

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021924\
 Data File : VU057877.D
 Acq On : 19 Feb 2024 10:40
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050144

Quant Time: Feb 20 01:00:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 19 16:46:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	208517	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	210471	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	120204	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	97555	58.452	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 116.900%	
7) Chloroethane-d5	1.872	69	36224	27.977	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	= 55.960%#	
11) 1,1-Dichloroethene-d2	2.550	63	162098	52.882	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 105.760%	
21) 2-Butanone-d5	4.611	46	91841	99.154	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 99.150%	
24) Chloroform-d	5.049	84	161313	54.486	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 108.980%	
26) 1,2-Dichloroethane-d4	5.689	65	103983	55.404	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 110.800%	
32) Benzene-d6	5.714	84	327469	51.502	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 103.000%	
36) 1,2-Dichloropropane-d6	6.682	67	104828	52.207	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 104.420%	
41) Toluene-d8	7.891	98	295765	51.309	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 102.620%	
43) trans-1,3-Dichloroprop...	8.174	79	50200	51.107	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 102.220%	
47) 2-Hexanone-d5	8.634	63	82647	100.839	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 100.840%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	142065	54.351	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 108.700%	
66) 1,2-Dichlorobenzene-d4	12.190	152	109097	47.241	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 94.480%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	68798	37.319	ug/L	100
3) Chloromethane	1.515	50	64570	37.451	ug/L	97
5) Vinyl chloride	1.599	62	72993	40.071	ug/L	95
6) Bromomethane	1.824	94	24258	21.648	ug/L	96
8) Chloroethane	1.895	64	37186	34.196	ug/L	98
9) Trichlorofluoromethane	2.110	101	121566	47.729	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	81754	54.382	ug/L	99
12) 1,1-Dichloroethene	2.563	96	61739	44.967	ug/L	92
13) Acetone	2.612	43	129525	108.852	ug/L	100
14) Carbon disulfide	2.776	76	93050	21.947	ug/L	99
15) Methyl Acetate	2.933	43	90969	60.092	ug/L	99
16) Methylene chloride	3.030	84	86071	54.259	ug/L	91
17) trans-1,2-Dichloroethene	3.338	96	63375	45.297	ug/L	96
18) Methyl tert-butyl Ether	3.348	73	314304	63.996	ug/L	99
19) 1,1-Dichloroethane	3.849	63	173266	61.710	ug/L	98
20) cis-1,2-Dichloroethene	4.650	96	92063	57.007	ug/L	97
22) 2-Butanone	4.689	43	151589	119.543	ug/L	98
23) Bromochloromethane	4.959	128	44183	55.806	ug/L	97
25) Chloroform	5.074	83	179793	62.528	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	139764	58.696	ug/L	99
29) Cyclohexane	5.373	56	107942	39.413	ug/L	94
30) 1,1,1-Trichloroethane	5.303	97	144207	53.120	ug/L	99
31) Carbon tetrachloride	5.512	117	118678	50.210	ug/L	100
33) Benzene	5.763	78	340193	51.060	ug/L	100
34) Trichloroethene	6.534	95	89751	50.097	ug/L	97
35) Methylcyclohexane	6.753	83	113549	39.617	ug/L	96
37) 1,2-Dichloropropane	6.782	63	108128	59.194	ug/L	99
38) Bromodichloromethane	7.097	83	138358	60.158	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	168906	57.047	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	300708	132.247	ug/L	98
42) Toluene	7.962	91	366503	52.522	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	163754	60.243	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	104245	61.803	ug/L	98
46) Tetrachloroethene	8.547	164	60310	48.534	ug/L	95
48) 2-Hexanone	8.685	43	250856	126.818	ug/L	98
49) Dibromochloromethane	8.804	129	108582	63.828	ug/L	100
50) 1,2-Dibromoethane	8.917	107	101304	56.213	ug/L	99
51) Chlorobenzene	9.441	112	258560	58.343	ug/L	97
52) Ethylbenzene	9.563	91	450284	56.885	ug/L	99
53) m,p-Xylene	9.688	106	167214	57.480	ug/L	95
54) o-Xylene	10.097	106	171125	60.411	ug/L	100
55) Styrene	10.113	104	300633	63.577	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	188705	69.421	ug/L	98
59) Bromoform	10.290	173	81550	58.403	ug/L #	97
60) 1,2,3-Trichloropropane	10.820	75	144473	57.417	ug/L	99
61) Isopropylbenzene	10.479	105	481908	54.879	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	416656	56.541	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	430296	58.341	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	220203	57.875	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	221629	56.790	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	219026	57.104	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	34604	54.220	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	153224	57.178	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	128430	56.104	ug/L	100
71) Naphthalene	14.081	128	333677	54.375	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	117187	54.710	ug/L	99

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

