

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052524\
 Data File : VU058989.D
 Acq On : 25 May 2024 10:47
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050161

Quant Time: May 27 04:03:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 22:25:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	131045	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	128743	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	67500	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	59181	42.700	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.400%
7) Chloroethane-d5	1.878	69	54337	47.173	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.340%
11) 1,1-Dichloroethene-d2	2.550	63	101628	47.994	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.980%
21) 2-Butanone-d5	4.608	46	98823	103.802	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.800%
24) Chloroform-d	5.049	84	118839	49.989	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.980%
26) 1,2-Dichloroethane-d4	5.692	65	74905	51.520	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.040%
32) Benzene-d6	5.714	84	234825	53.501	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.000%
36) 1,2-Dichloropropane-d6	6.679	67	77889	53.727	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.460%
41) Toluene-d8	7.891	98	200572	50.982	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.960%
43) trans-1,3-Dichloroprop...	8.174	79	30774	47.275	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.540%
47) 2-Hexanone-d5	8.627	63	64697	107.904	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.900%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	121192	55.568	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.140%
66) 1,2-Dichlorobenzene-d4	12.187	152	71857	51.593	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	39253	44.771	ug/L	99
3) Chloromethane	1.512	50	45686	48.628	ug/L	100
5) Vinyl chloride	1.596	62	49953	45.532	ug/L	97
6) Bromomethane	1.824	94	43681	67.173	ug/L	97
8) Chloroethane	1.901	64	36651	48.714	ug/L	98
9) Trichlorofluoromethane	2.116	101	74977	50.246	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	45460	44.817	ug/L	94
12) 1,1-Dichloroethene	2.563	96	37517	46.213	ug/L	89
13) Acetone	2.615	43	65722	78.297	ug/L	99
14) Carbon disulfide	2.776	76	64244	42.062	ug/L	98
15) Methyl Acetate	2.936	43	73341	54.217	ug/L	99
16) Methylene chloride	3.030	84	59052	45.600	ug/L	96
17) trans-1,2-Dichloroethene	3.338	96	38105	46.722	ug/L	97
18) Methyl tert-butyl Ether	3.348	73	169890	52.628	ug/L	99
19) 1,1-Dichloroethane	3.856	63	109424	52.669	ug/L	98
20) cis-1,2-Dichloroethene	4.650	96	53387	49.453	ug/L	94
22) 2-Butanone	4.689	43	103952	95.070	ug/L	97
23) Bromochloromethane	4.962	128	26473	47.041	ug/L	93
25) Chloroform	5.074	83	111524	50.842	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	86870	51.884	ug/L	100
29) Cyclohexane	5.377	56	59419	54.224	ug/L	97
30) 1,1,1-Trichloroethane	5.303	97	81593	52.805	ug/L	98
31) Carbon tetrachloride	5.512	117	62346	49.954	ug/L	100
33) Benzene	5.763	78	215497	55.677	ug/L	100
34) Trichloroethene	6.531	95	51360	49.997	ug/L	98
35) Methylcyclohexane	6.753	83	55373	45.989	ug/L	94
37) 1,2-Dichloropropane	6.782	63	70052	55.690	ug/L	100
38) Bromodichloromethane	7.097	83	83628	53.496	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	86147	49.719	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	211448	117.919	ug/L	96
42) Toluene	7.962	91	218103	52.570	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	80406	49.022	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	65326	52.603	ug/L	99
46) Tetrachloroethene	8.547	164	30979	45.229	ug/L	98
48) 2-Hexanone	8.676	43	165575	112.143	ug/L	97
49) Dibromochloromethane	8.801	129	57514	48.464	ug/L	95
50) 1,2-Dibromoethane	8.917	107	60233	50.758	ug/L	94
51) Chlorobenzene	9.441	112	135716	49.491	ug/L	99
52) Ethylbenzene	9.563	91	228822	50.964	ug/L	99
53) m,p-Xylene	9.688	106	81973	50.828	ug/L	95
54) o-Xylene	10.094	106	83891	51.971	ug/L	97
55) Styrene	10.106	104	151637	52.590	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	127148	56.815	ug/L	97
59) Bromoform	10.283	173	44586	49.836	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	99036	57.655	ug/L	98
61) Isopropylbenzene	10.479	105	224586	52.103	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	176789	52.061	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	180940	52.835	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	107210	47.910	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	110704	48.979	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	117533	51.639	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	24974	53.742	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	71107	45.114	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	58304	42.946	ug/L	97
71) Naphthalene	14.081	128	173278	43.759	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	61284	44.072	ug/L	99

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

