

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050523\
 Data File : VU054072.D
 Acq On : 05 May 2023 16:26
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

Quant Time: May 06 01:17:51 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	244280	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	233201	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	131003	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	73283	39.666	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.340%
7) Chloroethane-d5	1.906	69	51361	42.351	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.700%
11) 1,1-Dichloroethene-d2	2.565	63	144783	44.184	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.360%
21) 2-Butanone-d5	4.620	46	111858	106.157	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.160%
24) Chloroform-d	5.057	84	161383	47.561	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.120%
26) 1,2-Dichloroethane-d4	5.694	65	105548	48.447	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.900%
32) Benzene-d6	5.722	84	312544	45.532	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.060%
36) 1,2-Dichloropropane-d6	6.684	67	97983	45.216	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.440%
41) Toluene-d8	7.893	98	288396	46.536	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.080%
43) trans-1,3-Dichloroprop...	8.173	79	50581	47.166	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.340%
47) 2-Hexanone-d5	8.629	63	76625	98.724	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.720%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	143199	50.168	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.340%
66) 1,2-Dichlorobenzene-d4	12.188	152	123856	48.397	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	78578	44.584	ug/L	98
3) Chloromethane	1.517	50	72217	44.584	ug/L	98
5) Vinyl chloride	1.604	62	78301	45.449	ug/L	98
6) Bromomethane	1.854	94	40846	42.531	ug/L	94
8) Chloroethane	1.928	64	43103	45.912	ug/L	98
9) Trichlorofluoromethane	2.134	101	129217	47.264	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	75903	46.422	ug/L	99
12) 1,1-Dichloroethene	2.575	96	66021	46.593	ug/L	94
13) Acetone	2.629	43	74469	72.003	ug/L	98
14) Carbon disulfide	2.790	76	143513	45.633	ug/L	98
15) Methyl Acetate	2.944	43	79032	48.794	ug/L	98
16) Methylene chloride	3.041	84	83153	46.530	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	66500	45.897	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	256671	48.186	ug/L	98
19) 1,1-Dichloroethane	3.864	63	147089	47.281	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	85919	48.255	ug/L	95
22) 2-Butanone	4.700	43	112147	91.844	ug/L	96
23) Bromochloromethane	4.967	128	44403	48.102	ug/L	96
25) Chloroform	5.079	83	158452	48.267	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	120944	47.897	ug/L	99
29) Cyclohexane	5.382	56	105690	43.852	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	135806	46.721	ug/L	99
31) Carbon tetrachloride	5.517	117	115411	46.541	ug/L	99
33) Benzene	5.767	78	312430	46.029	ug/L	100
34) Trichloroethene	6.536	95	81680	45.339	ug/L	98
35) Methylcyclohexane	6.758	83	111520	44.138	ug/L	98
37) 1,2-Dichloropropane	6.784	63	87199	45.407	ug/L	100
38) Bromodichloromethane	7.099	83	114196	47.200	ug/L	98
39) cis-1,3-Dichloropropene	7.600	75	138885	46.231	ug/L	97
40) 4-Methyl-2-pentanone	7.783	43	218994	97.855	ug/L	100
42) Toluene	7.964	91	333282	47.165	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	131446	46.041	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	87364	47.001	ug/L	97
46) Tetrachloroethene	8.549	164	63394	44.355	ug/L	98
48) 2-Hexanone	8.681	43	172105	97.039	ug/L	99
49) Dibromochloromethane	8.803	129	88851	48.510	ug/L	99
50) 1,2-Dibromoethane	8.918	107	90992	48.229	ug/L	99
51) Chlorobenzene	9.443	112	220492	46.652	ug/L	99
52) Ethylbenzene	9.565	91	366438	46.075	ug/L	99
53) m,p-Xylene	9.687	106	140971	47.204	ug/L	98
54) o-Xylene	10.095	106	142042	48.617	ug/L	97
55) Styrene	10.108	104	243097	48.510	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	142280	48.592	ug/L	99
59) Bromoform	10.285	173	69645	47.486	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	111863	45.971	ug/L	100
61) Isopropylbenzene	10.478	105	376824	45.568	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	312778	46.157	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	308412	46.175	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	184813	45.696	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	185528	45.042	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	190090	46.570	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	30057	48.417	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	136538	46.588	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	122956	46.278	ug/L	99
71) Naphthalene	14.079	128	360401	46.766	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	125503	47.485	ug/L	99

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

