

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
 Data File : VU057833.D
 Acq On : 07 Feb 2024 11:01
 Operator : MD/SY
 Sample : VSTD20057
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200057

Quant Time: Feb 08 01:08:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:05:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	272888	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	261921	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	137214	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	454947	231.857	ug/L	0.00
7) Chloroethane-d5	1.904	69	309419	203.244	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	819239	204.127	ug/L	0.00
21) 2-Butanone-d5	4.611	46	535560	548.524	ug/L	0.00
24) Chloroform-d	5.052	84	791461	181.346	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	506783	177.558	ug/L	0.00
32) Benzene-d6	5.718	84	1581066	217.672	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	503574	238.754	ug/L	0.00
41) Toluene-d8	7.891	98	1452759	215.802	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	265749	221.844	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	453654	625.592	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	682417	224.130	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	532911	196.952	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	490904	162.460	ug/L	100
3) Chloromethane	1.518	50	458903	224.272	ug/L	99
5) Vinyl chloride	1.602	62	490683	224.147	ug/L	98
6) Bromomethane	1.853	94	293995	204.141	ug/L	98
8) Chloroethane	1.923	64	265095	204.808	ug/L	100
9) Trichlorofluoromethane	2.123	101	675439	160.170	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	400865	189.328	ug/L	100
12) 1,1-Dichloroethene	2.570	96	369051	197.375	ug/L	100
13) Acetone	2.624	43	564041	464.277	ug/L	99
14) Carbon disulfide	2.782	76	1163731	200.919	ug/L	100
15) Methyl Acetate	2.939	43	409769	261.610	ug/L	100
16) Methylene chloride	3.033	84	418458	196.772	ug/L	99
17) trans-1,2-Dichloroethene	3.341	96	382546	200.665	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	1347946	217.860	ug/L	99
19) 1,1-Dichloroethane	3.856	63	768175	213.901	ug/L	99
20) cis-1,2-Dichloroethene	4.656	96	439380	212.514	ug/L	99
22) 2-Butanone	4.692	43	677938	553.574	ug/L	97
23) Bromochloromethane	4.962	128	217568	188.437	ug/L	97
25) Chloroform	5.078	83	783013	185.725	ug/L	99
27) 1,2-Dichloroethane	5.782	62	643961	183.673	ug/L	99
29) Cyclohexane	5.380	56	697457	256.762	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	682533	172.138	ug/L	99
31) Carbon tetrachloride	5.515	117	600955	171.934	ug/L	100
33) Benzene	5.766	78	1673829	218.008	ug/L	100
34) Trichloroethene	6.534	95	453796	204.844	ug/L	99
35) Methylcyclohexane	6.756	83	729174	234.450	ug/L	99
37) 1,2-Dichloropropane	6.782	63	462899	238.211	ug/L	99
38) Bromodichloromethane	7.097	83	600850	194.383	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	787362	236.471	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	1216169	584.991	ug/L	99
42) Toluene	7.962	91	1781096	217.759	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	741302	226.508	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	427120	208.095	ug/L	99
46) Tetrachloroethene	8.547	164	309112	188.326	ug/L	96
48) 2-Hexanone	8.682	43	1020917	597.638	ug/L	97
49) Dibromochloromethane	8.804	129	461064	190.612	ug/L	100
50) 1,2-Dibromoethane	8.917	107	467113	214.248	ug/L	98
51) Chlorobenzene	9.441	112	1133051	207.796	ug/L	98
52) Ethylbenzene	9.563	91	2038956	223.404	ug/L	99
53) m,p-Xylene	9.688	106	755776	221.564	ug/L	97
54) o-Xylene	10.094	106	745784	224.515	ug/L	99
55) Styrene	10.106	104	1297177	231.668	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	714671	226.953	ug/L	100
59) Bromoform	10.286	173	353774	182.743	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	570022	212.820	ug/L	100
61) Isopropylbenzene	10.476	105	2033605	220.326	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	1758782	223.017	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	1773128	229.166	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	889920	206.746	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	898877	203.094	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	879438	202.786	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	161026	225.078	ug/L	87
69) 1,3,5-Trichlorobenzene	13.212	180	641321	207.262	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	572931	238.067	ug/L	99
71) Naphthalene	14.081	128	1687105	292.464	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	540828	240.235	ug/L	100

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

