

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081622\
 Data File : VX030646.D
 Acq On : 16 Aug 2022 11:38
 Operator : JC/MD
 Sample : N4015-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2022-06

Quant Time: Aug 17 02:43:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 17 02:19:30 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 08/17/2022
 Supervised By :Semsettin Yesilyurt 08/17/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	271757	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	246482	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	113657	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	50569	28.976	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	57.960%#		
7) Chloroethane-d5	1.666	69	49160	39.959	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	79.920%		
11) 1,1-Dichloroethene-d2	2.307	63	92855	28.128	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	56.260%#		
21) 2-Butanone-d5	4.465	46	205193	126.898	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	126.900%		
24) Chloroform-d	5.062	84	163184	45.424	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.840%		
26) 1,2-Dichloroethane-d4	5.958	65	116995	47.962	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.920%		
32) Benzene-d6	5.977	84	291886	41.341	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.680%		
36) 1,2-Dichloropropane-d6	7.312	67	109815	47.939	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.880%		
41) Toluene-d8	8.653	98	245250	36.851	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	73.700%#		
43) trans-1,3-Dichloroprop...	8.952	79	46091	40.446	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.900%		
47) 2-Hexanone-d5	9.385	63	137283	117.576	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	117.580%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	174860	58.108	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	116.220%		
66) 1,2-Dichlorobenzene-d4	12.323	152	99106	44.956	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	4105	2.007	ug/L	98
3) Chloromethane	1.288	50	3754	2.135	ug/L #	82
5) Vinyl chloride	1.374	62	4386	2.335	ug/L #	70
6) Bromomethane	1.612	94	1669	1.891	ug/L	85
8) Chloroethane	1.685	64	2764	2.584	ug/L	91
9) Trichlorofluoromethane	1.886	101	6050	2.180	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	4556	2.760	ug/L	92
12) 1,1-Dichloroethene	2.319	96	4097	2.694	ug/L #	1
13) Acetone	2.392	43	6122	5.166	ug/L	98
14) Carbon disulfide	2.508	76	9411	1.909	ug/L	100
15) Methyl Acetate	2.715	43	6366	2.595	ug/L	98
16) Methylene chloride	2.794	84	5875	3.046	ug/L	92
17) trans-1,2-Dichloroethene	3.093	96	3954	2.244	ug/L	91
18) Methyl tert-butyl Ether	3.123	73	13865	2.314	ug/L	99
19) 1,1-Dichloroethane	3.611	63	8059	2.365	ug/L #	88
20) cis-1,2-Dichloroethene	4.489	96	5045	2.545	ug/L	83
22) 2-Butanone	4.580	43	9468m	5.064	ug/L	
23) Bromochloromethane	4.910	128	2550	2.565	ug/L #	80
27) 1,2-Dichloroethane	6.086	62	7360m	2.469	ug/L	

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29) Cyclohexane	5.458	56	6526m	1.992	ug/L	
30) 1,1,1-Trichloroethane	5.379	97	7111m	2.187	ug/L	
31) Carbon tetrachloride	5.678	117	5780	2.154	ug/L	93
33) Benzene	6.044	78	18279	2.313	ug/L	100
35) Methylcyclohexane	7.385	83	6344	1.904	ug/L	96
37) 1,2-Dichloropropane	7.428	63	5451	2.594	ug/L #	93
38) Bromodichloromethane	7.830	83	6513	2.342	ug/L #	97
39) cis-1,3-Dichloropropene	8.373	75	6527m	2.082	ug/L	
40) 4-Methyl-2-pentanone	8.580	43	15956	4.361	ug/L	98
42) Toluene	8.720	91	19119	2.290	ug/L	98
44) trans-1,3-Dichloropropene	8.982	75	6972	2.273	ug/L	91
45) 1,1,2-Trichloroethane	9.159	97	4779	2.446	ug/L	97
46) Tetrachloroethene	9.281	164	3053	2.111	ug/L	89
49) Dibromochloromethane	9.525	129	4788	2.303	ug/L	87
50) 1,2-Dibromoethane	9.616	107	5036	2.344	ug/L #	93
51) Chlorobenzene	10.080	112	12829	2.467	ug/L	97
52) Ethylbenzene	10.195	91	18917	2.078	ug/L	94
53) m,p-Xylene	10.299	106	6999	2.063	ug/L	94
54) o-Xylene	10.640	106	6737	1.993	ug/L	90
55) Styrene	10.659	104	10816	1.900	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	8619	2.899	ug/L	95
59) Bromoform	10.805	173	2716	2.194	ug/L #	92
60) Isopropylbenzene	10.964	105	17073	2.119	ug/L	97
61) 1,2,3-Trichloropropane	11.244	75	6366	2.608	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	14155	2.058	ug/L	97
63) 1,2,4-Trimethylbenzene	11.756	105	13371	1.925	ug/L	95
64) 1,3-Dichlorobenzene	11.969	146	8007	2.286	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	8077	2.269	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	8416	2.324	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.945	75	1612	2.002	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.116	180	5100	2.077	ug/L	94
70) 1,2,4-trichlorobenzene	13.591	180	4600	2.133	ug/L	94
71) Naphthalene	13.780	128	16860	1.888	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	5085	2.232	ug/L	95

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

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