

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102523\
 Data File : VU055890.D
 Acq On : 25 Oct 2023 19:34
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050125

Quant Time: Oct 26 01:57:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 26 01:50:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	528591	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	540600	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	303886	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	170208	35.899	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.800%
7) Chloroethane-d5	1.891	69	153800	39.684	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.360%
11) 1,1-Dichloroethene-d2	2.563	63	343199	40.596	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.200%
21) 2-Butanone-d5	4.615	46	311586	88.690	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.690%
24) Chloroform-d	5.055	84	410621	45.176	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.360%
26) 1,2-Dichloroethane-d4	5.695	65	258077	46.129	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.260%
32) Benzene-d6	5.721	84	789527	45.646	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.300%
36) 1,2-Dichloropropane-d6	6.685	67	258741	47.252	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.500%
41) Toluene-d8	7.894	98	719226	46.050	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.100%
43) trans-1,3-Dichloroprop...	8.174	79	121262	46.100	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.200%
47) 2-Hexanone-d5	8.631	63	287319	133.471	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	133.470%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	456876	54.205	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.420%
66) 1,2-Dichlorobenzene-d4	12.190	152	323316	53.614	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	209476	47.594	ug/L	99
3) Chloromethane	1.518	50	215207	51.675	ug/L	100
5) Vinyl chloride	1.602	62	233269	50.897	ug/L	99
6) Bromomethane	1.830	94	91171	31.117	ug/L	99
8) Chloroethane	1.914	64	148588	49.426	ug/L	98
9) Trichlorofluoromethane	2.129	101	334903	51.144	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	210248	49.926	ug/L	97
12) 1,1-Dichloroethene	2.573	96	200263	53.440	ug/L	86
13) Acetone	2.618	43	192733	59.117	ug/L	98
14) Carbon disulfide	2.785	76	540462	47.392	ug/L	98
15) Methyl Acetate	2.940	43	218624	43.787	ug/L	95
16) Methylene chloride	3.039	84	243486	53.578	ug/L	95
17) trans-1,2-Dichloroethene	3.348	96	204498	53.367	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	716138	58.112	ug/L	97
19) 1,1-Dichloroethane	3.859	63	412933	52.548	ug/L	100
20) cis-1,2-Dichloroethene	4.657	96	244230	55.845	ug/L	96
22) 2-Butanone	4.695	43	302865	77.073	ug/L	96
23) Bromochloromethane	4.968	128	125138	55.250	ug/L	92
25) Chloroform	5.081	83	435032	52.994	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	338611	51.573	ug/L	99
29) Cyclohexane	5.383	56	352343	56.862	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	373639	53.497	ug/L	97
31) Carbon tetrachloride	5.518	117	318805	52.148	ug/L	96
33) Benzene	5.769	78	921129	53.903	ug/L	100
34) Trichloroethene	6.538	95	241555	51.661	ug/L	98
35) Methylcyclohexane	6.759	83	354645	52.276	ug/L	98
37) 1,2-Dichloropropane	6.785	63	247436	52.583	ug/L	99
38) Bromodichloromethane	7.100	83	321014	51.731	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	388669	54.291	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	675219	103.144	ug/L	95
42) Toluene	7.965	91	997199	55.302	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	366000	53.433	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	253271	54.584	ug/L	99
46) Tetrachloroethene	8.550	164	182172	54.417	ug/L	98
48) 2-Hexanone	8.682	43	535105	96.772	ug/L	94
49) Dibromochloromethane	8.804	129	263175	55.510	ug/L	98
50) 1,2-Dibromoethane	8.920	107	269126	54.000	ug/L	99
51) Chlorobenzene	9.444	112	661549	56.704	ug/L	99
52) Ethylbenzene	9.566	91	1138746	57.764	ug/L	99
53) m,p-Xylene	9.692	106	442173	59.870	ug/L	98
54) o-Xylene	10.097	106	441481	61.772	ug/L	96
55) Styrene	10.110	104	776488	64.134	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	462725	58.241	ug/L	99
59) Bromoform	10.287	173	217187	58.058	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	362325	54.937	ug/L	98
61) Isopropylbenzene	10.479	105	1173509	61.944	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	1035592	67.556	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	1037150	68.423	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	557258	59.504	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	554873	57.628	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	556969	59.930	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	99507	50.467	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	378470	60.587	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	327242	62.892	ug/L	98
71) Naphthalene	14.081	128	1056235	68.336	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	327678	63.874	ug/L	98

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

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