

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101223\
 Data File : VX038253.D
 Acq On : 12 Oct 2023 13:52
 Operator : JC/MD
 Sample : 04699-07 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023

Quant Time: Oct 13 06:39:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 06:37:36 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	115775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	197294	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89283	47.946	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.900%
35) Dibromofluoromethane	5.385	113	69576	48.941	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.880%
50) Toluene-d8	8.647	98	255741	47.077	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.160%
62) 4-Bromofluorobenzene	11.079	95	94228	45.753	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.500%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	546	0.489	ug/l	98
3) Chloromethane	1.307	50	673	0.591	ug/l #	82
4) Vinyl Chloride	1.374	62	736	0.583	ug/l	99
5) Bromomethane	1.605	94	734	0.426	ug/l	87
6) Chloroethane	1.691	64	595	0.531	ug/l #	69
7) Trichlorofluoromethane	1.886	101	1557	0.624	ug/l	98
8) Diethyl Ether	2.130	74	458	0.492	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	609	0.559	ug/l	95
10) Methyl Iodide	2.459	142	774	0.494	ug/l #	84
11) Tert butyl alcohol	2.941	59	1886	4.159	ug/l #	78
12) 1,1-Dichloroethene	2.325	96	507	0.479	ug/l #	55
13) Acrolein	2.233	56	678	2.561	ug/l	99
14) Allyl chloride	2.666	41	815	0.430	ug/l #	84
15) Acrylonitrile	3.075	53	1872	2.209	ug/l	91
16) Acetone	2.374	43	2625	3.378	ug/l	96
17) Carbon Disulfide	2.514	76	1665	0.545	ug/l #	90
18) Methyl Acetate	2.703	43	1507	0.452	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	1877	0.445	ug/l	99
20) Methylene Chloride	2.788	84	894	0.612	ug/l #	93
21) trans-1,2-Dichloroethene	3.093	96	636	0.485	ug/l #	68
22) Diisopropyl ether	3.764	45	1703	0.429	ug/l #	79
23) Vinyl Acetate	3.733	43	5780	1.985	ug/l	98
24) 1,1-Dichloroethane	3.611	63	1055	0.438	ug/l #	83
25) 2-Butanone	4.568	43	2923	2.331	ug/l #	88
26) 2,2-Dichloropropane	4.477	77	746	0.396	ug/l #	54
27) cis-1,2-Dichloroethene	4.495	96	764	0.489	ug/l #	62
28) Bromochloromethane	4.904	49	547	0.503	ug/l #	90
29) Tetrahydrofuran	5.013	42	1617	1.981	ug/l #	86
30) Chloroform	5.105	83	1313	0.498	ug/l #	67
31) Cyclohexane	5.471	56	967	0.479	ug/l #	88
32) 1,1,1-Trichloroethane	5.397	97	824	0.365	ug/l #	23
36) 1,1-Dichloropropene	5.684	75	997	0.509	ug/l #	59
37) Ethyl Acetate	4.733	43	1274	0.547	ug/l #	69
38) Carbon Tetrachloride	5.672	117	1125	0.583	ug/l	86
39) Methylcyclohexane	7.379	83	1116	0.486	ug/l	97
40) Benzene	6.044	78	2516	0.459	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	496m	0.428	ug/l	10/13/2023
42) 1,2-Dichloroethane	6.098	62	1301	0.594	ug/l #	Supervised By :Mahesh
43) Isopropyl Acetate	6.348	43	1379	0.397	ug/l #	77Dadoda
44) Trichloroethene	7.123	130	808	0.563	ug/l	67
45) 1,2-Dichloropropane	7.428	63	525	0.370	ug/l #	56
46) Dibromomethane	7.586	93	611	0.555	ug/l	89
47) Bromodichloromethane	7.824	83	894	0.457	ug/l #	86
48) Methyl methacrylate	7.708	41	807	0.486	ug/l	10/13/2023
49) 1,4-Dioxane	7.671	88	314	7.680	ug/l #	95
51) 4-Methyl-2-Pentanone	8.580	43	4879	2.035	ug/l	96
52) Toluene	8.720	92	1677	0.470	ug/l	87
53) t-1,3-Dichloropropene	8.988	75	802	0.382	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	803	0.364	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	628	0.411	ug/l #	79
56) Ethyl methacrylate	9.122	69	726	0.310	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	1270	0.514	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.244	63	2269	1.973	ug/l	98
59) 2-Hexanone	9.433	43	3782	1.962	ug/l	97
60) Dibromochloromethane	9.519	129	571	0.382	ug/l	95
61) 1,2-Dibromoethane	9.616	107	643	0.389	ug/l	86
64) Tetrachloroethene	9.275	164	661	0.535	ug/l	90
65) Chlorobenzene	10.079	112	2091	0.523	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.165	131	573	0.424	ug/l #	62
67) Ethyl Benzene	10.195	91	3243	0.455	ug/l	89
68) m/p-Xylenes	10.305	106	2490	0.903	ug/l	92
69) o-Xylene	10.640	106	1176	0.437	ug/l	94
70) Styrene	10.659	104	1679	0.383	ug/l	97
71) Bromoform	10.799	173	446	0.401	ug/l #	91
73) Isopropylbenzene	10.963	105	2908	0.427	ug/l	91
74) N-amyl acetate	10.848	43	811	0.279	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	11.213	83	1183	0.474	ug/l	96
76) 1,2,3-Trichloropropane	11.238	75	1091m	0.473	ug/l	
77) Bromobenzene	11.195	156	895	0.539	ug/l	83
78) n-propylbenzene	11.311	91	3544	0.426	ug/l	98
79) 2-Chlorotoluene	11.366	91	2535	0.514	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	2523	0.430	ug/l	94
82) 4-Chlorotoluene	11.457	91	2587	0.443	ug/l	100
83) tert-Butylbenzene	11.713	119	2298	0.401	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	2258	0.386	ug/l	94
85) sec-Butylbenzene	11.890	105	3172	0.427	ug/l	98
86) p-Isopropyltoluene	12.012	119	2453	0.400	ug/l #	74
87) 1,3-Dichlorobenzene	11.976	146	1665	0.499	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	1880m	0.552	ug/l	
89) n-Butylbenzene	12.335	91	2545	0.417	ug/l	93
90) Hexachloroethane	12.536	117	334	0.329	ug/l	88
91) 1,2-Dichlorobenzene	12.341	146	1636	0.510	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	241	0.399	ug/l #	65
93) 1,2,4-Trichlorobenzene	13.591	180	1143	0.531	ug/l	86
94) Hexachlorobutadiene	13.731	225	406	0.469	ug/l	88
95) Naphthalene	13.780	128	2851	0.380	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	910	0.437	ug/l	87

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

10/13/2023
Supervised By :Mahesh
Dadoda

10/13/2023

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