

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082523\
 Data File : VV031938.D
 Acq On : 25 Aug 2023 16:37
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050284

Quant Time: Aug 26 00:53:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 26 00:50:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	239270	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	236080	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	125277	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	55922	37.345	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.700%
7) Chloroethane-d5	1.532	69	53352	40.644	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.280%
11) 1,1-Dichloroethene-d2	2.063	65	27216	38.815	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.620%
21) 2-Butanone-d5	3.793	46	122516	104.027	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.030%
24) Chloroform-d	4.256	84	146621	44.797	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	4.947	65	95612	44.019	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.040%
32) Benzene-d6	4.966	84	283012	43.933	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.860%
36) 1,2-Dichloropropane-d6	5.995	67	95599	46.106	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.220%
41) Toluene-d8	7.249	98	248611	41.885	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.760%
43) trans-1,3-Dichloroprop...	7.558	79	46696	43.451	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.900%
47) 2-Hexanone-d5	8.030	63	66892	105.258	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.260%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	138622	51.737	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.480%
66) 1,2-Dichlorobenzene-d4	11.564	152	103402	45.278	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	67835	46.570	ug/L	98
3) Chloromethane	1.217	50	75671	50.946	ug/L	99
5) Vinyl chloride	1.285	62	80705	50.878	ug/L	98
6) Bromomethane	1.487	94	44956	48.135	ug/L	98
8) Chloroethane	1.552	64	53094	50.365	ug/L	99
9) Trichlorofluoromethane	1.716	101	108754	47.033	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	68647	49.169	ug/L	98
12) 1,1-Dichloroethene	2.072	96	61193	48.798	ug/L	90
13) Acetone	2.117	43	97925	93.418	ug/L	99
14) Carbon disulfide	2.243	76	147523	51.629	ug/L	100
15) Methyl Acetate	2.378	43	99034	52.973	ug/L	100
16) Methylene chloride	2.452	84	86336	53.576	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	69104	50.264	ug/L	95
18) Methyl tert-butyl Ether	2.709	73	288821	49.707	ug/L	98
19) 1,1-Dichloroethane	3.117	63	157955	51.267	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	86876	50.368	ug/L	98
22) 2-Butanone	3.873	43	141234	101.822	ug/L	96
23) Bromochloromethane	4.156	128	40857	48.824	ug/L	94
25) Chloroform	4.285	83	156353	48.808	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	123234	48.830	ug/L	98
29) Cyclohexane	4.590	56	126081	51.293	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	131554	47.773	ug/L	99
31) Carbon tetrachloride	4.741	117	108400	46.359	ug/L	99
33) Benzene	5.018	78	323857	51.055	ug/L	100
34) Trichloroethene	5.838	95	90231	46.511	ug/L	98
35) Methylcyclohexane	6.056	83	124159	48.117	ug/L	97
37) 1,2-Dichloropropane	6.098	63	93008	51.729	ug/L	99
38) Bromodichloromethane	6.439	83	121030	47.424	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	155799	49.840	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	294492	103.195	ug/L	99
42) Toluene	7.320	91	350453	50.225	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	146831	48.887	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	89954	49.521	ug/L	100
46) Tetrachloroethene	7.911	164	58145	47.733	ug/L	98
48) 2-Hexanone	8.079	43	226317	103.848	ug/L	99
49) Dibromochloromethane	8.181	129	88843	47.596	ug/L	99
50) 1,2-Dibromoethane	8.288	107	91780	48.240	ug/L	100
51) Chlorobenzene	8.818	112	227931	49.160	ug/L	100
52) Ethylbenzene	8.950	91	406831	49.221	ug/L	100
53) m,p-Xylene	9.079	106	148842	48.499	ug/L	98
54) o-Xylene	9.480	106	150148	49.192	ug/L	100
55) Styrene	9.500	104	264795	49.074	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	136760	53.185	ug/L	100
59) Bromoform	9.670	173	62810	48.349	ug/L	99
60) Isopropylbenzene	9.870	105	414515	49.401	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	118307	49.985	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	340944	48.298	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	346834	48.840	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	182145	48.437	ug/L	100
65) 1,4-Dichlorobenzene	11.214	146	186813	48.855	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	183303	49.192	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	33649	47.331	ug/L	97
69) 1,3,5-Trichlorobenzene	12.586	180	132546	48.350	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	129149	49.080	ug/L	99
71) Naphthalene	13.442	128	399772	47.551	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	124000	49.177	ug/L	99

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

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