

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051823\
 Data File : VX035744.D
 Acq On : 18 May 2023 15:56
 Operator : JC/MD
 Sample : 02213-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2023

Quant Time: May 19 06:26:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 19 06:25:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/19/2023
 Supervised By : Mahesh Dadoda 05/19/2023

05/19/2023
 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	149000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	283544	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105960	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	160829	61.873	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 123.740%#	
35) Dibromofluoromethane	5.385	113	100825	52.727	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.460%	
50) Toluene-d8	8.647	98	369103	52.250	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.500%	
62) 4-Bromofluorobenzene	11.079	95	144943	50.958	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.920%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	396	0.204	ug/l	89
3) Chloromethane	1.294	50	778	0.330	ug/l #	84
4) Vinyl Chloride	1.373	62	619	0.310	ug/l #	87
5) Bromomethane	1.617	94	492	0.454	ug/l #	76
6) Chloroethane	1.690	64	438	0.361	ug/l	93
7) Trichlorofluoromethane	1.892	101	759	0.258	ug/l #	73
8) Diethyl Ether	2.142	74	296	0.261	ug/l #	39
9) 1,1,2-Trichlorotrifluo...	2.325	101	369	0.211	ug/l #	88
10) Methyl Iodide	2.459	142	595	0.381	ug/l #	82
11) Tert butyl alcohol	3.026	59	539m	1.175	ug/l	
12) 1,1-Dichloroethene	2.318	96	424	0.256	ug/l #	69
13) Acrolein	2.239	56	611	1.123	ug/l	85
14) Allyl chloride	2.672	41	1035	0.291	ug/l #	84
15) Acrylonitrile	3.068	53	1447	1.433	ug/l	95
16) Acetone	2.404	43	2629	2.353	ug/l	93
17) Carbon Disulfide	2.513	76	1286	0.321	ug/l	95
18) Methyl Acetate	2.709	43	1245	0.302	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	1807	0.274	ug/l	91
20) Methylene Chloride	2.788	84	1430	0.706	ug/l	85
21) trans-1,2-Dichloroethene	3.093	96	577	0.317	ug/l	88
22) Diisopropyl ether	3.757	45	2085	0.300	ug/l #	86
23) Vinyl Acetate	3.727	43	6227	1.264	ug/l #	94
24) 1,1-Dichloroethane	3.599	63	1005	0.270	ug/l #	81
25) 2-Butanone	4.580	43	2486	1.607	ug/l	96
26) 2,2-Dichloropropane	4.470	77	690	0.219	ug/l #	74
27) cis-1,2-Dichloroethene	4.489	96	583	0.267	ug/l	72
28) Bromochloromethane	4.903	49	334	0.199	ug/l #	79
29) Tetrahydrofuran	5.037	42	1787	1.838	ug/l #	82
30) Chloroform	5.092	83	1127	0.295	ug/l	99
31) Cyclohexane	5.470	56	513	0.156	ug/l	86
32) 1,1,1-Trichloroethane	5.391	97	780m	0.235	ug/l	
36) 1,1-Dichloropropene	5.696	75	699	0.232	ug/l #	85
37) Ethyl Acetate	4.720	43	1035m	0.329	ug/l	
38) Carbon Tetrachloride	5.671	117	563	0.197	ug/l #	80
39) Methylcyclohexane	7.378	83	785	0.221	ug/l #	59
40) Benzene	6.043	78	2454	0.291	ug/l #	76

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41) Methacrylonitrile	4.946	41	548m	0.293	ug/l	
42) 1,2-Dichloroethane	6.080	62	1179	0.325	ug/l #	75
43) Isopropyl Acetate	6.336	43	1456	0.265	ug/l #	73
44) Trichloroethene	7.141	130	603	0.282	ug/l	50
45) 1,2-Dichloropropane	7.427	63	575	0.257	ug/l	91
46) Dibromomethane	7.580	93	374	0.244	ug/l #	81
47) Bromodichloromethane	7.811	83	595	0.201	ug/l #	70
48) Methyl methacrylate	7.695	41	702	0.259	ug/l #	75
49) 1,4-Dioxane	7.732	88	435m	7.472	ug/l	
51) 4-Methyl-2-Pentanone	8.573	43	4010	1.268	ug/l	100
52) Toluene	8.714	92	1382	0.259	ug/l	87
53) t-1,3-Dichloropropene	8.988	75	707	0.220	ug/l #	43
54) cis-1,3-Dichloropropene	8.366	75	664	0.193	ug/l #	80
55) 1,1,2-Trichloroethane	9.146	97	436	0.208	ug/l	94
56) Ethyl methacrylate	9.116	69	775	0.229	ug/l #	92
57) 1,3-Dichloropropane	9.305	76	977	0.257	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	2157	1.251	ug/l	99
59) 2-Hexanone	9.439	43	2873	1.206	ug/l	93
60) Dibromochloromethane	9.524	129	348	0.174	ug/l	95
61) 1,2-Dibromoethane	9.616	107	543	0.246	ug/l #	77
64) Tetrachloroethene	9.268	164	485	0.290	ug/l #	74
65) Chlorobenzene	10.073	112	1705	0.315	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.171	131	428	0.224	ug/l #	66
67) Ethyl Benzene	10.189	91	2825	0.277	ug/l #	75
68) m/p-Xylenes	10.299	106	1832	0.487	ug/l	98
69) o-Xylene	10.640	106	925	0.248	ug/l	86
70) Styrene	10.658	104	1373	0.228	ug/l	94
71) Bromoform	10.799	173	229	0.182	ug/l #	29
73) Isopropylbenzene	10.963	105	2468	0.276	ug/l	99
74) N-amyl acetate	10.847	43	985	0.237	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	11.213	83	848	0.293	ug/l #	93
76) 1,2,3-Trichloropropane	11.238	75	906m	0.350	ug/l	
77) Bromobenzene	11.201	156	640	0.316	ug/l	96
78) n-propylbenzene	11.305	91	2928	0.279	ug/l	99
79) 2-Chlorotoluene	11.366	91	1866	0.284	ug/l	93
80) 1,3,5-Trimethylbenzene	11.445	105	1881	0.248	ug/l	95
82) 4-Chlorotoluene	11.451	91	2262	0.299	ug/l	96
83) tert-Butylbenzene	11.713	119	1978	0.268	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	2108	0.277	ug/l	100
85) sec-Butylbenzene	11.890	105	2203	0.238	ug/l	91
86) p-Isopropyltoluene	12.012	119	1730	0.227	ug/l #	61
87) 1,3-Dichlorobenzene	11.969	146	1284	0.334	ug/l	93
88) 1,4-Dichlorobenzene	12.036	146	1497m	0.385	ug/l	
89) n-Butylbenzene	12.329	91	1899	0.274	ug/l	98
90) Hexachloroethane	12.536	117	215	0.186	ug/l	78
91) 1,2-Dichlorobenzene	12.335	146	1070	0.284	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.938	75	119	0.185	ug/l #	35
93) 1,2,4-Trichlorobenzene	13.591	180	745	0.328	ug/l	83
94) Hexachlorobutadiene	13.725	225	347	0.385	ug/l	83
95) Naphthalene	13.780	128	2469	0.318	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	852	0.382	ug/l	92

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

