

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070323\
 Data File : VW031641.D
 Acq On : 03 Jul 2023 16:51
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050383

Quant Time: Jul 04 07:10:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 04 07:06:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	235984	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	234945	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	144557	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	70874	45.127	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.260%
7) Chloroethane-d5	1.532	69	64161	46.820	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.640%
11) 1,1-Dichloroethene-d2	2.063	65	35172	43.453	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.900%
21) 2-Butanone-d5	3.796	46	134849	106.037	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.040%
24) Chloroform-d	4.259	84	170324	43.303	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	4.950	65	106213	43.159	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.320%
32) Benzene-d6	4.969	84	278422	42.101	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	5.995	67	99767	42.564	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.120%
41) Toluene-d8	7.249	98	248914	41.016	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.040%
43) trans-1,3-Dichloroprop...	7.558	79	47122	41.239	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.480%
47) 2-Hexanone-d5	8.030	63	95436	103.123	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.120%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	160226	45.288	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.580%
66) 1,2-Dichlorobenzene-d4	11.567	152	107751	39.104	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	110380	44.097	ug/L	99
3) Chloromethane	1.217	50	119738	50.695	ug/L	99
5) Vinyl chloride	1.285	62	114906	49.076	ug/L	97
6) Bromomethane	1.484	94	69608	45.613	ug/L	97
8) Chloroethane	1.548	64	72773	48.122	ug/L	95
9) Trichlorofluoromethane	1.715	101	178693	45.874	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	101141	48.451	ug/L	95
12) 1,1-Dichloroethene	2.072	96	84939	48.645	ug/L	93
13) Acetone	2.117	43	101845	81.159	ug/L	95
14) Carbon disulfide	2.243	76	230495	43.640	ug/L	98
15) Methyl Acetate	2.378	43	118689	56.177	ug/L	98
16) Methylene chloride	2.452	84	98404	44.951	ug/L	96
17) trans-1,2-Dichloroethene	2.699	96	81916	44.943	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	287883	47.336	ug/L	98
19) 1,1-Dichloroethane	3.117	63	188761	47.985	ug/L	98
20) cis-1,2-Dichloroethene	3.821	96	91653	46.531	ug/L	97
22) 2-Butanone	3.876	43	153262	97.766	ug/L	96
23) Bromochloromethane	4.156	128	49944	46.908	ug/L	89
25) Chloroform	4.284	83	188765	46.161	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	152673	48.374	ug/L	100
29) Cyclohexane	4.590	56	139465	45.626	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	169807	45.079	ug/L	98
31) Carbon tetrachloride	4.741	117	149852	44.898	ug/L	98
33) Benzene	5.018	78	367267	46.952	ug/L	100
34) Trichloroethene	5.841	95	95476	45.677	ug/L	91
35) Methylcyclohexane	6.059	83	140520	45.626	ug/L	99
37) 1,2-Dichloropropane	6.098	63	111394	48.496	ug/L	99
38) Bromodichloromethane	6.439	83	143426	46.197	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	157506	46.194	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	311266	115.408	ug/L	97
42) Toluene	7.323	91	387499	47.779	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	159800	48.126	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	103562	47.728	ug/L	100
46) Tetrachloroethene	7.911	164	72567	44.234	ug/L	96
48) 2-Hexanone	8.082	43	240294	111.554	ug/L	95
49) Dibromochloromethane	8.185	129	111449	46.214	ug/L	99
50) 1,2-Dibromoethane	8.288	107	107394	46.483	ug/L	98
51) Chlorobenzene	8.821	112	246220	45.838	ug/L	99
52) Ethylbenzene	8.953	91	418634	46.259	ug/L	100
53) m,p-Xylene	9.078	106	154519	46.624	ug/L	98
54) o-Xylene	9.487	106	148135	47.101	ug/L	97
55) Styrene	9.503	104	277338	49.377	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	169608	47.840	ug/L	98
59) Bromoform	9.670	173	84318	47.055	ug/L #	99
60) Isopropylbenzene	9.873	105	413611	44.880	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	138757	48.598	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	334573	43.925	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	311858	43.942	ug/L	98
64) 1,3-Dichlorobenzene	11.123	146	206085	44.603	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	216670	44.007	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	209021	44.822	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	42141	49.728	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	156828	44.546	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	140196	45.430	ug/L	99
71) Naphthalene	13.445	128	397387	50.839	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	149791	46.710	ug/L	97

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

