

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021924\
 Data File : VU057885.D
 Acq On : 19 Feb 2024 16:57
 Operator : MD/SY
 Sample : VSTD10062
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100062

Quant Time: Feb 20 01:18:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:16:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	272855	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	263603	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	138215	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	206052	95.755	ug/L	0.00
7) Chloroethane-d5	1.882	69	153670	93.301	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	370444	93.820	ug/L	0.00
21) 2-Butanone-d5	4.608	46	135071	119.326	ug/L	0.00
24) Chloroform-d	5.049	84	349890	92.262	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.689	65	217942	90.714	ug/L	0.00
32) Benzene-d6	5.714	84	689227	89.056	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	223471	91.084	ug/L	0.00
41) Toluene-d8	7.891	98	632463	90.423	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	112165	93.939	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	177642	180.408	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	310078	96.316	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	234989	91.082	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	267803	107.996	ug/L	99
3) Chloromethane	1.515	50	269514	114.480	ug/L	98
5) Vinyl chloride	1.599	62	267643	109.265	ug/L	100
6) Bromomethane	1.824	94	94006	69.249	ug/L	99
8) Chloroethane	1.904	64	155079	107.220	ug/L	99
9) Trichlorofluoromethane	2.120	101	330230	98.641	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	192476	97.491	ug/L	99
12) 1,1-Dichloroethene	2.567	96	180726	100.217	ug/L	98
13) Acetone	2.612	43	247891	164.232	ug/L	99
14) Carbon disulfide	2.779	76	580396	103.308	ug/L	99
15) Methyl Acetate	2.933	43	202483	100.728	ug/L	99
16) Methylene chloride	3.030	84	206049	98.377	ug/L	99
17) trans-1,2-Dichloroethene	3.338	96	183943	99.845	ug/L	98
18) Methyl tert-butyl Ether	3.348	73	648550	100.499	ug/L	100
19) 1,1-Dichloroethane	3.853	63	382736	103.154	ug/L	98
20) cis-1,2-Dichloroethene	4.650	96	211215	99.363	ug/L	98
22) 2-Butanone	4.685	43	321033	195.158	ug/L	97
23) Bromochloromethane	4.959	128	103671	100.027	ug/L	98
25) Chloroform	5.074	83	377207	99.905	ug/L	100
27) 1,2-Dichloroethane	5.782	62	308218	98.491	ug/L	98
29) Cyclohexane	5.377	56	356049	102.806	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	323057	95.645	ug/L	100
31) Carbon tetrachloride	5.512	117	282558	95.919	ug/L	99
33) Benzene	5.763	78	824093	98.772	ug/L	100
34) Trichloroethene	6.531	95	212718	95.260	ug/L	98
35) Methylcyclohexane	6.753	83	352836	98.259	ug/L	100
37) 1,2-Dichloropropane	6.779	63	235665	102.161	ug/L	99
38) Bromodichloromethane	7.097	83	284992	99.653	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	375298	101.186	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	605675	211.227	ug/L	100
42) Toluene	7.962	91	868248	99.449	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	349447	102.631	ug/L	99

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45) 1,1,2-Trichloroethane	8.393	97	204725	97.374	ug/L	98
46) Tetrachloroethene	8.547	164	147807	95.581	ug/L	97
48) 2-Hexanone	8.676	43	503054	203.361	ug/L	99
49) Dibromochloromethane	8.801	129	216313	102.226	ug/L	97
50) 1,2-Dibromoethane	8.917	107	219387	97.756	ug/L	98
51) Chlorobenzene	9.441	112	547071	99.107	ug/L	98
52) Ethylbenzene	9.563	91	992922	100.281	ug/L	99
53) m,p-Xylene	9.685	106	364929	100.744	ug/L	99
54) o-Xylene	10.094	106	362137	102.132	ug/L	99
55) Styrene	10.106	104	633312	106.364	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	363891	105.724	ug/L	99
59) Bromoform	10.283	173	162740	102.066	ug/L #	99
60) 1,2,3-Trichloropropane	10.817	75	283356	97.705	ug/L	99
61) Isopropylbenzene	10.476	105	994975	99.101	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	872269	102.726	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	877869	103.056	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	438794	100.381	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	438563	97.652	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	429856	97.792	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	74761	103.041	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	297588	97.933	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	253233	98.077	ug/L	99
71) Naphthalene	14.081	128	710883	103.006	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	235022	97.212	ug/L	99

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

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