

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101323\
 Data File : VX038281.D
 Acq On : 13 Oct 2023 13:25
 Operator : JC/MD
 Sample : 04699-09 0.75PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2023

Quant Time: Oct 14 00:58:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 14 00:55:23 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2023
 Supervised By :Mahesh Dadoda 10/16/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	121337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	210939	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95835	49.105	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.220%		
35) Dibromofluoromethane	5.385	113	74315	48.893	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.780%		
50) Toluene-d8	8.647	98	279065	48.048	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.100%		
62) 4-Bromofluorobenzene	11.079	95	101522	46.106	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	792	0.676	ug/l	99
3) Chloromethane	1.294	50	1043	0.874	ug/l #	84
4) Vinyl Chloride	1.374	62	1279	0.966	ug/l	94
5) Bromomethane	1.611	94	1248	0.691	ug/l	88
6) Chloroethane	1.691	64	1073	0.914	ug/l	100
7) Trichlorofluoromethane	1.892	101	2134	0.816	ug/l	99
8) Diethyl Ether	2.136	74	782	0.802	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	956	0.838	ug/l	96
10) Methyl Iodide	2.447	142	1052	0.641	ug/l #	94
11) Tert butyl alcohol	2.953	59	1362	2.866	ug/l	98
12) 1,1-Dichloroethene	2.319	96	835	0.752	ug/l	80
13) Acrolein	2.239	56	1109	3.997	ug/l	96
14) Allyl chloride	2.660	41	1400	0.705	ug/l	89
15) Acrylonitrile	3.069	53	3186	3.587	ug/l	97
16) Acetone	2.374	43	3798	4.663	ug/l	94
17) Carbon Disulfide	2.508	76	2165	0.677	ug/l #	92
18) Methyl Acetate	2.703	43	2687	0.769	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	3090	0.699	ug/l	94
20) Methylene Chloride	2.794	84	1706	1.114	ug/l #	71
21) trans-1,2-Dichloroethene	3.093	96	981	0.714	ug/l	89
22) Diisopropyl ether	3.757	45	2694	0.647	ug/l #	69
23) Vinyl Acetate	3.733	43	8501	2.785	ug/l	98
24) 1,1-Dichloroethane	3.611	63	1867	0.739	ug/l #	92
25) 2-Butanone	4.568	43	4529	3.446	ug/l #	79
26) 2,2-Dichloropropane	4.465	77	1056	0.536	ug/l #	54
27) cis-1,2-Dichloroethene	4.495	96	1165	0.712	ug/l	89
28) Bromochloromethane	4.916	49	834	0.731	ug/l #	95
29) Tetrahydrofuran	5.007	42	2917m	3.409	ug/l	
30) Chloroform	5.099	83	1993	0.722	ug/l	92
31) Cyclohexane	5.471	56	1571	0.743	ug/l #	83
32) 1,1,1-Trichloroethane	5.385	97	1612	0.681	ug/l #	49
36) 1,1-Dichloropropene	5.696	75	1550	0.740	ug/l #	94
37) Ethyl Acetate	4.739	43	2046	0.822	ug/l #	78
38) Carbon Tetrachloride	5.684	117	1454	0.705	ug/l	87
39) Methylcyclohexane	7.379	83	1561	0.636	ug/l #	80
40) Benzene	6.037	78	4177	0.713	ug/l #	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	804m	0.649	ug/l	
42) 1,2-Dichloroethane	6.092	62	1876	0.801	ug/l #	77
43) Isopropyl Acetate	6.342	43	2295	0.618	ug/l #	84
44) Trichloroethene	7.129	130	1102	0.719	ug/l	93
45) 1,2-Dichloropropane	7.434	63	999	0.658	ug/l #	85
46) Dibromomethane	7.586	93	767	0.652	ug/l	95
47) Bromodichloromethane	7.830	83	1282	0.612	ug/l	96
48) Methyl methacrylate	7.708	41	1129	0.636	ug/l	93
49) 1,4-Dioxane	7.671	88	522	11.941	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	7989	3.117	ug/l	98
52) Toluene	8.720	92	2841	0.744	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	1194	0.531	ug/l #	88
54) cis-1,3-Dichloropropene	8.372	75	1229	0.521	ug/l #	85
55) 1,1,2-Trichloroethane	9.159	97	1033	0.632	ug/l #	87
56) Ethyl methacrylate	9.122	69	1374	0.549	ug/l #	85
57) 1,3-Dichloropropane	9.311	76	1821	0.689	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.244	63	3454	2.810	ug/l	91
59) 2-Hexanone	9.433	43	6101	2.961	ug/l	100
60) Dibromochloromethane	9.525	129	955	0.597	ug/l	95
61) 1,2-Dibromoethane	9.616	107	1048	0.593	ug/l	87
64) Tetrachloroethene	9.275	164	976	0.713	ug/l #	83
65) Chlorobenzene	10.079	112	3225	0.729	ug/l #	84
66) 1,1,1,2-Tetrachloroethane	10.159	131	906	0.606	ug/l #	61
67) Ethyl Benzene	10.195	91	5087	0.644	ug/l	99
68) m/p-Xylenes	10.305	106	3856	1.263	ug/l	95
69) o-Xylene	10.646	106	1714	0.575	ug/l	94
70) Styrene	10.659	104	2804	0.578	ug/l	97
71) Bromoform	10.793	173	737	0.598	ug/l #	88
73) Isopropylbenzene	10.963	105	4764	0.654	ug/l	96
74) N-amyl acetate	10.842	43	1519	0.488	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	1873	0.701	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	1935m	0.784	ug/l	
77) Bromobenzene	11.201	156	1332	0.749	ug/l	96
78) n-propylbenzene	11.305	91	5931	0.666	ug/l	99
79) 2-Chlorotoluene	11.366	91	3741	0.708	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	3938	0.627	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	268m	0.346	ug/l	
82) 4-Chlorotoluene	11.457	91	4231	0.677	ug/l	96
83) tert-Butylbenzene	11.713	119	3820	0.622	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	3847	0.614	ug/l	93
85) sec-Butylbenzene	11.890	105	5325	0.669	ug/l	98
86) p-Isopropyltoluene	12.012	119	4091	0.623	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	2728	0.764	ug/l	91
88) 1,4-Dichlorobenzene	12.043	146	3015m	0.827	ug/l	
89) n-Butylbenzene	12.335	91	3897	0.596	ug/l	95
90) Hexachloroethane	12.542	117	545	0.501	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	2616	0.762	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	345	0.534	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	1435	0.623	ug/l	96
94) Hexachlorobutadiene	13.725	225	669	0.722	ug/l	99
95) Naphthalene	13.780	128	4834	0.603	ug/l	98
96) 1,2,3-Trichlorobenzene	13.969	180	1655	0.742	ug/l	95

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

