

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050923\
 Data File : VU054134.D
 Acq On : 09 May 2023 20:31
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050097

Quant Time: May 10 04:36:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 06 01:14:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	232730	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	223821	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	128308	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	57003	32.385	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.780%
7) Chloroethane-d5	1.906	69	50965	44.110	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.220%
11) 1,1-Dichloroethene-d2	2.565	63	118861	38.073	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.140%
21) 2-Butanone-d5	4.616	46	98625	98.243	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.240%
24) Chloroform-d	5.057	84	147299	45.565	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.120%
26) 1,2-Dichloroethane-d4	5.694	65	95927	46.216	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.440%
32) Benzene-d6	5.723	84	271374	41.191	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.380%
36) 1,2-Dichloropropane-d6	6.684	67	88058	42.339	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.680%
41) Toluene-d8	7.893	98	255034	42.877	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.760%
43) trans-1,3-Dichloroprop...	8.173	79	44764	43.491	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.980%
47) 2-Hexanone-d5	8.626	63	65552	87.997	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.000%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	131417	47.970	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.940%
66) 1,2-Dichlorobenzene-d4	12.189	152	112983	45.075	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	69760	41.545	ug/L	98
3) Chloromethane	1.520	50	65597	42.507	ug/L	97
5) Vinyl chloride	1.604	62	71451	43.531	ug/L	99
6) Bromomethane	1.851	94	37074	40.519	ug/L	100
8) Chloroethane	1.928	64	45930	51.351	ug/L	98
9) Trichlorofluoromethane	2.134	101	118832	45.623	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	70083	44.990	ug/L	99
12) 1,1-Dichloroethene	2.578	96	61328	45.429	ug/L	91
13) Acetone	2.626	43	64448	65.407	ug/L	100
14) Carbon disulfide	2.790	76	128921	43.027	ug/L	98
15) Methyl Acetate	2.945	43	73476	47.615	ug/L	97
16) Methylene chloride	3.041	84	76744	45.075	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	64033	46.387	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	236087	46.521	ug/L	98
19) 1,1-Dichloroethane	3.864	63	135780	45.812	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	77287	45.561	ug/L	99
22) 2-Butanone	4.697	43	98860	84.981	ug/L	95
23) Bromochloromethane	4.967	128	41337	47.003	ug/L	95
25) Chloroform	5.083	83	149239	47.717	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	112008	46.560	ug/L	100
29) Cyclohexane	5.382	56	96284	41.624	ug/L	98
30) 1,1,1-Trichloroethane	5.308	97	124705	44.700	ug/L	97
31) Carbon tetrachloride	5.520	117	108707	45.674	ug/L	100
33) Benzene	5.768	78	287669	44.157	ug/L	100
34) Trichloroethene	6.536	95	75889	43.890	ug/L	98
35) Methylcyclohexane	6.758	83	97612	40.252	ug/L	98
37) 1,2-Dichloropropane	6.784	63	79826	43.310	ug/L	99
38) Bromodichloromethane	7.099	83	106304	45.779	ug/L	100
39) cis-1,3-Dichloropropene	7.600	75	120331	41.734	ug/L	100
40) 4-Methyl-2-pentanone	7.784	43	194055	90.346	ug/L	99
42) Toluene	7.964	91	308461	45.481	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	121720	44.421	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	83652	46.890	ug/L	96
46) Tetrachloroethene	8.549	164	59952	43.705	ug/L	97
48) 2-Hexanone	8.677	43	151413	88.950	ug/L	99
49) Dibromochloromethane	8.803	129	83026	47.229	ug/L	98
50) 1,2-Dibromoethane	8.919	107	86176	47.591	ug/L	99
51) Chlorobenzene	9.439	112	207546	45.753	ug/L	100
52) Ethylbenzene	9.565	91	344667	45.154	ug/L	99
53) m,p-Xylene	9.687	106	133215	46.476	ug/L	99
54) o-Xylene	10.095	106	133105	47.467	ug/L	94
55) Styrene	10.108	104	230267	47.875	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	131711	46.868	ug/L	99
59) Bromoform	10.285	173	64154	44.661	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	103392	43.382	ug/L	99
61) Isopropylbenzene	10.478	105	353122	43.599	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	288452	43.461	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	286478	43.792	ug/L	99
64) 1,3-Dichlorobenzene	11.738	146	172432	43.530	ug/L	100
65) 1,4-Dichlorobenzene	11.828	146	176624	43.781	ug/L	100
67) 1,2-Dichlorobenzene	12.205	146	175891	43.997	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	26970	44.357	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	123750	43.112	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	110765	42.565	ug/L	99
71) Naphthalene	14.079	128	330875	43.837	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	115736	44.710	ug/L	99

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

