

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022123\
 Data File : VX034210.D
 Acq On : 21 Feb 2023 15:30
 Operator : JC/MD
 Sample : 01627-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2023

Quant Time: Feb 22 02:57:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 02:40:46 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/22/2023
 Supervised By : Mahesh Dadoda 02/22/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	316890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	524473	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	455399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	210165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	199522	46.751	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.500%		
35) Dibromofluoromethane	5.385	113	171028	50.084	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.160%		
50) Toluene-d8	8.647	98	628145	51.234	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.460%		
62) 4-Bromofluorobenzene	11.079	95	219400	46.784	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1010	0.369	ug/l	93
3) Chloromethane	1.300	50	2078	0.527	ug/l #	82
4) Vinyl Chloride	1.374	62	1700	0.474	ug/l	98
5) Bromomethane	1.611	94	1270	0.892	ug/l	89
6) Chloroethane	1.685	64	1088	0.603	ug/l #	84
7) Trichlorofluoromethane	1.886	101	2456	0.506	ug/l #	81
8) Diethyl Ether	2.136	74	1031	0.527	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.331	101	1244	0.364	ug/l	91
10) Methyl Iodide	2.453	142	1234	0.296	ug/l	95
11) Tert butyl alcohol	2.953	59	4126	4.322	ug/l #	95
12) 1,1-Dichloroethene	2.325	96	1476	0.431	ug/l #	66
13) Acrolein	2.233	56	1337	3.068	ug/l #	54
14) Allyl chloride	2.666	41	3291	0.453	ug/l #	84
15) Acrylonitrile	3.074	53	4129	1.983	ug/l	94
16) Acetone	2.386	43	4848	2.202	ug/l	98
17) Carbon Disulfide	2.514	76	4306	0.437	ug/l #	87
18) Methyl Acetate	2.709	43	2409	0.354	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	4667	0.386	ug/l	98
20) Methylene Chloride	2.794	84	3071	0.774	ug/l #	87
21) trans-1,2-Dichloroethene	3.093	96	1655	0.461	ug/l	89
22) Diisopropyl ether	3.769	45	5108	0.401	ug/l #	75
23) Vinyl Acetate	3.733	43	18933	1.854	ug/l #	94
24) 1,1-Dichloroethane	3.611	63	2503	0.358	ug/l #	97
25) 2-Butanone	4.574	43	6282m	1.972	ug/l	
26) 2,2-Dichloropropane	4.483	77	2373	0.374	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	1793	0.422	ug/l	93
28) Bromochloromethane	4.903	49	1309	0.419	ug/l #	88
29) Tetrahydrofuran	5.025	42	4339	2.233	ug/l #	70
30) Chloroform	5.086	83	2930	0.436	ug/l #	71
31) Cyclohexane	5.464	56	2919	0.458	ug/l #	78
32) 1,1,1-Trichloroethane	5.391	97	2275	0.378	ug/l #	49
36) 1,1-Dichloropropene	5.696	75	2219	0.439	ug/l	93
37) Ethyl Acetate	4.733	43	2367	0.419	ug/l #	83
38) Carbon Tetrachloride	5.678	117	2051	0.395	ug/l #	78
39) Methylcyclohexane	7.379	83	2281	0.351	ug/l	95
40) Benzene	6.043	78	5701	0.381	ug/l #	77

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	662m	0.211	ug/l	
42) 1,2-Dichloroethane	6.104	62	2333	0.443	ug/l	81
43) Isopropyl Acetate	6.342	43	3205	0.322	ug/l	94
44) Trichloroethene	7.135	130	1739	0.453	ug/l	82
45) 1,2-Dichloropropane	7.440	63	1512	0.380	ug/l	96
46) Dibromomethane	7.586	93	1064	0.406	ug/l	88
47) Bromodichloromethane	7.830	83	1929	0.358	ug/l #	87
48) Methyl methacrylate	7.708	41	1597	0.338	ug/l	97
49) 1,4-Dioxane	7.677	88	637	6.756	ug/l #	67
51) 4-Methyl-2-Pentanone	8.573	43	10677	1.948	ug/l	97
52) Toluene	8.720	92	3643	0.402	ug/l	94
53) t-1,3-Dichloropropene	8.988	75	1833	0.296	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	2390	0.360	ug/l	94
55) 1,1,2-Trichloroethane	9.159	97	1317	0.360	ug/l	92
56) Ethyl methacrylate	9.122	69	2220	0.359	ug/l #	82
57) 1,3-Dichloropropane	9.317	76	2350	0.369	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.250	63	5267	1.964	ug/l	100
59) 2-Hexanone	9.439	43	7694	1.842	ug/l	100
60) Dibromochloromethane	9.525	129	1343	0.332	ug/l	96
61) 1,2-Dibromoethane	9.616	107	1423	0.368	ug/l	94
64) Tetrachloroethene	9.275	164	1438	0.447	ug/l #	66
65) Chlorobenzene	10.079	112	3787	0.399	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.165	131	1312	0.357	ug/l #	66
67) Ethyl Benzene	10.195	91	6447	0.378	ug/l	97
68) m/p-Xylenes	10.305	106	5320	0.815	ug/l	99
69) o-Xylene	10.640	106	2745	0.422	ug/l	95
70) Styrene	10.665	104	3878	0.367	ug/l	97
71) Bromoform	10.799	173	915	0.305	ug/l #	97
73) Isopropylbenzene	10.963	105	5926	0.370	ug/l	98
74) N-amyl acetate	10.847	43	2926	0.364	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	2102	0.384	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	1717m	0.325	ug/l	
77) Bromobenzene	11.195	156	1619	0.420	ug/l	87
78) n-propylbenzene	11.305	91	7079	0.380	ug/l	97
79) 2-Chlorotoluene	11.366	91	4565	0.400	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	4839	0.359	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.018	75	449m	0.218	ug/l	
82) 4-Chlorotoluene	11.457	91	4894	0.376	ug/l	99
83) tert-Butylbenzene	11.713	119	5228	0.379	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	4848	0.356	ug/l	97
85) sec-Butylbenzene	11.890	105	6254	0.373	ug/l	96
86) p-Isopropyltoluene	12.012	119	5111	0.369	ug/l #	81
87) 1,3-Dichlorobenzene	11.969	146	2787	0.386	ug/l	93
88) 1,4-Dichlorobenzene	12.042	146	3280m	0.450	ug/l	
89) n-Butylbenzene	12.335	91	4196	0.340	ug/l	98
90) Hexachloroethane	12.542	117	902	0.311	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	2708	0.383	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.939	75	431	0.330	ug/l	55
93) 1,2,4-Trichlorobenzene	13.591	180	1696	0.373	ug/l	95
94) Hexachlorobutadiene	13.725	225	827	0.439	ug/l	87
95) Naphthalene	13.780	128	5511	0.360	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1718	0.381	ug/l	95

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

