Butylbenzene	11.890	105	203528	20.291	ug/l	100
82) p-Isopropyltoluene	12.006	119	165760	19.836	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	81025	18.724	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	81465	18.731	ug/l	97
85) n-Butylbenzene	12.329	91	143077	19.137	ug/l	98
86) Hexachloroethane	12.536	117	34023	21.808	ug/l	86
87) 1,2-Dichlorobenzene	12.335	146	82914	19.100	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.939	75	16152	20.711	ug/l	96
89) 1,2,4-Trichlorobenzene	13.585	180	46032	16.755	ug/l	96
90) Hexachlorobutadiene	13.725	225	17317	14.886	ug/l	97
91) Naphthalene	13.774	128	186486	19.448	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	47674	17.163	ug/l	98

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

