

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050823\
 Data File : VU054112.D
 Acq On : 09 May 2023 04:10
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050095

Quant Time: May 09 06:14:35 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	241418	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.410	117	232618	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	130734	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67659	37.056	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.120%
7) Chloroethane-d5	1.906	69	55198	46.055	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.100%
11) 1,1-Dichloroethene-d2	2.565	63	134955	41.673	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.340%
21) 2-Butanone-d5	4.616	46	107123	102.868	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.870%
24) Chloroform-d	5.057	84	160867	47.971	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.940%
26) 1,2-Dichloroethane-d4	5.694	65	101407	47.098	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.200%
32) Benzene-d6	5.719	84	293450	42.857	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.720%
36) 1,2-Dichloropropane-d6	6.684	67	96129	44.472	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.940%
41) Toluene-d8	7.893	98	275383	44.548	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.100%
43) trans-1,3-Dichloroprop...	8.173	79	46097	43.093	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.180%
47) 2-Hexanone-d5	8.629	63	72476	93.612	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.610%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	139744	49.080	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.160%
66) 1,2-Dichlorobenzene-d4	12.188	152	120364	47.129	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	72533	41.642	ug/L	99
3) Chloromethane	1.517	50	68856	43.013	ug/L	99
5) Vinyl chloride	1.604	62	73455	43.142	ug/L	100
6) Bromomethane	1.851	94	37711	39.732	ug/L	97
8) Chloroethane	1.928	64	48479	52.250	ug/L	98
9) Trichlorofluoromethane	2.134	101	123149	45.579	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	71651	44.341	ug/L	98
12) 1,1-Dichloroethene	2.575	96	63480	45.331	ug/L	97
13) Acetone	2.626	43	66579	65.138	ug/L	98
14) Carbon disulfide	2.790	76	132335	42.577	ug/L	99
15) Methyl Acetate	2.945	43	74808	46.734	ug/L	99
16) Methylene chloride	3.041	84	80331	45.484	ug/L	95
17) trans-1,2-Dichloroethene	3.346	96	65397	45.670	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	244503	46.445	ug/L	98
19) 1,1-Dichloroethane	3.861	63	140746	45.779	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	82690	46.992	ug/L	94
22) 2-Butanone	4.697	43	105391	87.335	ug/L	99
23) Bromochloromethane	4.970	128	43560	47.748	ug/L	95
25) Chloroform	5.079	83	152885	47.123	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	115649	46.343	ug/L	99
29) Cyclohexane	5.382	56	97091	40.385	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	131507	45.356	ug/L	99
31) Carbon tetrachloride	5.520	117	113252	45.784	ug/L	98
33) Benzene	5.768	78	297754	43.976	ug/L	100
34) Trichloroethene	6.536	95	79915	44.470	ug/L	98
35) Methylcyclohexane	6.758	83	101514	40.278	ug/L	98
37) 1,2-Dichloropropane	6.784	63	82417	43.025	ug/L	97
38) Bromodichloromethane	7.099	83	111483	46.194	ug/L	96
39) cis-1,3-Dichloropropene	7.600	75	123841	41.327	ug/L	97
40) 4-Methyl-2-pentanone	7.784	43	204984	91.825	ug/L	99
42) Toluene	7.964	91	316470	44.898	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	123281	43.289	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	85922	46.341	ug/L	97
46) Tetrachloroethene	8.549	164	61259	42.969	ug/L	99
48) 2-Hexanone	8.677	43	160025	90.454	ug/L	99
49) Dibromochloromethane	8.803	129	84875	46.455	ug/L	94
50) 1,2-Dibromoethane	8.919	107	88072	46.799	ug/L	96
51) Chlorobenzene	9.443	112	214304	45.456	ug/L	100
52) Ethylbenzene	9.565	91	354663	44.706	ug/L	98
53) m,p-Xylene	9.687	106	136431	45.798	ug/L	95
54) o-Xylene	10.095	106	135397	46.459	ug/L	99
55) Styrene	10.108	104	236471	47.306	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	137554	47.096	ug/L	98
59) Bromoform	10.285	173	67684	46.244	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	106571	43.886	ug/L	99
61) Isopropylbenzene	10.478	105	360134	43.639	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	292994	43.326	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	286284	42.950	ug/L	98
64) 1,3-Dichlorobenzene	11.738	146	174678	43.279	ug/L	98
65) 1,4-Dichlorobenzene	11.828	146	178331	43.384	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	182261	44.744	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	29037	46.870	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	117375	40.132	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	105694	39.862	ug/L	99
71) Naphthalene	14.079	128	326794	42.493	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	111486	42.269	ug/L	100

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

