

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072123\
 Data File : VX036614.D
 Acq On : 21 Jul 2023 17:17
 Operator : JC/MD
 Sample : 03572-07 0.75PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2023

Quant Time: Jul 22 05:13:08 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 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	136321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227621	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77968	38.654	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	77.300%#		
35) Dibromofluoromethane	5.385	113	71445	45.665	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.340%		
50) Toluene-d8	8.647	98	270218	48.704	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.400%		
62) 4-Bromofluorobenzene	11.079	95	96656	46.175	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1580	0.877	ug/l	95
3) Chloromethane	1.300	50	1516	0.926	ug/l	94
4) Vinyl Chloride	1.374	62	1311	0.786	ug/l #	71
5) Bromomethane	1.617	94	1091	1.096	ug/l	94
6) Chloroethane	1.684	64	1121	1.383	ug/l #	77
7) Trichlorofluoromethane	1.886	101	2060	0.800	ug/l	99
8) Diethyl Ether	2.136	74	665	0.667	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	1123	0.726	ug/l #	80
10) Methyl Iodide	2.453	142	1014	0.631	ug/l	99
11) Tert butyl alcohol	2.995	59	1819	3.809	ug/l #	78
12) 1,1-Dichloroethene	2.318	96	1620	1.061	ug/l #	69
13) Acrolein	2.239	56	1523	5.588	ug/l #	59
14) Allyl chloride	2.666	41	2247	0.748	ug/l	96
15) Acrylonitrile	3.068	53	3982	4.146	ug/l	87
16) Acetone	2.398	43	3881	4.637	ug/l	98
17) Carbon Disulfide	2.514	76	3903	0.926	ug/l #	85
18) Methyl Acetate	2.709	43	2317	0.658	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	3430	0.598	ug/l	99
20) Methylene Chloride	2.788	84	2217	1.191	ug/l	85
21) trans-1,2-Dichloroethene	3.093	96	1414	0.829	ug/l	94
22) Diisopropyl ether	3.763	45	4276	0.749	ug/l	89
23) Vinyl Acetate	3.727	43	12732	2.908	ug/l	99
24) 1,1-Dichloroethane	3.611	63	2350	0.734	ug/l #	84
25) 2-Butanone	4.580	43	5111	3.764	ug/l	93
26) 2,2-Dichloropropane	4.477	77	2484	0.824	ug/l	88
27) cis-1,2-Dichloroethene	4.495	96	1621	0.800	ug/l	86
28) Bromochloromethane	4.903	49	1074	0.694	ug/l #	98
29) Tetrahydrofuran	5.031	42	3424	3.911	ug/l #	90
30) Chloroform	5.105	83	2635	0.805	ug/l	89
31) Cyclohexane	5.458	56	2217	0.794	ug/l #	87
32) 1,1,1-Trichloroethane	5.391	97	2444	0.815	ug/l #	49
36) 1,1-Dichloropropene	5.696	75	1969	0.844	ug/l #	94
37) Ethyl Acetate	4.721	43	642	0.243	ug/l #	69
38) Carbon Tetrachloride	5.678	117	2021	0.815	ug/l #	83
39) Methylcyclohexane	7.379	83	2473	0.853	ug/l	92
40) Benzene	6.043	78	5164	0.761	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	1498	1.061	ug/l #	31
42) 1,2-Dichloroethane	6.086	62	1717	0.692	ug/l	87
43) Isopropyl Acetate	6.348	43	2348	0.517	ug/l #	92
44) Trichloroethene	7.129	130	1311	0.739	ug/l	80
45) 1,2-Dichloropropane	7.440	63	1330	0.734	ug/l	98
46) Dibromomethane	7.586	93	805	0.635	ug/l #	83
47) Bromodichloromethane	7.824	83	2051	0.788	ug/l #	88
48) Methyl methacrylate	7.696	41	1188	0.562	ug/l #	56
49) 1,4-Dioxane	7.714	88	757	17.735	ug/l #	75
51) 4-Methyl-2-Pentanone	8.573	43	8295	3.299	ug/l	97
52) Toluene	8.720	92	3283	0.772	ug/l	90
53) t-1,3-Dichloropropene	8.982	75	1869	0.635	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	2105	0.678	ug/l	89
55) 1,1,2-Trichloroethane	9.159	97	1261	0.706	ug/l	91
56) Ethyl methacrylate	9.122	69	2035	0.699	ug/l #	82
57) 1,3-Dichloropropane	9.311	76	1779	0.598	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.250	63	4097	2.857	ug/l	94
59) 2-Hexanone	9.433	43	6593	3.533	ug/l	96
60) Dibromochloromethane	9.525	129	1217	0.620	ug/l	98
61) 1,2-Dibromoethane	9.610	107	1159	0.626	ug/l	96
64) Tetrachloroethene	9.275	164	1198	0.816	ug/l	90
65) Chlorobenzene	10.079	112	3398	0.783	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	1259	0.751	ug/l #	65
67) Ethyl Benzene	10.195	91	6523	0.823	ug/l	98
68) m/p-Xylenes	10.305	106	4501	1.522	ug/l	93
69) o-Xylene	10.646	106	2256	0.764	ug/l	89
70) Styrene	10.658	104	3527	0.724	ug/l	97
71) Bromoform	10.799	173	771	0.568	ug/l #	88
73) Isopropylbenzene	10.963	105	5869	0.805	ug/l	98
74) N-amyl acetate	10.841	43	2155	0.634	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.213	83	1789	0.726	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	1913	0.923	ug/l	98
77) Bromobenzene	11.201	156	1186	0.714	ug/l	88
78) n-propylbenzene	11.305	91	7194	0.853	ug/l	98
79) 2-Chlorotoluene	11.366	91	4291	0.839	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	4963	0.813	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	49926	54.581	ug/l #	5
82) 4-Chlorotoluene	11.457	91	5129	0.881	ug/l	100
83) tert-Butylbenzene	11.713	119	4866	0.812	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	4984	0.817	ug/l	97
85) sec-Butylbenzene	11.890	105	5873	0.786	ug/l	99
86) p-Isopropyltoluene	12.006	119	5014	0.815	ug/l	89
87) 1,3-Dichlorobenzene	11.969	146	2360	0.767	ug/l	96
88) 1,4-Dichlorobenzene	11.969	146	2360	0.773	ug/l	95
89) n-Butylbenzene	12.335	91	4241	0.770	ug/l	98
90) Hexachloroethane	12.536	117	1082	0.868	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	2184	0.736	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	413	0.721	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	1283	0.701	ug/l	99
94) Hexachlorobutadiene	13.725	225	586	0.774	ug/l	97
95) Naphthalene	13.774	128	4135	0.649	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1217	0.675	ug/l	97

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

