

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071423\
 Data File : VX036529.D
 Acq On : 13 Jul 2023 16:07
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 14 04:36:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	30713	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	162090	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	148451	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	76090	29.850	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.500%
60) 4-Bromofluorobenzene	11.079	95	68833	28.585	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.267%
63) Toluene-d8	8.653	98	201564	29.507	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.367%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	844	0.492	ug/l	94
3) Chloromethane	1.301	50	957	0.408	ug/l #	75
4) Vinyl Chloride	1.374	62	1056	0.436	ug/l #	86
5) Bromomethane	1.611	94	1535	0.619	ug/l	93
7) Trichlorofluoromethane	1.886	101	2429	0.618	ug/l	88
8) Diethyl Ether	2.130	74	362	0.222	ug/l	66
9) 1,1,2-Trichlorotrifluo...	2.331	101	1014	0.570	ug/l	97
10) 1,1-Dichloroethene	2.319	96	1067	0.594	ug/l	94
11) Methyl Iodide	2.453	142	1156	0.564	ug/l	96
12) Methyl Acetate	2.709	43	1680	0.398	ug/l #	85
13) Acrolein	2.239	56	1003	2.894	ug/l	85
14) Acrylonitrile	3.075	53	2637	2.227	ug/l	96
15) Acetone	2.380	58	675	2.013	ug/l #	46
16) Carbon Disulfide	2.508	76	9371	2.149	ug/l	98
17) Allyl chloride	2.666	41	1147	0.360	ug/l	95
18) Methylene Chloride	2.782	84	860	0.397	ug/l #	84
19) trans-1,2-Dichloroethene	3.093	96	2161	1.100	ug/l #	84
21) 1,1-Dichloroethane	3.611	63	923	0.244	ug/l #	83
23) tert-Butyl Alcohol	2.977	59	685	1.246	ug/l #	1
24) Methyl tert-Butyl Ether	3.117	73	1401	0.214	ug/l #	88
29) 1,1-Dichloropropene	5.702	75	2463	1.008	ug/l	80
30) 2-Butanone	4.587	43	2249	1.461	ug/l #	91
32) 1,1,1-Trichloroethane	5.391	97	646	0.222	ug/l #	35
33) Carbon Tetrachloride	5.690	117	963	0.389	ug/l #	65
35) Methacrylonitrile	4.928	41	322	0.202	ug/l #	50
37) Trichloroethene	7.123	130	1949	0.983	ug/l #	74
38) Methylcyclohexane	7.379	83	1858	0.653	ug/l #	83
39) 1,2-Dichloropropane	7.434	63	413	0.202	ug/l	99
40) Dibromomethane	7.592	93	863	0.583	ug/l	93
42) Vinyl Acetate	3.727	43	5399	1.161	ug/l	96
44) Isopropyl Acetate	6.342	43	1072	0.224	ug/l #	81
45) 1,4-Dioxane	7.690	88	305	5.624	ug/l #	1
46) Methyl methacrylate	7.702	41	646	0.283	ug/l	78
47) n-amyl Acetate	10.848	43	1094	0.270	ug/l	91
48) t-1,3-Dichloropropene	8.982	75	1500	0.509	ug/l	89
49) cis-1,3-Dichloropropene	8.379	75	1404	0.441	ug/l #	95
50) 1,1,2-Trichloroethane	9.153	97	511	0.254	ug/l #	69
52) 1,3-Dichloropropane	9.311	76	1073	0.317	ug/l	98
53) Dibromochloromethane	9.531	129	645	0.318	ug/l	56

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 1,2-Dibromoethane	9.616	107	1008	0.478	ug/l	98
55) 2-Chloroethyl vinyl ether	8.244	63	2797	1.650	ug/l	92
56) Bromoform	10.805	173	311	0.221	ug/l #	73
58) 4-Methyl-2-Pentanone	8.580	43	3630	1.183	ug/l	95
59) 2-Hexanone	9.433	43	3180	1.362	ug/l	100
61) Tetrachloroethene	9.275	164	2345	1.319	ug/l #	87
62) Toluene	8.720	91	4716	0.566	ug/l	100
64) Chlorobenzene	10.079	112	4089	0.789	ug/l	93
65) 1,1,1,2-Tetrachloroethane	10.165	131	544	0.290	ug/l	78
66) Ethyl Benzene	10.195	91	6508	0.719	ug/l	93
67) m/p-Xylenes	10.305	106	6571	1.862	ug/l	96
68) o-Xylene	10.640	106	2128	0.608	ug/l	88
69) Styrene	10.659	104	3691	0.650	ug/l	86
70) Isopropylbenzene	10.963	105	7741	0.887	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.213	83	915	0.287	ug/l	86
72) 1,2,3-Trichloropropane	11.238	75	734	0.249	ug/l	99
73) Bromobenzene	11.201	156	1625	0.754	ug/l	87
74) n-propylbenzene	11.305	91	12466	1.214	ug/l	99
75) 2-Chlorotoluene	11.366	91	6785	1.087	ug/l	98
76) 1,3,5-Trimethylbenzene	11.457	105	9125	1.217	ug/l	97
78) 4-Chlorotoluene	11.457	91	9580	1.348	ug/l	99
79) tert-butylbenzene	11.713	119	6868	0.965	ug/l	96
80) 1,2,4-Trimethylbenzene	11.750	105	9655	1.300	ug/l	93
81) sec-Butylbenzene	11.890	105	12001	1.340	ug/l	99
82) p-Isopropyltoluene	12.012	119	10507	1.410	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	6547	1.632	ug/l	90
84) 1,4-Dichlorobenzene	12.042	146	7332	1.834	ug/l	96
85) n-Butylbenzene	12.335	91	12090	1.783	ug/l	98
86) Hexachloroethane	12.542	117	1132	0.918	ug/l	85
87) 1,2-Dichlorobenzene	12.335	146	4874	1.211	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	220	0.307	ug/l	94
89) 1,2,4-Trichlorobenzene	13.585	180	7921	3.122	ug/l	98
90) Hexachlorobutadiene	13.725	225	3107	3.372	ug/l	97
91) Naphthalene	13.774	128	17366	1.951	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	7605	2.970	ug/l	98

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

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