

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051023\
 Data File : VU054136.D
 Acq On : 10 May 2023 10:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050098

Quant Time: May 11 05:11:40 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	236382	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	225289	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	124916	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	56705	31.718	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.440%
7) Chloroethane-d5	1.906	69	42735	36.416	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.840%
11) 1,1-Dichloroethene-d2	2.565	63	120893	38.126	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.260%
21) 2-Butanone-d5	4.620	46	97016	95.148	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.150%
24) Chloroform-d	5.057	84	148964	45.368	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.740%
26) 1,2-Dichloroethane-d4	5.693	65	94652	44.897	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.800%
32) Benzene-d6	5.722	84	268482	40.486	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.980%
36) 1,2-Dichloropropane-d6	6.684	67	87682	41.884	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.760%
41) Toluene-d8	7.893	98	251637	42.031	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.060%
43) trans-1,3-Dichloroprop...	8.172	79	43956	42.428	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.860%
47) 2-Hexanone-d5	8.629	63	63476	84.655	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.650%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	130891	47.467	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.940%
66) 1,2-Dichlorobenzene-d4	12.188	152	110805	45.407	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	78379	45.957	ug/L	100
3) Chloromethane	1.517	50	73579	46.943	ug/L	98
5) Vinyl chloride	1.604	62	78981	47.375	ug/L	98
6) Bromomethane	1.854	94	40349	43.417	ug/L	100
8) Chloroethane	1.925	64	44391	48.864	ug/L	97
9) Trichlorofluoromethane	2.134	101	134254	50.747	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	80997	51.193	ug/L	99
12) 1,1-Dichloroethene	2.575	96	67683	49.362	ug/L	90
13) Acetone	2.629	43	67664	67.609	ug/L	95
14) Carbon disulfide	2.790	76	143712	47.223	ug/L	97
15) Methyl Acetate	2.944	43	76151	48.586	ug/L	100
16) Methylene chloride	3.041	84	82945	47.964	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	70570	50.333	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	253281	49.138	ug/L	98
19) 1,1-Dichloroethane	3.861	63	147212	48.902	ug/L	98
20) cis-1,2-Dichloroethene	4.658	96	85471	49.607	ug/L	98
22) 2-Butanone	4.700	43	104401	88.357	ug/L	96
23) Bromochloromethane	4.970	128	46775	52.365	ug/L	92
25) Chloroform	5.083	83	160305	50.463	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	121720	49.815	ug/L	99
29) Cyclohexane	5.382	56	105510	45.315	ug/L	100
30) 1,1,1-Trichloroethane	5.308	97	138242	49.230	ug/L	99
31) Carbon tetrachloride	5.520	117	119665	49.951	ug/L	100
33) Benzene	5.767	78	314307	47.931	ug/L	100
34) Trichloroethene	6.536	95	85363	49.047	ug/L	98
35) Methylcyclohexane	6.758	83	110882	45.426	ug/L	99
37) 1,2-Dichloropropane	6.783	63	88187	47.535	ug/L	99
38) Bromodichloromethane	7.102	83	116063	49.656	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	131762	45.401	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	206966	95.729	ug/L	99
42) Toluene	7.963	91	340334	49.854	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	128097	46.443	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	89142	49.642	ug/L	95
46) Tetrachloroethene	8.549	164	66805	48.383	ug/L	99
48) 2-Hexanone	8.680	43	155146	90.549	ug/L	100
49) Dibromochloromethane	8.803	129	90778	51.302	ug/L	99
50) 1,2-Dibromoethane	8.918	107	92796	50.913	ug/L	99
51) Chlorobenzene	9.443	112	228727	50.094	ug/L	99
52) Ethylbenzene	9.565	91	381318	49.630	ug/L	100
53) m,p-Xylene	9.690	106	145483	50.426	ug/L	98
54) o-Xylene	10.095	106	146659	51.960	ug/L	94
55) Styrene	10.108	104	251165	51.880	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	141619	50.065	ug/L	99
59) Bromoform	10.285	173	70749	50.589	ug/L	99
60) 1,2,3-Trichloropropane	10.815	75	110171	47.482	ug/L	100
61) Isopropylbenzene	10.478	105	389836	49.439	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	322225	49.868	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	318461	50.003	ug/L	100
64) 1,3-Dichlorobenzene	11.741	146	190196	49.318	ug/L	98
65) 1,4-Dichlorobenzene	11.831	146	195657	49.816	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	193204	49.639	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.989	75	28030	47.352	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	138633	49.608	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	123996	48.943	ug/L	97
71) Naphthalene	14.079	128	349024	47.497	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	125177	49.670	ug/L	99

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

