

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022124\
 Data File : VU057917.D
 Acq On : 21 Feb 2024 11:47
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050149

Quant Time: Feb 21 23:56:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 21 23:55:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	280024	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	271842	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	136056	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	77832	38.392	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.780%
7) Chloroethane-d5	1.907	69	64871	43.293	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.580%
11) 1,1-Dichloroethene-d2	2.563	63	160278	42.422	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.840%
21) 2-Butanone-d5	4.608	46	89251	115.868	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.870%
24) Chloroform-d	5.052	84	161898	47.096	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.692	65	103393	47.979	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.960%
32) Benzene-d6	5.717	84	311403	45.710	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.420%
36) 1,2-Dichloropropane-d6	6.682	67	103672	47.129	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.260%
41) Toluene-d8	7.891	98	284604	46.151	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.300%
43) trans-1,3-Dichloroprop...	8.174	79	50413	48.125	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.240%
47) 2-Hexanone-d5	8.624	63	67129	79.380	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.380%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	130956	43.142	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.280%
66) 1,2-Dichlorobenzene-d4	12.187	152	101731	46.177	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	122853	40.019	ug/L	99
3) Chloromethane	1.518	50	128951	41.313	ug/L	98
5) Vinyl chloride	1.602	62	125870	40.837	ug/L	98
6) Bromomethane	1.853	94	66962	55.642	ug/L	97
8) Chloroethane	1.927	64	76411	42.390	ug/L	98
9) Trichlorofluoromethane	2.136	101	156831	41.582	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	92879	42.372	ug/L	99
12) 1,1-Dichloroethene	2.573	96	85212	42.028	ug/L	96
13) Acetone	2.608	43	114620	80.368	ug/L	100
14) Carbon disulfide	2.788	76	287057	43.263	ug/L	99
15) Methyl Acetate	2.933	43	96250	41.454	ug/L	100
16) Methylene chloride	3.036	84	108501	41.059	ug/L	100
17) trans-1,2-Dichloroethene	3.345	96	93678	44.535	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	337073	46.028	ug/L	99
19) 1,1-Dichloroethane	3.859	63	197688	45.331	ug/L	99
20) cis-1,2-Dichloroethene	4.656	96	107284	44.460	ug/L	99
22) 2-Butanone	4.685	43	139352	80.649	ug/L	98
23) Bromochloromethane	4.965	128	54397	46.397	ug/L	96
25) Chloroform	5.078	83	198154	46.019	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	161340	45.032	ug/L	99
29) Cyclohexane	5.380	56	165524	41.372	ug/L	100
30) 1,1,1-Trichloroethane	5.306	97	159810	43.624	ug/L	100
31) Carbon tetrachloride	5.518	117	136997	43.549	ug/L	100
33) Benzene	5.766	78	423102	44.624	ug/L	100
34) Trichloroethene	6.534	95	110230	45.227	ug/L	99
35) Methylcyclohexane	6.756	83	168583	42.574	ug/L	99
37) 1,2-Dichloropropane	6.782	63	121562	45.437	ug/L	99
38) Bromodichloromethane	7.097	83	149501	46.535	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	186698	45.664	ug/L	100
40) 4-Methyl-2-pentanone	7.778	43	277402	82.371	ug/L	98
42) Toluene	7.962	91	445247	45.375	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	177643	46.820	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	107059	45.037	ug/L	99
46) Tetrachloroethene	8.547	164	75826	45.207	ug/L	98
48) 2-Hexanone	8.676	43	216118	78.623	ug/L	99
49) Dibromochloromethane	8.801	129	109837	46.396	ug/L	98
50) 1,2-Dibromoethane	8.917	107	113460	45.331	ug/L	99
51) Chlorobenzene	9.441	112	280369	44.932	ug/L	98
52) Ethylbenzene	9.563	91	492532	44.764	ug/L	99
53) m,p-Xylene	9.688	106	179839	44.944	ug/L	100
54) o-Xylene	10.094	106	180647	45.692	ug/L	96
55) Styrene	10.106	104	307137	45.303	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	167653	41.401	ug/L	98
59) Bromoform	10.283	173	75801	45.386	ug/L #	99
60) 1,2,3-Trichloropropane	10.814	75	130481	41.394	ug/L	99
61) Isopropylbenzene	10.476	105	474590	44.635	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	398543	43.506	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	402228	43.697	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	208946	44.445	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	210889	44.034	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	201042	43.467	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	30242	40.408	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	140007	44.278	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	118645	46.603	ug/L	100
71) Naphthalene	14.080	128	279203	41.298	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	102092	43.659	ug/L	100

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

