

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041323\
 Data File : VU053682.D
 Acq On : 13 Apr 2023 13:05
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050199

Quant Time: Apr 14 01:55:32 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	232150	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	224124	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	121775	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	77763	43.019	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.040%		
7) Chloroethane-d5	1.906	69	66717	47.869	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.740%		
11) 1,1-Dichloroethene-d2	2.562	63	122434	43.755	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.500%		
21) 2-Butanone-d5	4.613	46	98281	120.085	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	120.080%		
24) Chloroform-d	5.057	84	144759	48.422	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.840%		
26) 1,2-Dichloroethane-d4	5.697	65	90800	51.400	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.800%		
32) Benzene-d6	5.723	84	284281	46.991	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.980%		
36) 1,2-Dichloropropane-d6	6.684	67	90522	48.954	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.900%		
41) Toluene-d8	7.893	98	268573	44.666	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.340%		
43) trans-1,3-Dichloroprop...	8.176	79	44981	47.125	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.260%		
47) 2-Hexanone-d5	8.626	63	74061	117.356	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	117.360%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	136571	52.402	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	104.800%		
66) 1,2-Dichlorobenzene-d4	12.188	152	112658	44.321	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.382	85	74676	39.632	ug/L	99
3) Chloromethane	1.520	50	80768	52.166	ug/L	96
5) Vinyl chloride	1.601	62	91158	50.803	ug/L	100
6) Bromomethane	1.845	94	64277	49.232	ug/L	97
8) Chloroethane	1.928	64	56090	51.973	ug/L	95
9) Trichlorofluoromethane	2.134	101	126308	45.766	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	71780	44.908	ug/L	91
12) 1,1-Dichloroethene	2.575	96	61682	43.301	ug/L	97
13) Acetone	2.620	43	65691	89.312	ug/L	95
14) Carbon disulfide	2.787	76	157293	41.743	ug/L	97
15) Methyl Acetate	2.941	43	69455	61.650	ug/L	99
16) Methylene chloride	3.041	84	79461	49.629	ug/L	95
17) trans-1,2-Dichloroethene	3.346	96	65523	45.769	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	222594	53.344	ug/L	99
19) 1,1-Dichloroethane	3.864	63	123820	52.213	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	78601	47.534	ug/L	94
22) 2-Butanone	4.694	43	98970	111.067	ug/L	97
23) Bromochloromethane	4.967	128	43425	47.146	ug/L	90
25) Chloroform	5.083	83	140317	51.587	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	107474	53.954	ug/L	98
29) Cyclohexane	5.382	56	97766	45.312	ug/L	93
30) 1,1,1-Trichloroethane	5.311	97	111038	44.962	ug/L	96
31) Carbon tetrachloride	5.520	117	95299	43.071	ug/L	99
33) Benzene	5.768	78	293751	50.305	ug/L	100
34) Trichloroethene	6.539	95	78024	44.178	ug/L	96
35) Methylcyclohexane	6.758	83	115644	44.546	ug/L	98
37) 1,2-Dichloropropane	6.787	63	77854	52.508	ug/L	98
38) Bromodichloromethane	7.102	83	100371	50.743	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	126957	52.397	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	191417	118.799	ug/L	99
42) Toluene	7.964	91	311379	47.054	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	120091	52.429	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	83428	51.248	ug/L	98
46) Tetrachloroethene	8.549	164	58177	39.695	ug/L	93
48) 2-Hexanone	8.677	43	148216	113.717	ug/L	99
49) Dibromochloromethane	8.806	129	78276	46.243	ug/L	97
50) 1,2-Dibromoethane	8.919	107	90332	49.597	ug/L	99
51) Chlorobenzene	9.443	112	213241	46.769	ug/L	97
52) Ethylbenzene	9.565	91	342008	46.427	ug/L	100
53) m,p-Xylene	9.690	106	131053	45.488	ug/L	96
54) o-Xylene	10.095	106	131003	45.990	ug/L	94
55) Styrene	10.111	104	224990	48.493	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	135534	56.705	ug/L	95
59) Bromoform	10.285	173	57488	46.122	ug/L	96
60) 1,2,3-Trichloropropane	10.819	75	104777	59.340	ug/L	97
61) Isopropylbenzene	10.481	105	338290	46.987	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	284803	47.586	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	285643	48.187	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	163672	43.506	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	168182	43.864	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	171154	45.648	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	27258	57.908	ug/L	89
69) 1,3,5-Trichlorobenzene	13.217	180	111058	39.865	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	99150	38.387	ug/L	98
71) Naphthalene	14.082	128	351707	45.493	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	105021	40.709	ug/L	98

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

