

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081822\
 Data File : VV027430.D
 Acq On : 18 Aug 2022 11:25
 Operator : SY/MD
 Sample : N4015-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 18 20:48:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 18 02:23:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/19/2022
 Supervised By :Semsettin Yesilyurt 08/30/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	290953	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	297901	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	141883	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	94799	47.790	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.580%		
7) Chloroethane-d5	1.564	69	65749	45.339	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.680%		
11) 1,1-Dichloroethene-d2	2.105	63	163570	45.081	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.160%		
21) 2-Butanone-d5	3.879	46	141370	80.065	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	80.060%		
24) Chloroform-d	4.346	84	187158	46.061	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.120%		
26) 1,2-Dichloroethane-d4	5.027	65	125533	49.759	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.520%		
32) Benzene-d6	5.047	84	362792	50.784	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.560%		
36) 1,2-Dichloropropane-d6	6.066	67	122638m	48.260	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.520%		
41) Toluene-d8	7.313	98	303011	49.762	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.520%		
43) trans-1,3-Dichloroprop...	7.622	79	48596	43.873	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.740%		
47) 2-Hexanone-d5	8.088	63	86567	70.728	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	70.730%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	158441	38.259	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	76.520%		
66) 1,2-Dichlorobenzene-d4	11.622	152	110566	45.126	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	5385	2.081	ug/L	94
3) Chloromethane	1.240	50	5532	1.871	ug/L	97
5) Vinyl chloride	1.310	62	6291	2.136	ug/L #	60
6) Bromomethane	1.519	94	2937	2.115	ug/L	91
8) Chloroethane	1.581	64	3153	1.921	ug/L	98
9) Trichlorofluoromethane	1.751	101	9342	2.472	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	6908	3.296	ug/L	88
12) 1,1-Dichloroethene	2.114	96	5927	2.940	ug/L #	1
13) Acetone	2.172	43	7279	5.346	ug/L	73
14) Carbon disulfide	2.294	76	12498	1.821	ug/L	96
15) Methyl Acetate	2.436	43	7368m	2.379	ug/L	
17) trans-1,2-Dichloroethene	2.761	96	4953	2.220	ug/L	92
18) Methyl tert-butyl Ether	2.767	73	15688	2.364	ug/L #	84
19) 1,1-Dichloroethane	3.191	63	11067	2.471	ug/L	99
20) cis-1,2-Dichloroethene	3.918	96	5945m	2.565	ug/L	
22) 2-Butanone	4.005	43	10594m	5.676	ug/L	
23) Bromochloromethane	4.249	128	3093m	2.390	ug/L	
25) Chloroform	4.375	83	17729	3.917	ug/L	90
27) 1,2-Dichloroethane	5.137	62	7625	2.163	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.670	56	6933m	2.021	ug/L	
30) 1,1,1-Trichloroethane	4.603	97	9712	2.460	ug/L	94
31) Carbon tetrachloride	4.828	117	8625	2.516	ug/L	99
33) Benzene	5.101	78	20609	2.153	ug/L	100
35) Methylcyclohexane	6.127	83	7191	1.995	ug/L	93
37) 1,2-Dichloropropane	6.178	63	6108	2.277	ug/L	98
38) Bromodichloromethane	6.516	83	8303	2.363	ug/L	96
39) cis-1,3-Dichloropropene	7.037	75	8198	2.308	ug/L	96
40) 4-Methyl-2-pentanone	7.233	43	15559	4.067	ug/L #	81
42) Toluene	7.391	91	20799	2.137	ug/L	97
44) trans-1,3-Dichloropropene	7.657	75	7845	2.247	ug/L	100
45) 1,1,2-Trichloroethane	7.841	97	6061	2.345	ug/L	96
46) Tetrachloroethene	7.976	164	4054	2.260	ug/L	91
48) 2-Hexanone	8.146	43	18571	6.094	ug/L #	84
49) Dibromochloromethane	8.246	129	6520	2.386	ug/L	95
50) 1,2-Dibromoethane	8.355	107	6037	2.270	ug/L #	99
51) Chlorobenzene	8.882	112	14910	2.284	ug/L	98
52) Ethylbenzene	9.014	91	19967	1.988	ug/L	97
53) m,p-Xylene	9.140	106	6778	1.786	ug/L	94
54) o-Xylene	9.545	106	6810	1.842	ug/L	97
55) Styrene	9.564	104	10973	1.684	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.236	83	10816	2.498	ug/L #	89
59) Bromoform	9.735	173	4091	2.427	ug/L #	95
60) Isopropylbenzene	9.931	105	17860	1.997	ug/L	97
61) 1,2,3-Trichloropropane	10.271	75	8156	2.504	ug/L	96
62) 1,3,5-Trimethylbenzene	10.538	105	14822	2.007	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	13355	1.846	ug/L	95
64) 1,3-Dichlorobenzene	11.185	146	9646	2.226	ug/L	95
65) 1,4-Dichlorobenzene	11.271	146	11078	2.429	ug/L	96
67) 1,2-Dichlorobenzene	11.641	146	11772	2.593	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.426	75	2582	2.825	ug/L	83
69) 1,3,5-Trichlorobenzene	12.644	180	6767	2.325	ug/L	98
70) 1,2,4-trichlorobenzene	13.262	180	5682	2.350	ug/L	97
71) Naphthalene	13.506	128	15158	1.831	ug/L	97
72) 1,2,3-Trichlorobenzene	13.744	180	5382	2.009	ug/L	95

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

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