

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060823\
 Data File : VW031481.D
 Acq On : 09 Jun 2023 04:49
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050364

Quant Time: Jun 09 06:56:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 09 06:27:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	243490	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	255177	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	152643	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	69279	32.338	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.680%
7) Chloroethane-d5	1.532	69	63069	36.363	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.720%
11) 1,1-Dichloroethene-d2	2.063	65	35517	34.981	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.960%
21) 2-Butanone-d5	3.793	46	149851	96.788	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.790%
24) Chloroform-d	4.256	84	179989	44.168	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.340%
26) 1,2-Dichloroethane-d4	4.947	65	120486	44.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.140%
32) Benzene-d6	4.966	84	299463	39.749	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.500%
36) 1,2-Dichloropropane-d6	5.995	67	107302	40.975	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.960%
41) Toluene-d8	7.249	98	278077	40.180	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.360%
43) trans-1,3-Dichloroprop...	7.558	79	50470	38.261	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.520%
47) 2-Hexanone-d5	8.030	63	91664	92.937	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.940%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	146083	44.203	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	11.567	152	120912	42.701	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	49381	50.572	ug/L	97
3) Chloromethane	1.217	50	38958	49.165	ug/L	97
5) Vinyl chloride	1.285	62	46931	49.642	ug/L	100
6) Bromomethane	1.484	94	28175	49.585	ug/L	99
8) Chloroethane	1.548	64	38987	51.184	ug/L	96
9) Trichlorofluoromethane	1.716	101	121226	53.124	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	76621	51.922	ug/L	97
12) 1,1-Dichloroethene	2.072	96	50464	51.951	ug/L	78
13) Acetone	2.117	43	110836	80.024	ug/L	99
14) Carbon disulfide	2.243	76	36755	44.235	ug/L	98
15) Methyl Acetate	2.375	43	113159	54.105	ug/L	100
16) Methylene chloride	2.449	84	79577	54.271	ug/L	97
17) trans-1,2-Dichloroethene	2.699	96	47149	51.195	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	297743	52.596	ug/L	99
19) 1,1-Dichloroethane	3.117	63	172567	54.169	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	81383	54.353	ug/L	96
22) 2-Butanone	3.873	43	165212	97.053	ug/L	99
23) Bromochloromethane	4.153	128	43338	55.040	ug/L	99
25) Chloroform	4.281	83	195673	55.081	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	147386	56.819	ug/L	98
29) Cyclohexane	4.590	56	64353	47.087	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	158432	52.599	ug/L	98
31) Carbon tetrachloride	4.741	117	128819	51.483	ug/L	99
33) Benzene	5.018	78	294370	52.282	ug/L	100
34) Trichloroethene	5.838	95	94557	53.305	ug/L	99
35) Methylcyclohexane	6.056	83	71425	47.078	ug/L	98
37) 1,2-Dichloropropane	6.098	63	109040	53.804	ug/L	100
38) Bromodichloromethane	6.439	83	153732	51.828	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	147882	48.841	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	361248	109.729	ug/L	99
42) Toluene	7.320	91	341659	54.212	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	155795	50.730	ug/L	97
45) 1,1,2-Trichloroethane	7.773	97	113157	54.018	ug/L	99
46) Tetrachloroethene	7.908	164	58917	51.161	ug/L	97
48) 2-Hexanone	8.082	43	287145	111.429	ug/L	98
49) Dibromochloromethane	8.182	129	122223	53.487	ug/L	96
50) 1,2-Dibromoethane	8.288	107	108554	53.828	ug/L	96
51) Chlorobenzene	8.818	112	247244	51.596	ug/L	98
52) Ethylbenzene	8.953	91	412250	52.561	ug/L	100
53) m,p-Xylene	9.079	106	149694	52.961	ug/L	100
54) o-Xylene	9.484	106	152607	53.522	ug/L	98
55) Styrene	9.500	104	294022	56.561	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	160691	50.042	ug/L	98
59) Bromoform	9.670	173	95504	48.829	ug/L	98
60) Isopropylbenzene	9.873	105	447602	51.316	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	158748	51.374	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	369937	51.355	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	380597	52.784	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	229378	51.377	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	236580	50.099	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	237367	51.864	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	43297	52.863	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	170432	49.584	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	144921	49.421	ug/L	99
71) Naphthalene	13.445	128	367724	45.753	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	153829	52.336	ug/L	98

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

