

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072423\
 Data File : VX036630.D
 Acq On : 24 Jul 2023 14:58
 Operator : JC/MD
 Sample : 03572-09 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jul 25 08:57:56 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	5.556	168	180081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	314030	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	278617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	128998	48.412	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.820%		
35) Dibromofluoromethane	5.391	113	104481	48.405	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.820%		
50) Toluene-d8	8.647	98	369440	48.265	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.520%		
62) 4-Bromofluorobenzene	11.079	95	137400	47.578	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	5581	2.346	ug/l	99
3) Chloromethane	1.295	50	5655	2.614	ug/l	97
4) Vinyl Chloride	1.374	62	5769	2.619	ug/l	99
5) Bromomethane	1.612	94	3892	2.959	ug/l	100
6) Chloroethane	1.685	64	3212	2.999	ug/l	89
7) Trichlorofluoromethane	1.886	101	8601	2.528	ug/l	97
8) Diethyl Ether	2.136	74	3308	2.513	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.331	101	5188	2.538	ug/l	98
10) Methyl Iodide	2.453	142	4440	2.091	ug/l	93
11) Tert butyl alcohol	2.983	59	8037	12.741	ug/l #	74
12) 1,1-Dichloroethene	2.319	96	5558	2.756	ug/l	84
13) Acrolein	2.246	56	4650	12.916	ug/l	91
14) Allyl chloride	2.666	41	9546	2.404	ug/l	95
15) Acrylonitrile	3.069	53	16284	12.836	ug/l	98
16) Acetone	2.392	43	13435	12.151	ug/l #	89
17) Carbon Disulfide	2.508	76	13982	2.512	ug/l	98
18) Methyl Acetate	2.709	43	11488	2.470	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	19108	2.522	ug/l	97
20) Methylene Chloride	2.794	84	6785	2.759	ug/l #	81
21) trans-1,2-Dichloroethene	3.093	96	5581	2.476	ug/l	93
22) Diisopropyl ether	3.764	45	18469	2.450	ug/l	94
23) Vinyl Acetate	3.727	43	71909	12.434	ug/l	98
24) 1,1-Dichloroethane	3.611	63	10309	2.439	ug/l	98
25) 2-Butanone	4.574	43	21826	12.167	ug/l	94
26) 2,2-Dichloropropane	4.483	77	9741	2.446	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	6468	2.416	ug/l	93
28) Bromochloromethane	4.904	49	5155	2.522	ug/l #	97
29) Tetrahydrofuran	5.013	42	14668	12.682	ug/l	94
30) Chloroform	5.099	83	10942	2.530	ug/l	98
31) Cyclohexane	5.471	56	9127	2.474	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	10048	2.536	ug/l	97
36) 1,1-Dichloropropene	5.696	75	7885	2.451	ug/l	97
37) Ethyl Acetate	4.721	43	8093	2.223	ug/l #	91
38) Carbon Tetrachloride	5.678	117	8459	2.473	ug/l	93
39) Methylcyclohexane	7.379	83	9905	2.476	ug/l #	88
40) Benzene	6.044	78	22351	2.388	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	4550	2.336	ug/l #	25
42) 1,2-Dichloroethane	6.086	62	8610	2.516	ug/l	93
43) Isopropyl Acetate	6.342	43	15061	2.403	ug/l	98
44) Trichloroethene	7.129	130	5846	2.389	ug/l	95
45) 1,2-Dichloropropane	7.434	63	6018	2.408	ug/l	99
46) Dibromomethane	7.586	93	4085	2.336	ug/l	95
47) Bromodichloromethane	7.824	83	8410	2.343	ug/l	98
48) Methyl methacrylate	7.696	41	6943	2.382	ug/l	91
49) 1,4-Dioxane	7.702	88	2768	47.004	ug/l #	100
51) 4-Methyl-2-Pentanone	8.574	43	45444	13.101	ug/l	99
52) Toluene	8.720	92	14294	2.437	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	9268	2.284	ug/l	99
54) cis-1,3-Dichloropropene	8.373	75	9949	2.324	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	5803	2.354	ug/l	92
56) Ethyl methacrylate	9.116	69	9859	2.456	ug/l	96
57) 1,3-Dichloropropane	9.311	76	10204	2.485	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	24996	12.636	ug/l	100
59) 2-Hexanone	9.433	43	33179	12.888	ug/l	96
60) Dibromochloromethane	9.525	129	6591	2.432	ug/l	100
61) 1,2-Dibromoethane	9.610	107	6267	2.453	ug/l	99
64) Tetrachloroethene	9.275	164	5179	2.492	ug/l	91
65) Chlorobenzene	10.080	112	15187	2.473	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	6053	2.550	ug/l	97
67) Ethyl Benzene	10.195	91	27046	2.411	ug/l	98
68) m/p-Xylenes	10.305	106	20638	4.930	ug/l	99
69) o-Xylene	10.640	106	10127	2.424	ug/l	100
70) Styrene	10.659	104	16174	2.346	ug/l	99
71) Bromoform	10.799	173	4473	2.328	ug/l #	96
73) Isopropylbenzene	10.964	105	25681	2.458	ug/l	98
74) N-amyl acetate	10.842	43	11948	2.452	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	8993	2.548	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	7508m	2.528	ug/l	
77) Bromobenzene	11.201	156	6299	2.647	ug/l	95
78) n-propylbenzene	11.305	91	29241	2.420	ug/l	99
79) 2-Chlorotoluene	11.366	91	18421	2.516	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	22370	2.559	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	2978	2.273	ug/l	91
82) 4-Chlorotoluene	11.457	91	20388	2.444	ug/l	99
83) tert-Butylbenzene	11.713	119	21954	2.557	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	22022	2.519	ug/l	99
85) sec-Butylbenzene	11.890	105	26269	2.453	ug/l	99
86) p-Isopropyltoluene	12.006	119	21472	2.437	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	10779	2.446	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	11161	2.552	ug/l	88
89) n-Butylbenzene	12.329	91	17950	2.276	ug/l	100
90) Hexachloroethane	12.536	117	4299	2.407	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	10630	2.500	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1930	2.354	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	6052	2.310	ug/l	96
94) Hexachlorobutadiene	13.725	225	2434	2.246	ug/l	95
95) Naphthalene	13.774	128	21300	2.333	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	5874	2.275	ug/l	98

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

