

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
 Data File : VU055845.D
 Acq On : 20 Oct 2023 20:15
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050120

Quant Time: Oct 23 01:11:25 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	6.245	114	505303	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	512102	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	291348	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	191013	42.144	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.280%
7) Chloroethane-d5	1.888	69	164058	44.282	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.560%
11) 1,1-Dichloroethene-d2	2.560	63	365926	45.280	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.560%
21) 2-Butanone-d5	4.612	46	287678	85.659	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.660%
24) Chloroform-d	5.055	84	400783	46.126	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.260%
26) 1,2-Dichloroethane-d4	5.695	65	250797	46.894	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.780%
32) Benzene-d6	5.721	84	776345	47.382	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.760%
36) 1,2-Dichloropropane-d6	6.685	67	243001	46.847	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.700%
41) Toluene-d8	7.894	98	709412	47.949	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.900%
43) trans-1,3-Dichloroprop...	8.174	79	111483	44.741	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.480%
47) 2-Hexanone-d5	8.631	63	164231	80.537	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.540%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	410639	51.431	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.860%
66) 1,2-Dichlorobenzene-d4	12.190	152	297867	51.519	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	200778	47.721	ug/L	100
3) Chloromethane	1.518	50	207409	52.098	ug/L	99
5) Vinyl chloride	1.602	62	222997	50.898	ug/L	99
6) Bromomethane	1.830	94	83147	29.687	ug/L	95
8) Chloroethane	1.914	64	143341	49.878	ug/L	98
9) Trichlorofluoromethane	2.126	101	316765	50.604	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	192217	47.748	ug/L	98
12) 1,1-Dichloroethene	2.573	96	179268	50.043	ug/L	91
13) Acetone	2.618	43	206962	66.407	ug/L	99
14) Carbon disulfide	2.785	76	499686	45.836	ug/L	98
15) Methyl Acetate	2.940	43	217657	45.602	ug/L	97
16) Methylene chloride	3.036	84	212584	48.934	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	184456	50.355	ug/L	95
18) Methyl tert-butyl Ether	3.354	73	646758	54.901	ug/L	98
19) 1,1-Dichloroethane	3.859	63	370374	49.304	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	217007	51.907	ug/L	98
22) 2-Butanone	4.692	43	318360	84.750	ug/L	98
23) Bromochloromethane	4.965	128	112244	51.841	ug/L	94
25) Chloroform	5.081	83	390056	49.705	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	311233	49.588	ug/L	100
29) Cyclohexane	5.383	56	303545	51.713	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	336969	50.931	ug/L	98
31) Carbon tetrachloride	5.518	117	287996	49.730	ug/L	97
33) Benzene	5.769	78	821797	50.766	ug/L	100
34) Trichloroethene	6.537	95	218001	49.218	ug/L	99
35) Methylcyclohexane	6.759	83	310423	48.304	ug/L	99
37) 1,2-Dichloropropane	6.785	63	225060	50.489	ug/L	100
38) Bromodichloromethane	7.100	83	289831	49.305	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	331834	48.931	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	651119	104.997	ug/L	97
42) Toluene	7.965	91	879671	51.499	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	326091	50.255	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	221480	50.389	ug/L	99
46) Tetrachloroethene	8.550	164	153349	48.356	ug/L	96
48) 2-Hexanone	8.682	43	558222	106.571	ug/L	97
49) Dibromochloromethane	8.804	129	226117	50.348	ug/L	98
50) 1,2-Dibromoethane	8.920	107	239581	50.747	ug/L	99
51) Chlorobenzene	9.444	112	563376	50.977	ug/L	99
52) Ethylbenzene	9.566	91	984858	52.738	ug/L	99
53) m,p-Xylene	9.692	106	377554	53.965	ug/L	97
54) o-Xylene	10.097	106	381861	56.403	ug/L	98
55) Styrene	10.110	104	663585	57.859	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	407079	54.088	ug/L	100
59) Bromoform	10.287	173	185030	51.590	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	332416	52.572	ug/L	99
61) Isopropylbenzene	10.479	105	1000627	55.092	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	840717	57.204	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	801968	55.184	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	475608	52.971	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	478179	51.800	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	482420	54.142	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	84727	44.820	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	296062	49.434	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	250222	50.159	ug/L	99
71) Naphthalene	14.084	128	841345	56.776	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	259433	52.747	ug/L	97

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

