

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV083123\
 Data File : VV031972.D
 Acq On : 31 Aug 2023 19:23
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050288

Quant Time: Sep 01 02:12:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 01 00:57:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	287256	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	277072	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	150022	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	87010	48.399	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.800%
7) Chloroethane-d5	1.532	69	71001	45.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.100%
11) 1,1-Dichloroethene-d2	2.060	65	37034	43.994	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.980%
21) 2-Butanone-d5	3.796	46	122088	86.347	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.350%
24) Chloroform-d	4.252	84	162631	41.388	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.780%
26) 1,2-Dichloroethane-d4	4.947	65	104016	39.888	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.780%
32) Benzene-d6	4.963	84	332569	43.988	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.980%
36) 1,2-Dichloropropane-d6	5.992	67	106984	43.964	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.920%
41) Toluene-d8	7.246	98	308431	44.275	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.560%
43) trans-1,3-Dichloroprop...	7.555	79	54388	43.121	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.240%
47) 2-Hexanone-d5	8.030	63	86529	116.014	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.010%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	136630	43.449	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.900%
66) 1,2-Dichlorobenzene-d4	11.564	152	114832	41.989	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	71029	40.617	ug/L	99
3) Chloromethane	1.217	50	79852	44.780	ug/L	100
5) Vinyl chloride	1.285	62	85152	44.714	ug/L	99
6) Bromomethane	1.490	94	48469	43.227	ug/L	98
8) Chloroethane	1.548	64	57639	45.542	ug/L	98
9) Trichlorofluoromethane	1.716	101	120935	43.564	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	74170	44.251	ug/L	99
12) 1,1-Dichloroethene	2.072	96	66264	44.014	ug/L	91
13) Acetone	2.124	43	87944	69.882	ug/L	99
14) Carbon disulfide	2.243	76	152744	44.526	ug/L	100
15) Methyl Acetate	2.378	43	104366	46.499	ug/L	100
16) Methylene chloride	2.449	84	93565	48.363	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	74191	44.949	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	316989	45.442	ug/L	98
19) 1,1-Dichloroethane	3.114	63	171906	46.474	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	94431	45.602	ug/L	99
22) 2-Butanone	3.879	43	138259	83.026	ug/L	95
23) Bromochloromethane	4.153	128	45904	45.692	ug/L	97
25) Chloroform	4.281	83	169714	44.129	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	134159	44.279	ug/L	97
29) Cyclohexane	4.587	56	134752	46.710	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	144146	44.602	ug/L	99
31) Carbon tetrachloride	4.738	117	119322	43.480	ug/L	99
33) Benzene	5.014	78	347608	46.692	ug/L	100
34) Trichloroethene	5.838	95	95092	41.765	ug/L	99
35) Methylcyclohexane	6.053	83	127798	42.200	ug/L	97
37) 1,2-Dichloropropane	6.098	63	98942	46.888	ug/L	99
38) Bromodichloromethane	6.436	83	131960	44.057	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	168258	45.863	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	315458	94.188	ug/L	99
42) Toluene	7.320	91	379923	46.393	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	156630	44.434	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	99206	46.535	ug/L	99
46) Tetrachloroethene	7.908	164	64125	44.854	ug/L	99
48) 2-Hexanone	8.079	43	230398	90.079	ug/L	98
49) Dibromochloromethane	8.178	129	97835	44.659	ug/L	100
50) 1,2-Dibromoethane	8.284	107	98688	44.197	ug/L	98
51) Chlorobenzene	8.818	112	250623	46.057	ug/L	98
52) Ethylbenzene	8.950	91	440672	45.427	ug/L	99
53) m,p-Xylene	9.075	106	163320	45.344	ug/L	98
54) o-Xylene	9.480	106	161047	44.957	ug/L	98
55) Styrene	9.500	104	287569	45.410	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	149937	49.683	ug/L	100
59) Bromoform	9.667	173	68060	43.749	ug/L	99
60) Isopropylbenzene	9.870	105	447256	44.511	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	126924	44.781	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	366203	43.319	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	369908	43.498	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	200704	44.569	ug/L	100
65) 1,4-Dichlorobenzene	11.214	146	206095	45.008	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	200794	44.998	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	36240	42.567	ug/L	98
69) 1,3,5-Trichlorobenzene	12.586	180	137864	41.995	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	136986	43.471	ug/L	100
71) Naphthalene	13.442	128	426143	42.327	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	127628	42.267	ug/L	100

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

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