

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101323\
 Data File : VX038282.D
 Acq On : 13 Oct 2023 13:48
 Operator : JC/MD
 Sample : 04699-09 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 14 00:58:51 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	5.556	168	119037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206057	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95088	49.664	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.320%		
35) Dibromofluoromethane	5.385	113	73359	49.408	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.820%		
50) Toluene-d8	8.647	98	278076	49.012	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.020%		
62) 4-Bromofluorobenzene	11.079	95	102218	47.522	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	2967	2.582	ug/l	92
3) Chloromethane	1.301	50	3223	2.752	ug/l	89
4) Vinyl Chloride	1.374	62	4275	3.292	ug/l	90
5) Bromomethane	1.605	94	4471	2.523	ug/l	93
6) Chloroethane	1.685	64	3459	3.004	ug/l	100
7) Trichlorofluoromethane	1.886	101	8063	3.144	ug/l	92
8) Diethyl Ether	2.136	74	2872	3.003	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.331	101	3387	3.025	ug/l	96
10) Methyl Iodide	2.453	142	4113	2.553	ug/l	95
11) Tert butyl alcohol	2.953	59	4762	10.213	ug/l #	87
12) 1,1-Dichloroethene	2.319	96	3242	2.977	ug/l	83
13) Acrolein	2.233	56	3428	12.594	ug/l	91
14) Allyl chloride	2.660	41	5028	2.581	ug/l	94
15) Acrylonitrile	3.063	53	11746	13.481	ug/l	99
16) Acetone	2.374	43	12648	15.828	ug/l	99
17) Carbon Disulfide	2.514	76	7262	2.314	ug/l	95
18) Methyl Acetate	2.703	43	9326	2.722	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	10713	2.470	ug/l	99
20) Methylene Chloride	2.788	84	4677	3.112	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	3635	2.696	ug/l	95
22) Diisopropyl ether	3.764	45	10132	2.482	ug/l	99
23) Vinyl Acetate	3.727	43	33124	11.063	ug/l	98
24) 1,1-Dichloroethane	3.611	63	6458	2.606	ug/l	98
25) 2-Butanone	4.562	43	17374	13.476	ug/l	99
26) 2,2-Dichloropropane	4.477	77	4355	2.251	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	4288	2.670	ug/l	88
28) Bromochloromethane	4.904	49	2964	2.650	ug/l #	85
29) Tetrahydrofuran	5.013	42	10555	12.574	ug/l	90
30) Chloroform	5.093	83	7215	2.663	ug/l	96
31) Cyclohexane	5.471	56	5026	2.423	ug/l #	93
32) 1,1,1-Trichloroethane	5.391	97	5910	2.547	ug/l	98
36) 1,1-Dichloropropene	5.702	75	5404	2.639	ug/l	97
37) Ethyl Acetate	4.715	43	5621	2.312	ug/l	96
38) Carbon Tetrachloride	5.684	117	5024	2.494	ug/l	97
39) Methylcyclohexane	7.385	83	5926	2.471	ug/l #	87
40) Benzene	6.044	78	15560	2.717	ug/l	98

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41) Methacrylonitrile	4.934	41	2832	2.341	ug/l #	87
42) 1,2-Dichloroethane	6.092	62	6276	2.743	ug/l	98
43) Isopropyl Acetate	6.342	43	8568	2.360	ug/l	97
44) Trichloroethene	7.129	130	3931	2.624	ug/l	97
45) 1,2-Dichloropropane	7.428	63	3862	2.606	ug/l	97
46) Dibromomethane	7.586	93	2906	2.528	ug/l	93
47) Bromodichloromethane	7.824	83	4997	2.444	ug/l #	94
48) Methyl methacrylate	7.702	41	4014	2.316	ug/l	89
49) 1,4-Dioxane	7.659	88	2201	51.542	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	30638	12.236	ug/l	98
52) Toluene	8.720	92	10380	2.783	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	4357	1.985	ug/l	97
54) cis-1,3-Dichloropropene	8.373	75	4950	2.146	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	4190	2.626	ug/l	97
56) Ethyl methacrylate	9.116	69	5385	2.201	ug/l	93
57) 1,3-Dichloropropane	9.311	76	6870	2.662	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.244	63	13990	11.650	ug/l	99
59) 2-Hexanone	9.433	43	24645	12.243	ug/l	97
60) Dibromochloromethane	9.519	129	3403	2.179	ug/l	89
61) 1,2-Dibromoethane	9.610	107	4136	2.397	ug/l	89
64) Tetrachloroethene	9.275	164	3670	2.763	ug/l	88
65) Chlorobenzene	10.080	112	11298	2.632	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	3464	2.386	ug/l	97
67) Ethyl Benzene	10.195	91	18685	2.438	ug/l	96
68) m/p-Xylenes	10.305	106	13952	4.709	ug/l	100
69) o-Xylene	10.640	106	6905	2.388	ug/l	96
70) Styrene	10.659	104	11184	2.375	ug/l	98
71) Bromoform	10.799	173	2365	1.977	ug/l #	98
73) Isopropylbenzene	10.964	105	17515	2.479	ug/l	98
74) N-amyl acetate	10.842	43	5637	1.868	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	7357	2.837	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	6240m	2.605	ug/l	
77) Bromobenzene	11.195	156	4684	2.715	ug/l	91
78) n-propylbenzene	11.305	91	22240	2.574	ug/l	99
79) 2-Chlorotoluene	11.366	91	13455	2.626	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	15062	2.471	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	1138m	1.517	ug/l	
82) 4-Chlorotoluene	11.457	91	15963	2.633	ug/l	97
83) tert-Butylbenzene	11.713	119	15130	2.540	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	14720	2.422	ug/l	97
85) sec-Butylbenzene	11.890	105	19271	2.497	ug/l	99
86) p-Isopropyltoluene	12.012	119	15329	2.408	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	9223	2.662	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	9451	2.672	ug/l	88
89) n-Butylbenzene	12.329	91	14968	2.361	ug/l	97
90) Hexachloroethane	12.536	117	2242	2.124	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	8914	2.676	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	1293	2.063	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	5377	2.407	ug/l	97
94) Hexachlorobutadiene	13.725	225	2398	2.667	ug/l	98
95) Naphthalene	13.774	128	17279	2.221	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	5595	2.587	ug/l	98

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

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