

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072423\
 Data File : VX036627.D
 Acq On : 24 Jul 2023 13:20
 Operator : JC/MD
 Sample : 03572-09 0.2PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2023

Quant Time: Jul 25 07:58:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/25/2023
 Supervised By : Mahesh Dadoda 07/25/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	177479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	307898	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	271857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	131489	50.071	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.140%			
35) Dibromofluoromethane	5.385	113	106127	50.147	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.300%			
50) Toluene-d8	8.647	98	373779	49.804	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.600%			
62) 4-Bromofluorobenzene	11.079	95	139205	49.163	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	471	0.201	ug/l	93
3) Chloromethane	1.301	50	715	0.335	ug/l	89
4) Vinyl Chloride	1.374	62	435	0.200	ug/l #	87
5) Bromomethane	1.618	94	692	0.534	ug/l	93
6) Chloroethane	1.691	64	402m	0.381	ug/l	
7) Trichlorofluoromethane	1.892	101	743	0.222	ug/l	96
8) Diethyl Ether	2.136	74	357	0.275	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	543	0.270	ug/l #	83
10) Methyl Iodide	2.453	142	500	0.239	ug/l #	69
11) Tert butyl alcohol	2.995	59	912	1.467	ug/l #	77
12) 1,1-Dichloroethene	2.319	96	594	0.299	ug/l #	57
13) Acrolein	2.239	56	656	1.849	ug/l #	14
14) Allyl chloride	2.666	41	941	0.240	ug/l	98
15) Acrylonitrile	3.075	53	1348	1.078	ug/l	98
16) Acetone	2.392	43	1869	1.715	ug/l #	74
17) Carbon Disulfide	2.514	76	2171	0.396	ug/l	96
18) Methyl Acetate	2.709	43	1162	0.253	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	1731	0.232	ug/l #	80
20) Methylene Chloride	2.794	84	992	0.409	ug/l #	75
21) trans-1,2-Dichloroethene	3.099	96	629	0.283	ug/l #	60
22) Diisopropyl ether	3.763	45	1752	0.236	ug/l #	79
23) Vinyl Acetate	3.727	43	5840	1.025	ug/l	99
24) 1,1-Dichloroethane	3.617	63	842	0.202	ug/l #	83
25) 2-Butanone	4.580	43	2617	1.480	ug/l	97
26) 2,2-Dichloropropane	4.477	77	943	0.240	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	682	0.259	ug/l	82
28) Bromochloromethane	4.904	49	354	0.176	ug/l #	87
29) Tetrahydrofuran	5.032	42	1909	1.675	ug/l #	76
30) Chloroform	5.093	83	1124	0.264	ug/l #	79
31) Cyclohexane	5.464	56	904	0.249	ug/l	87
32) 1,1,1-Trichloroethane	5.391	97	835	0.214	ug/l #	45
36) 1,1-Dichloropropene	5.690	75	751m	0.238	ug/l	
37) Ethyl Acetate	4.715	43	969m	0.271	ug/l	
38) Carbon Tetrachloride	5.666	117	735	0.219	ug/l #	66
39) Methylcyclohexane	7.385	83	1021	0.260	ug/l	94
40) Benzene	6.050	78	1927	0.210	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	360m	0.189	ug/l	
42) 1,2-Dichloroethane	6.092	62	1010	0.301	ug/l	83
43) Isopropyl Acetate	6.348	43	1423	0.232	ug/l #	87
44) Trichloroethene	7.129	130	520	0.217	ug/l	67
45) 1,2-Dichloropropane	7.427	63	510	0.208	ug/l #	80
46) Dibromomethane	7.592	93	341	0.199	ug/l #	73
47) Bromodichloromethane	7.824	83	806	0.229	ug/l #	86
48) Methyl methacrylate	7.708	41	696	0.244	ug/l #	82
49) 1,4-Dioxane	7.720	88	149	2.581	ug/l #	33
51) 4-Methyl-2-Pentanone	8.574	43	3632	1.068	ug/l	94
52) Toluene	8.726	92	1313	0.228	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	838	0.211	ug/l #	57
54) cis-1,3-Dichloropropene	8.366	75	766	0.182	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	537	0.222	ug/l	94
56) Ethyl methacrylate	9.122	69	899	0.228	ug/l	94
57) 1,3-Dichloropropane	9.317	76	829	0.206	ug/l	90
58) 2-Chloroethyl Vinyl ether	8.250	63	2901	1.496	ug/l	99
59) 2-Hexanone	9.433	43	2704	1.071	ug/l	98
60) Dibromochloromethane	9.525	129	531	0.200	ug/l	97
61) 1,2-Dibromoethane	9.616	107	501	0.200	ug/l	96
64) Tetrachloroethene	9.275	164	486	0.240	ug/l #	70
65) Chlorobenzene	10.079	112	1407	0.235	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	10.165	131	512	0.221	ug/l #	65
67) Ethyl Benzene	10.201	91	2359	0.215	ug/l	95
68) m/p-Xylenes	10.305	106	1762	0.431	ug/l	95
69) o-Xylene	10.640	106	892	0.219	ug/l	99
70) Styrene	10.659	104	1420	0.211	ug/l	94
71) Bromoform	10.799	173	339	0.181	ug/l #	29
73) Isopropylbenzene	10.963	105	2310	0.224	ug/l	97
74) N-amyl acetate	10.841	43	1248	0.260	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	11.213	83	846	0.243	ug/l #	88
76) 1,2,3-Trichloropropane	11.244	75	764m	0.261	ug/l	
77) Bromobenzene	11.201	156	456	0.194	ug/l	67
78) n-propylbenzene	11.305	91	2764	0.232	ug/l	93
79) 2-Chlorotoluene	11.366	91	1740	0.241	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	1875	0.217	ug/l	90
82) 4-Chlorotoluene	11.457	91	1991	0.242	ug/l	98
83) tert-Butylbenzene	11.713	119	1936	0.229	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	1814	0.210	ug/l	85
85) sec-Butylbenzene	11.890	105	2272	0.215	ug/l	100
86) p-Isopropyltoluene	12.006	119	1832	0.211	ug/l #	71
87) 1,3-Dichlorobenzene	11.969	146	1179	0.271	ug/l	90
88) 1,4-Dichlorobenzene	11.969	146	1179	0.273	ug/l	91
89) n-Butylbenzene	12.335	91	1696	0.218	ug/l	97
90) Hexachloroethane	12.536	117	363	0.206	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	926	0.221	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	146	0.180	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	649	0.251	ug/l	89
94) Hexachlorobutadiene	13.719	225	243	0.227	ug/l	89
95) Naphthalene	13.780	128	2324	0.258	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	640	0.251	ug/l	92

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

