

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071924\
 Data File : VX042395.D
 Acq On : 19 Jul 2024 11:19
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 19 16:06:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 11:30:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	28790	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	169860	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	147492	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	63139	30.617	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.067%	
60) 4-Bromofluorobenzene	11.079	95	62933	27.424	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 91.400%	
63) Toluene-d8	8.647	98	197655	30.849	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.833%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	975	0.565	ug/l	85
3) Chloromethane	1.294	50	901	0.499	ug/l	93
4) Vinyl Chloride	1.374	62	659	0.368	ug/l #	68
5) Bromomethane	1.599	94	880	0.978	ug/l	82
7) Trichlorofluoromethane	1.867	101	988	0.441	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	942	0.539	ug/l	98
10) 1,1-Dichloroethene	2.312	96	836	0.498	ug/l	96
11) Methyl Iodide	2.447	142	1097	0.578	ug/l	81
12) Methyl Acetate	2.709	43	841	0.305	ug/l	90
13) Acrolein	2.239	56	922	2.660	ug/l	98
14) Acrylonitrile	3.081	53	1624	1.567	ug/l	90
15) Acetone	2.392	58	587	1.905	ug/l	89
16) Carbon Disulfide	2.501	76	6360	1.917	ug/l	96
17) Allyl chloride	2.666	41	948	0.355	ug/l	86
18) Methylene Chloride	2.794	84	1093	0.570	ug/l #	90
19) trans-1,2-Dichloroethene	3.087	96	1655	0.976	ug/l	88
22) cis-1,2-Dichloroethene	4.495	96	864	0.407	ug/l #	86
23) tert-Butyl Alcohol	2.989	59	979	2.479	ug/l #	100
26) Cyclohexane	5.470	56	1092	0.413	ug/l #	84
29) 1,1-Dichloropropene	5.702	75	891	0.402	ug/l	84
30) 2-Butanone	4.611	43	653	0.442	ug/l #	85
33) Carbon Tetrachloride	5.684	117	529	0.212	ug/l #	60
37) Trichloroethene	7.135	130	942	0.482	ug/l	85
38) Methylcyclohexane	7.379	83	1308	0.459	ug/l	96
40) Dibromomethane	7.592	93	537	0.416	ug/l	60
42) Vinyl Acetate	3.745	43	1139	0.238	ug/l	100
43) Ethyl Acetate	4.611	43	653	0.249	ug/l	98
45) 1,4-Dioxane	7.696	88	460	9.959	ug/l #	81
48) t-1,3-Dichloropropene	8.994	75	827	0.343	ug/l #	81
49) cis-1,3-Dichloropropene	8.385	75	702	0.259	ug/l #	80
54) 1,2-Dibromoethane	9.622	107	509	0.259	ug/l	89
55) 2-Chloroethyl vinyl ether	8.257	63	2226	1.552	ug/l #	92
58) 4-Methyl-2-Pentanone	8.586	43	1376	0.529	ug/l	93
59) 2-Hexanone	9.451	43	1633	0.802	ug/l #	92
61) Tetrachloroethene	9.275	164	1403	0.784	ug/l #	89
62) Toluene	8.726	91	2561	0.347	ug/l	99
64) Chlorobenzene	10.079	112	2520	0.506	ug/l	91
66) Ethyl Benzene	10.195	91	3574	0.445	ug/l #	88
67) m/p-Xylenes	10.305	106	2773	0.863	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) o-Xylene	10.646	106	1156	0.362	ug/l	89
69) Styrene	10.665	104	1981	0.368	ug/l	97
70) Isopropylbenzene	10.963	105	2758	0.338	ug/l	95
72) 1,2,3-Trichloropropane	11.244	75	545	0.245	ug/l	46
73) Bromobenzene	11.201	156	1200	0.515	ug/l	94
74) n-propylbenzene	11.311	91	4216	0.468	ug/l	92
75) 2-Chlorotoluene	11.366	91	2829	0.500	ug/l	95
76) 1,3,5-Trimethylbenzene	11.451	105	2749	0.404	ug/l	95
78) 4-Chlorotoluene	11.463	91	3849	0.610	ug/l	99
79) tert-butylbenzene	11.713	119	2426	0.334	ug/l	94
80) 1,2,4-Trimethylbenzene	11.756	105	2836	0.414	ug/l	99
81) sec-Butylbenzene	11.890	105	3474	0.404	ug/l	97
82) p-Isopropyltoluene	12.012	119	3290	0.442	ug/l	96
83) 1,3-Dichlorobenzene	11.969	146	3258	0.779	ug/l	97
84) 1,4-Dichlorobenzene	12.049	146	3698	0.890	ug/l	96
85) n-Butylbenzene	12.335	91	3475	0.594	ug/l	93
86) Hexachloroethane	12.536	117	366	0.289	ug/l	71
87) 1,2-Dichlorobenzene	12.341	146	2554	0.604	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	216	0.376	ug/l #	78
89) 1,2,4-Trichlorobenzene	13.591	180	4010	1.400	ug/l	98
90) Hexachlorobutadiene	13.725	225	1220	0.859	ug/l	98
91) Naphthalene	13.774	128	14568	1.706	ug/l	97
92) 1,2,3-Trichlorobenzene	13.963	180	4596	1.558	ug/l	96

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

