

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082323\
 Data File : VV031858.D
 Acq On : 23 Aug 2023 10:21
 Operator : SY/MD
 Sample : VSTD05063
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050263

Quant Time: Aug 24 01:28:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 24 01:26:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	279132	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	275762	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	147598	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	89981	44.949	ug/L	0.00
7) Chloroethane-d5	1.529	69	77494	55.542	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.059	65	42191	58.816	ug/L	0.00
21) 2-Butanone-d5	3.786	46	144297	115.908	ug/L	0.00
24) Chloroform-d	4.252	84	195339	43.088	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	131904	47.302	ug/L	0.00
32) Benzene-d6	4.963	84	386143	44.534	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	120807	42.899	ug/L	0.00
41) Toluene-d8	7.246	98	351875	43.800	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.554	79	64046	50.786	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	77741	119.233	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.156	84	159048	45.035	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.564	152	134402	44.880	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	84041	38.013	ug/L	100
3) Chloromethane	1.217	50	87629	48.357	ug/L	100
5) Vinyl chloride	1.281	62	93551	48.754	ug/L	100
6) Bromomethane	1.484	94	56290	49.973	ug/L	100
8) Chloroethane	1.548	64	62934	58.988	ug/L	100
9) Trichlorofluoromethane	1.712	101	137424	48.035	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	82753	53.503	ug/L	100
12) 1,1-Dichloroethene	2.069	96	73203	55.554	ug/L	100
13) Acetone	2.111	43	121883	140.848	ug/L	100
14) Carbon disulfide	2.243	76	172820	49.725	ug/L	100
15) Methyl Acetate	2.371	43	114351	55.493	ug/L	100
16) Methylene chloride	2.449	84	93892	43.098	ug/L	100
17) trans-1,2-Dichloroethene	2.696	96	81519	47.193	ug/L	100
18) Methyl tert-butyl Ether	2.706	73	347531	55.403	ug/L	100
19) 1,1-Dichloroethane	3.114	63	182498	49.221	ug/L	100
20) cis-1,2-Dichloroethene	3.818	96	102255	49.226	ug/L	100
22) 2-Butanone	3.866	43	168682	111.935	ug/L	100
23) Bromochloromethane	4.149	128	50131	46.394	ug/L	100
25) Chloroform	4.278	83	189977	45.622	ug/L	100
27) 1,2-Dichloroethane	5.043	62	151374	48.393	ug/L	100
29) Cyclohexane	4.587	56	145668	52.441	ug/L	100
30) 1,1,1-Trichloroethane	4.516	97	165570	40.958	ug/L	100
31) Carbon tetrachloride	4.738	117	138608	37.824	ug/L	100
33) Benzene	5.014	78	375497	46.322	ug/L	100
34) Trichloroethene	5.834	95	114041	42.535	ug/L	100
35) Methylcyclohexane	6.053	83	153371	47.619	ug/L	100
37) 1,2-Dichloropropane	6.095	63	109868	46.481	ug/L	100
38) Bromodichloromethane	6.436	83	152419	45.023	ug/L	100
39) cis-1,3-Dichloropropene	6.956	75	189367	55.045	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	348167	121.161	ug/L	100
42) Toluene	7.316	91	415838	49.067	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	179280	54.603	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	107189	47.624	ug/L	100
46) Tetrachloroethene	7.908	164	72712	43.019	ug/L	100
48) 2-Hexanone	8.079	43	267673	123.050	ug/L	100
49) Dibromochloromethane	8.178	129	111457	41.838	ug/L	100
50) 1,2-Dibromoethane	8.284	107	112859	44.215	ug/L	100
51) Chlorobenzene	8.818	112	273310	46.769	ug/L	100
52) Ethylbenzene	8.950	91	489370	51.048	ug/L	100
53) m,p-Xylene	9.075	106	182776	54.809	ug/L	100
54) o-Xylene	9.480	106	183357	59.906	ug/L	100
55) Styrene	9.500	104	320028	58.352	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	148843	47.899	ug/L	100
59) Bromoform	9.667	173	78580	45.800	ug/L	100
60) Isopropylbenzene	9.869	105	504285	60.206	ug/L	100
61) 1,2,3-Trichloropropane	10.213	75	141190	49.942	ug/L	100
62) 1,3,5-Trimethylbenzene	10.480	105	420913	62.485	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	422388	61.797	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	222987	49.491	ug/L	100
65) 1,4-Dichlorobenzene	11.213	146	224931	47.731	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	220123	48.071	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	43078	50.827	ug/L	100
69) 1,3,5-Trichlorobenzene	12.586	180	162706	43.466	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	158077	43.517	ug/L	100
71) Naphthalene	13.442	128	509268	47.540	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	150887	39.828	ug/L	100

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

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