

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102323\
 Data File : VU055858.D
 Acq On : 23 Oct 2023 16:50
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050123

Quant Time: Oct 23 23:19:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 23 01:04:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	485715	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	488231	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	287844	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	142134	32.624	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.240%
7) Chloroethane-d5	1.888	69	128618	36.116	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.240%
11) 1,1-Dichloroethene-d2	2.560	63	310186	39.930	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.860%
21) 2-Butanone-d5	4.615	46	254618	78.872	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.870%
24) Chloroform-d	5.055	84	353292	42.300	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.695	65	221689	43.123	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.240%
32) Benzene-d6	5.721	84	657568	42.095	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.180%
36) 1,2-Dichloropropane-d6	6.682	67	214614	43.397	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.800%
41) Toluene-d8	7.894	98	593209	42.055	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.120%
43) trans-1,3-Dichloroprop...	8.174	79	97935	41.226	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.460%
47) 2-Hexanone-d5	8.631	63	145604	74.894	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.890%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	370568	48.681	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.360%
66) 1,2-Dichlorobenzene-d4	12.190	152	268319	46.974	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	206101	50.961	ug/L	99
3) Chloromethane	1.518	50	205393	53.672	ug/L	98
5) Vinyl chloride	1.602	62	226036	53.673	ug/L	98
6) Bromomethane	1.830	94	81833	30.396	ug/L	99
8) Chloroethane	1.911	64	140004	50.682	ug/L	99
9) Trichlorofluoromethane	2.126	101	322391	53.580	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	205753	53.171	ug/L	98
12) 1,1-Dichloroethene	2.573	96	183267	53.222	ug/L	81
13) Acetone	2.618	43	277246	92.546	ug/L	98
14) Carbon disulfide	2.785	76	493142	47.060	ug/L	97
15) Methyl Acetate	2.940	43	215374	46.944	ug/L	96
16) Methylene chloride	3.036	84	219942	52.670	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	185797	52.767	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	652030	57.580	ug/L	99
19) 1,1-Dichloroethane	3.859	63	378057	52.356	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	219495	54.619	ug/L	99
22) 2-Butanone	4.695	43	344012	95.272	ug/L	98
23) Bromochloromethane	4.965	128	114768	55.144	ug/L	94
25) Chloroform	5.081	83	401710	53.255	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	313336	51.936	ug/L	98
29) Cyclohexane	5.380	56	320013	57.184	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	344444	54.607	ug/L	98
31) Carbon tetrachloride	5.518	117	294251	53.295	ug/L	98
33) Benzene	5.766	78	833521	54.008	ug/L	100
34) Trichloroethene	6.537	95	225408	53.378	ug/L	98
35) Methylcyclohexane	6.756	83	333886	54.495	ug/L	99
37) 1,2-Dichloropropane	6.782	63	229017	53.889	ug/L	99
38) Bromodichloromethane	7.100	83	299222	53.391	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	358584	55.461	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	637295	107.793	ug/L	97
42) Toluene	7.965	91	904176	55.522	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	334470	54.067	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	227551	54.302	ug/L	98
46) Tetrachloroethene	8.547	164	162008	53.584	ug/L	98
48) 2-Hexanone	8.682	43	559406	112.019	ug/L	96
49) Dibromochloromethane	8.804	129	231302	54.020	ug/L	99
50) 1,2-Dibromoethane	8.917	107	242551	53.888	ug/L	100
51) Chlorobenzene	9.441	112	578599	54.914	ug/L	99
52) Ethylbenzene	9.566	91	1009479	56.699	ug/L	100
53) m,p-Xylene	9.688	106	393849	59.047	ug/L	96
54) o-Xylene	10.097	106	387895	60.096	ug/L	92
55) Styrene	10.110	104	689992	63.103	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	410187	57.166	ug/L	98
59) Bromoform	10.287	173	189505	53.481	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	333553	53.394	ug/L	99
61) Isopropylbenzene	10.479	105	1036269	57.748	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	885276	60.969	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	815679	56.811	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	495806	55.893	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	493218	54.079	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	498183	56.592	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	81457	43.615	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	309834	52.363	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	243403	49.386	ug/L	100
71) Naphthalene	14.084	128	684039	46.722	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	240340	49.460	ug/L	97

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

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