

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051524\
 Data File : VX041536.D
 Acq On : 15 May 2024 13:29
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 16 05:16:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	28354	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	160423	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	143449	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	66653	29.851	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.500%
60) 4-Bromofluorobenzene	11.079	95	62014	27.693	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.300%
63) Toluene-d8	8.647	98	184760	30.047	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.167%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	645	0.435	ug/l	75
3) Chloromethane	1.294	50	782	0.482	ug/l #	88
4) Vinyl Chloride	1.374	62	743	0.435	ug/l #	88
5) Bromomethane	1.599	94	1031	0.948	ug/l	100
7) Trichlorofluoromethane	1.867	101	1015	0.391	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	739	0.491	ug/l	99
10) 1,1-Dichloroethene	2.306	96	907	0.625	ug/l #	74
11) Methyl Iodide	2.447	142	1250	0.723	ug/l	86
12) Methyl Acetate	2.715	43	1029	0.471	ug/l #	63
13) Acrolein	2.239	56	673	2.530	ug/l	95
14) Acrylonitrile	3.081	53	2083	2.169	ug/l	96
15) Acetone	2.386	58	830	3.225	ug/l	90
16) Carbon Disulfide	2.502	76	6403	1.955	ug/l	99
17) Allyl chloride	2.654	41	1030	0.400	ug/l	80
18) Methylene Chloride	2.788	84	1208	0.700	ug/l	90
22) cis-1,2-Dichloroethene	4.495	96	810	0.401	ug/l #	80
29) 1,1-Dichloropropene	5.696	75	1339	0.631	ug/l	62
37) Trichloroethene	7.135	130	1186	0.635	ug/l	94
38) Methylcyclohexane	7.385	83	1161	0.431	ug/l	89
40) Dibromomethane	7.586	93	531	0.426	ug/l	75
42) Vinyl Acetate	3.745	43	3931	0.804	ug/l #	82
47) n-amyl Acetate	10.866	43	761	0.204	ug/l #	88
48) t-1,3-Dichloropropene	8.994	75	784	0.334	ug/l	99
49) cis-1,3-Dichloropropene	8.379	75	688	0.270	ug/l	94
54) 1,2-Dibromoethane	9.616	107	500	0.272	ug/l	92
55) 2-Chloroethyl vinyl ether	8.257	63	1986	1.457	ug/l #	83
58) 4-Methyl-2-Pentanone	8.586	43	2446	0.933	ug/l #	86
59) 2-Hexanone	9.445	43	1885	0.903	ug/l #	92
61) Tetrachloroethene	9.269	164	1313	0.748	ug/l	92
62) Toluene	8.726	91	2647	0.371	ug/l	93
64) Chlorobenzene	10.079	112	2420	0.499	ug/l #	85
66) Ethyl Benzene	10.195	91	3351	0.423	ug/l	95
67) m/p-Xylenes	10.305	106	2864	0.924	ug/l	91
68) o-Xylene	10.640	106	1148	0.368	ug/l	93
69) Styrene	10.665	104	1748	0.334	ug/l	90
70) Isopropylbenzene	10.963	105	3183	0.404	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.213	83	602	0.222	ug/l	89
73) Bromobenzene	11.201	156	1218	0.526	ug/l	96
74) n-propylbenzene	11.305	91	4913	0.553	ug/l	98

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

75) 2-Chlorotoluene	11.366	91	3028	0.542	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	2916	0.433	ug/l	93
78) 4-Chlorotoluene	11.457	91	4361	0.686	ug/l	95
79) tert-butylbenzene	11.713	119	2413	0.337	ug/l	88
80) 1,2,4-Trimethylbenzene	11.756	105	3102	0.460	ug/l	99
81) sec-Butylbenzene	11.890	105	3810	0.455	ug/l	97
82) p-Isopropyltoluene	12.012	119	3632	0.496	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	3467	0.835	ug/l	93
84) 1,4-Dichlorobenzene	12.042	146	3758	0.895	ug/l	99
85) n-Butylbenzene	12.335	91	3569	0.605	ug/l	98
86) Hexachloroethane	12.536	117	365	0.296	ug/l	89
87) 1,2-Dichlorobenzene	12.335	146	2417	0.570	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	12.945	75	215	0.361	ug/l	92
89) 1,2,4-Trichlorobenzene	13.591	180	3825	1.343	ug/l	99
90) Hexachlorobutadiene	13.725	225	1131	0.814	ug/l	93
91) Naphthalene	13.780	128	13711	1.610	ug/l	96
92) 1,2,3-Trichlorobenzene	13.963	180	4297	1.476	ug/l	99

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

