

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020623\
 Data File : VX034021.D
 Acq On : 06 Feb 2023 12:34
 Operator : JC/MD
 Sample : 01378-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2023-02

Quant Time: Feb 07 03:41:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 07 03:27:39 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/07/2023
 Supervised By : Mahesh Dadoda 02/07/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	239811	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	205415	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	110786	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	59853	37.476	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.960%		
7) Chloroethane-d5	1.666	69	44994	46.405	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.820%		
11) 1,1-Dichloroethene-d2	2.307	63	99483	33.994	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.980%		
21) 2-Butanone-d5	4.446	46	100173	109.397	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.400%		
24) Chloroform-d	5.056	84	134549	46.965	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.940%		
26) 1,2-Dichloroethane-d4	5.952	65	85408	49.410	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.820%		
32) Benzene-d6	5.971	84	283179	48.092	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.180%		
36) 1,2-Dichloropropane-d6	7.306	67	87173	50.076	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.160%		
41) Toluene-d8	8.647	98	263342	47.145	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.300%		
43) trans-1,3-Dichloroprop...	8.946	79	37804	47.853	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.700%		
47) 2-Hexanone-d5	9.385	63	72537	111.114	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	111.110%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	114808	52.595	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.180%		
66) 1,2-Dichlorobenzene-d4	12.317	152	113206	51.052	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	4080	2.287	ug/L	92
3) Chloromethane	1.295	50	3456	2.122	ug/L	95
5) Vinyl chloride	1.374	62	3438	2.088	ug/L #	66
6) Bromomethane	1.612	94	1832	2.145	ug/L	95
8) Chloroethane	1.685	64	2029	2.318	ug/L	100
9) Trichlorofluoromethane	1.886	101	5333	2.285	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	4731	2.931	ug/L #	86
12) 1,1-Dichloroethene	2.319	96	4107	2.782	ug/L #	1
13) Acetone	2.374	43	4899	5.200	ug/L	99
14) Carbon disulfide	2.514	76	8806	2.204	ug/L	100
15) Methyl Acetate	2.703	43	3522	2.347	ug/L	99
16) Methylene chloride	2.788	84	3979	2.545	ug/L	95
17) trans-1,2-Dichloroethene	3.087	96	3621	2.376	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	10121	2.281	ug/L	96
19) 1,1-Dichloroethane	3.605	63	5964	2.242	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	3857	2.214	ug/L	95
22) 2-Butanone	4.562	43	5934	5.070	ug/L	81
23) Bromochloromethane	4.898	128	2079	2.174	ug/L #	92
25) Chloroform	5.093	83	7842	2.855	ug/L	94

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27) 1,2-Dichloroethane	6.086	62	5161m	2.448	ug/L	
29) Cyclohexane	5.471	56	5706	2.271	ug/L #	91
30) 1,1,1-Trichloroethane	5.385	97	5269	2.269	ug/L #	91
31) Carbon tetrachloride	5.684	117	4874	2.256	ug/L	100
33) Benzene	6.038	78	14373m	2.353	ug/L	
35) Methylcyclohexane	7.379	83	6324	2.396	ug/L	97
37) 1,2-Dichloropropane	7.434	63	3557	2.286	ug/L #	92
38) Bromodichloromethane	7.824	83	4380	2.214	ug/L #	98
39) cis-1,3-Dichloropropene	8.366	75	5264	2.204	ug/L	97
40) 4-Methyl-2-pentanone	8.574	43	8577	4.480	ug/L	99
42) Toluene	8.720	91	15386	2.355	ug/L	96
44) trans-1,3-Dichloropropene	8.976	75	4657	2.192	ug/L	95
45) 1,1,2-Trichloroethane	9.153	97	3782	2.401	ug/L	95
46) Tetrachloroethene	9.275	164	3814	2.400	ug/L	97
48) 2-Hexanone	9.433	43	8146	5.339	ug/L	92
49) Dibromochloromethane	9.519	129	3771	2.219	ug/L	94
50) 1,2-Dibromoethane	9.610	107	4065	2.402	ug/L	93
51) Chlorobenzene	10.080	112	10249	2.322	ug/L	98
52) Ethylbenzene	10.195	91	16328	2.274	ug/L	98
53) m,p-Xylene	10.299	106	6562	2.277	ug/L	99
54) o-Xylene	10.640	106	6180	2.219	ug/L	99
55) Styrene	10.653	104	9660	2.068	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	5945	2.685	ug/L	96
59) Bromoform	10.799	173	2802	2.078	ug/L	97
60) Isopropylbenzene	10.964	105	16631	2.298	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	4025	2.393	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	12962	2.188	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	12661	2.168	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	8392	2.332	ug/L	95
65) 1,4-Dichlorobenzene	12.043	146	8863	2.433	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	8480	2.410	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	870m	2.111	ug/L	
69) 1,3,5-Trichlorobenzene	13.116	180	5955	2.194	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	5440	2.208	ug/L	99
71) Naphthalene	13.780	128	13685	2.006	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5555	2.284	ug/L	98

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

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