

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042923\
 Data File : VU053979.D
 Acq On : 28 Apr 2023 19:08
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050082

Quant Time: Apr 29 04:33:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 14 01:54:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	254981	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	240597	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	129330	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	86733	43.685	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.360%		
7) Chloroethane-d5	1.912	69	84354	55.104	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	110.200%		
11) 1,1-Dichloroethene-d2	2.568	63	137616	44.777	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.560%		
21) 2-Butanone-d5	4.626	46	81259	90.396	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.400%		
24) Chloroform-d	5.060	84	161513	49.188	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.380%		
26) 1,2-Dichloroethane-d4	5.697	65	94476	48.692	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.380%		
32) Benzene-d6	5.722	84	313812	48.321	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.640%		
36) 1,2-Dichloropropane-d6	6.684	67	96167	48.446	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.900%		
41) Toluene-d8	7.893	98	301211	46.664	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.320%		
43) trans-1,3-Dichloroprop...	8.176	79	48852	47.676	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.360%		
47) 2-Hexanone-d5	8.629	63	66453	98.090	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.090%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	140651	50.272	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.540%		
66) 1,2-Dichlorobenzene-d4	12.188	152	122113	45.234	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.460%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	90877	43.912	ug/L	98
3) Chloromethane	1.520	50	84352	49.603	ug/L	98
5) Vinyl chloride	1.604	62	98727	50.094	ug/L	98
6) Bromomethane	1.858	94	75485	52.639	ug/L	100
8) Chloroethane	1.935	64	77842	65.671	ug/L	99
9) Trichlorofluoromethane	2.137	101	162266	53.530	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	91333	52.025	ug/L	94
12) 1,1-Dichloroethene	2.578	96	79322	50.699	ug/L	97
13) Acetone	2.639	43	75368	93.293	ug/L	89
14) Carbon disulfide	2.790	76	161142	38.935	ug/L	98
15) Methyl Acetate	2.948	43	64787	52.357	ug/L	91
16) Methylene chloride	3.044	84	92846	52.796	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	80251	51.037	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	265562	57.942	ug/L	98
19) 1,1-Dichloroethane	3.864	63	151482	58.158	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	99298	54.673	ug/L	98
22) 2-Butanone	4.706	43	94507	96.562	ug/L	89
23) Bromochloromethane	4.970	128	53902	53.281	ug/L	96
25) Chloroform	5.083	83	175311	58.682	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	118962	54.373	ug/L	98
29) Cyclohexane	5.385	56	104664	45.188	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	148612	56.057	ug/L	100
31) Carbon tetrachloride	5.520	117	126199	53.131	ug/L	99
33) Benzene	5.768	78	348117	55.533	ug/L	100
34) Trichloroethene	6.536	95	98243	51.817	ug/L	96
35) Methylcyclohexane	6.758	83	127615	45.791	ug/L	98
37) 1,2-Dichloropropane	6.784	63	92413	58.059	ug/L	99
38) Bromodichloromethane	7.099	83	122482	57.682	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	150484	57.855	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	180982	104.633	ug/L	96
42) Toluene	7.964	91	385846	54.315	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	141971	57.737	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	104529	59.814	ug/L	98
46) Tetrachloroethene	8.549	164	75887	48.234	ug/L	96
48) 2-Hexanone	8.681	43	145097	103.702	ug/L	98
49) Dibromochloromethane	8.806	129	99350	54.674	ug/L	97
50) 1,2-Dibromoethane	8.918	107	107953	55.214	ug/L	100
51) Chlorobenzene	9.443	112	263376	53.810	ug/L	99
52) Ethylbenzene	9.565	91	425442	53.799	ug/L	99
53) m,p-Xylene	9.690	106	165450	53.495	ug/L	99
54) o-Xylene	10.095	106	165512	54.127	ug/L	97
55) Styrene	10.108	104	282355	56.690	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	155963	60.785	ug/L	98
59) Bromoform	10.285	173	71085	53.699	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	117812	62.825	ug/L	99
61) Isopropylbenzene	10.478	105	434634	56.842	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	358828	56.452	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	356001	56.548	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	216160	54.102	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	213758	52.493	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	218036	54.755	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	28682	57.374	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	150722	50.942	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	139822	50.972	ug/L	99
71) Naphthalene	14.082	128	452193	55.074	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	140349	51.225	ug/L	100

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

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