

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022223\
 Data File : VX034233.D
 Acq On : 22 Feb 2023 16:55
 Operator : JC/MD
 Sample : 01627-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Quant Time: Feb 23 03:22:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 23 03:17:23 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

02/23/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	309877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	506110	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	445886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207637	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	181675	43.533	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.060%
35) Dibromofluoromethane	5.385	113	158083	47.973	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.940%
50) Toluene-d8	8.647	98	584241	49.382	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.760%
62) 4-Bromofluorobenzene	11.079	95	206533	45.638	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.280%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	1638	0.612	ug/l	99
3) Chloromethane	1.294	50	3014	0.782	ug/l	97
4) Vinyl Chloride	1.374	62	2673	0.762	ug/l	92
5) Bromomethane	1.618	94	1723	1.237	ug/l	96
6) Chloroethane	1.691	64	1532	0.868	ug/l	90
7) Trichlorofluoromethane	1.892	101	3728	0.785	ug/l	89
8) Diethyl Ether	2.136	74	1616	0.845	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	2280	0.682	ug/l	89
10) Methyl Iodide	2.453	142	2044	0.502	ug/l	98
11) Tert butyl alcohol	2.959	59	4917	5.268	ug/l #	88
12) 1,1-Dichloroethene	2.319	96	2185	0.652	ug/l #	58
13) Acrolein	2.239	56	1732	4.065	ug/l	89
14) Allyl chloride	2.660	41	4921	0.692	ug/l	91
15) Acrylonitrile	3.068	53	5925	2.910	ug/l	100
16) Acetone	2.380	43	6820	3.168	ug/l	90
17) Carbon Disulfide	2.520	76	5653	0.587	ug/l #	94
18) Methyl Acetate	2.703	43	3795	0.570	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	7105	0.601	ug/l	97
20) Methylene Chloride	2.788	84	5207	1.342	ug/l #	86
21) trans-1,2-Dichloroethene	3.087	96	2373	0.676	ug/l #	80
22) Diisopropyl ether	3.764	45	8170	0.655	ug/l #	80
23) Vinyl Acetate	3.727	43	30539	3.058	ug/l	99
24) 1,1-Dichloroethane	3.611	63	4129	0.603	ug/l #	91
25) 2-Butanone	4.580	43	8582	2.755	ug/l	96
26) 2,2-Dichloropropane	4.477	77	3699	0.597	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	2781	0.669	ug/l	98
28) Bromochloromethane	4.904	49	2326	0.762	ug/l #	87
29) Tetrahydrofuran	5.019	42	6569	3.457	ug/l	90
30) Chloroform	5.111	83	4199	0.639	ug/l #	76
31) Cyclohexane	5.464	56	3990	0.640	ug/l	90
32) 1,1,1-Trichloroethane	5.379	97	3705	0.629	ug/l #	48
36) 1,1-Dichloropropene	5.690	75	3139	0.644	ug/l	96
37) Ethyl Acetate	4.727	43	4331m	0.795	ug/l	
38) Carbon Tetrachloride	5.678	117	3386	0.675	ug/l	90
39) Methylcyclohexane	7.385	83	3594	0.573	ug/l	94
40) Benzene	6.044	78	8975	0.621	ug/l	99

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41) Methacrylonitrile	4.946	41	2164m	0.713	ug/l	
42) 1,2-Dichloroethane	6.092	62	3581	0.705	ug/l	97
43) Isopropyl Acetate	6.354	43	6111	0.636	ug/l #	96
44) Trichloroethene	7.129	130	2505	0.676	ug/l	84
45) 1,2-Dichloropropane	7.434	63	2555	0.665	ug/l	89
46) Dibromomethane	7.586	93	1675	0.662	ug/l #	85
47) Bromodichloromethane	7.824	83	2896	0.558	ug/l #	90
48) Methyl methacrylate	7.708	41	3025	0.663	ug/l	91
49) 1,4-Dioxane	7.690	88	1169	12.848	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	16022	3.030	ug/l	99
52) Toluene	8.720	92	5877	0.672	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	3328	0.557	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	3481	0.544	ug/l #	71
55) 1,1,2-Trichloroethane	9.153	97	2301	0.651	ug/l #	87
56) Ethyl methacrylate	9.122	69	3550	0.594	ug/l #	91
57) 1,3-Dichloropropane	9.311	76	3981	0.648	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.251	63	8693	3.358	ug/l	96
59) 2-Hexanone	9.433	43	12059	2.992	ug/l	94
60) Dibromochloromethane	9.525	129	2243	0.575	ug/l	99
61) 1,2-Dibromoethane	9.616	107	2214	0.593	ug/l	91
64) Tetrachloroethene	9.275	164	2435	0.774	ug/l	91
65) Chlorobenzene	10.079	112	6453	0.694	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.159	131	2259	0.628	ug/l #	66
67) Ethyl Benzene	10.195	91	10808	0.647	ug/l	92
68) m/p-Xylenes	10.305	106	8203	1.284	ug/l	99
69) o-Xylene	10.646	106	4140	0.651	ug/l	96
70) Styrene	10.659	104	6318	0.611	ug/l #	90
71) Bromoform	10.805	173	1546	0.526	ug/l #	95
73) Isopropylbenzene	10.963	105	10137	0.641	ug/l	98
74) N-amyl acetate	10.848	43	4892	0.615	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	3431	0.634	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	2849m	0.545	ug/l	
77) Bromobenzene	11.201	156	2656	0.697	ug/l	83
78) n-propylbenzene	11.305	91	10929	0.594	ug/l	99
79) 2-Chlorotoluene	11.366	91	7232	0.641	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	7655	0.575	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.018	75	789m	0.388	ug/l	
82) 4-Chlorotoluene	11.451	91	7676	0.597	ug/l	99
83) tert-Butylbenzene	11.713	119	8961	0.658	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	7676	0.571	ug/l	98
85) sec-Butylbenzene	11.890	105	10113	0.611	ug/l	99
86) p-Isopropyltoluene	12.006	119	7777	0.568	ug/l	87
87) 1,3-Dichlorobenzene	11.969	146	4909	0.687	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	4929m	0.684	ug/l	
89) n-Butylbenzene	12.335	91	6481	0.531	ug/l	100
90) Hexachloroethane	12.536	117	1495	0.522	ug/l	83
91) 1,2-Dichlorobenzene	12.341	146	4372	0.626	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.939	75	606	0.470	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	2724	0.607	ug/l	95
94) Hexachlorobutadiene	13.725	225	1210	0.651	ug/l	96
95) Naphthalene	13.780	128	9531	0.631	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	2546	0.572	ug/l	93

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

