

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080321\
 Data File : VX023523.D
 Acq On : 03 Aug 2021 11:59
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 5:39:25 PM

Quant Time: Aug 04 04:54:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.916	128	38172	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	210586	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	183273	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	89247	30.232	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.767%			
60) 4-Bromofluorobenzene	11.085	95	80796	26.915	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 89.733%			
63) Toluene-d8	8.653	98	248819	30.166	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.567%			
Target Compounds						
					Qvalue	
16) Carbon Disulfide	2.514	76	8533	1.564	ug/l #	94
18) Methylene Chloride	2.794	84	2370	0.911	ug/l #	87
19) trans-1,2-Dichloroethene	3.099	96	1639	0.692	ug/l	96
29) 1,1-Dichloropropene	5.696	75	1667	0.508	ug/l	74
37) Trichloroethene	7.123	130	1274m	0.474	ug/l	
38) Methylcyclohexane	7.385	83	1671	0.401	ug/l	84
61) Tetrachloroethene	9.275	164	1314	0.534	ug/l #	79
64) Chlorobenzene	10.086	112	2250	0.344	ug/l	98
66) Ethyl Benzene	10.195	91	3348	0.293	ug/l	95
67) m/p-Xylenes	10.305	106	2652	0.599	ug/l	97
69) Styrene	10.659	104	1970	0.274	ug/l	91
70) Isopropylbenzene	10.963	105	3399	0.296	ug/l	100
74) n-propylbenzene	11.311	91	5334	0.402	ug/l	99
75) 2-Chlorotoluene	11.366	91	2703	0.341	ug/l	99
76) 1,3,5-Trimethylbenzene	11.457	105	3203	0.337	ug/l	93
78) 4-Chlorotoluene	11.457	91	4154	0.464	ug/l	100
79) tert-butylbenzene	11.719	119	3047	0.330	ug/l	95
80) 1,2,4-Trimethylbenzene	11.756	105	3179	0.337	ug/l	98
81) sec-Butylbenzene	11.896	105	4852	0.410	ug/l	98
82) p-Isopropyltoluene	12.012	119	4051	0.417	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	2719	0.538	ug/l	96
84) 1,4-Dichlorobenzene	12.042	146	3140	0.628	ug/l	97
85) n-Butylbenzene	12.335	91	4408	0.512	ug/l	94
87) 1,2-Dichlorobenzene	12.341	146	2051	0.420	ug/l	91
89) 1,2,4-Trichlorobenzene	13.591	180	2577	0.854	ug/l	93
90) Hexachlorobutadiene	13.725	225	1335	0.986	ug/l	98
91) Naphthalene	13.780	128	4938	0.476	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	2104	0.694	ug/l	93

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

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The chromatogram displays the Total Ion Chromatogram (TIC) for the file VX023523.D\data.ms. The y-axis represents Abundance, ranging from 0 to 500,000. The x-axis represents Time in minutes, ranging from 0.00 to 16.00. The baseline is relatively flat, with several sharp peaks corresponding to different chemical compounds. The most prominent peaks are labeled with their chemical names and retention times.

Compound	Retention Time (min)	Approximate Abundance
Carbon Disulfide, M	2.5	25,000
Methylene Chloride, M	2.8	25,000
trans-1,2-Dichloroethene, M	3.2	25,000
Bromochloromethane, I	4.8	90,000
1,1-Dichloropropene	5.8	95,000
1,2-Dichloroethane-d4, s	6.0	95,000
1,4-Difluorobenzene, I	6.8	210,000
Trichloroethene, M	7.2	65,000
Methylcyclohexane	7.5	65,000
Toluene-d8, S	8.8	425,000
Tetrachloroethene, M	9.2	65,000
Chlorobenzene-d5, I	10.2	405,000
Ethylbenzene, M	10.5	15,000
m,p-Xylenes, M	10.8	15,000
Styrene, M	11.2	15,000
Isopropylbenzene	11.5	15,000
4-Bromofluorobenzene, S	11.8	330,000
2-Chlorobenzene	12.2	15,000
1,2-Dichlorobenzene	12.5	15,000
1,3-Dichlorobenzene	12.8	15,000
1,4-Dichlorobenzene	13.2	15,000
1,2,4-Trichlorobenzene	13.5	15,000
1,2,3-Trichlorobenzene	13.8	15,000