

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052223\
 Data File : VW031174.D
 Acq On : 22 May 2023 18:31
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050350

Quant Time: May 23 04:54:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 23 04:42:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	273343	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	259499	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	156993	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	71823	30.746	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.500%
7) Chloroethane-d5	1.535	69	68037	37.806	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.620%
11) 1,1-Dichloroethene-d2	2.063	65	37869	34.569	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.140%
21) 2-Butanone-d5	3.802	46	119381	95.907	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.910%
24) Chloroform-d	4.259	84	172031	41.627	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.260%
26) 1,2-Dichloroethane-d4	4.950	65	121605	43.546	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.100%
32) Benzene-d6	4.969	84	293164	41.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.340%
36) 1,2-Dichloropropane-d6	5.995	67	88851	42.212	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.420%
41) Toluene-d8	7.249	98	274988	41.882	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.760%
43) trans-1,3-Dichloroprop...	7.558	79	47690	45.159	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.320%
47) 2-Hexanone-d5	8.030	63	77054	93.890	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.890%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	145347	46.039	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.080%
66) 1,2-Dichlorobenzene-d4	11.567	152	122850	43.546	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	83351	47.233	ug/L	99
3) Chloromethane	1.217	50	87414	45.247	ug/L	97
5) Vinyl chloride	1.288	62	81780	47.392	ug/L	99
6) Bromomethane	1.490	94	40426	41.802	ug/L	93
8) Chloroethane	1.555	64	55844	50.222	ug/L	100
9) Trichlorofluoromethane	1.719	101	163650	48.217	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	84865	47.415	ug/L	96
12) 1,1-Dichloroethene	2.076	96	71343	46.987	ug/L	90
13) Acetone	2.127	43	108497	67.046	ug/L	99
14) Carbon disulfide	2.249	76	130373	47.118	ug/L	98
15) Methyl Acetate	2.381	43	94248	51.244	ug/L	100
16) Methylene chloride	2.455	84	89959	53.219	ug/L	95
17) trans-1,2-Dichloroethene	2.699	96	68660	48.909	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	287055	52.932	ug/L	99
19) 1,1-Dichloroethane	3.117	63	157071	49.095	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	85128	49.190	ug/L	97
22) 2-Butanone	3.883	43	132679	85.498	ug/L	99
23) Bromochloromethane	4.156	128	47355	49.795	ug/L	97
25) Chloroform	4.284	83	178578	49.967	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	157042	51.789	ug/L	99
29) Cyclohexane	4.593	56	100458	49.196	ug/L	99
30) 1,1,1-Trichloroethane	4.522	97	162607	51.065	ug/L	99
31) Carbon tetrachloride	4.744	117	141317	50.941	ug/L	99
33) Benzene	5.018	78	326286	52.484	ug/L	100
34) Trichloroethene	5.841	95	82566	49.566	ug/L	98
35) Methylcyclohexane	6.059	83	110912	50.177	ug/L	99
37) 1,2-Dichloropropane	6.101	63	87277	51.006	ug/L	100
38) Bromodichloromethane	6.439	83	135102	50.934	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	134418	50.944	ug/L	98
40) 4-Methyl-2-pentanone	7.165	43	279744	106.243	ug/L	99
42) Toluene	7.323	91	359957	53.516	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	144628	54.183	ug/L	100
45) 1,1,2-Trichloroethane	7.776	97	95548	51.172	ug/L	98
46) Tetrachloroethene	7.911	164	71901	50.267	ug/L	96
48) 2-Hexanone	8.082	43	222321	101.374	ug/L	97
49) Dibromochloromethane	8.185	129	107540	51.047	ug/L	95
50) 1,2-Dibromoethane	8.287	107	93351	50.286	ug/L	100
51) Chlorobenzene	8.821	112	245170	51.212	ug/L	99
52) Ethylbenzene	8.953	91	405285	52.628	ug/L	97
53) m,p-Xylene	9.078	106	156515	52.394	ug/L	99
54) o-Xylene	9.484	106	155225	52.673	ug/L	99
55) Styrene	9.503	104	281206	53.954	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	155031	50.533	ug/L	99
59) Bromoform	9.670	173	90476	49.702	ug/L	99
60) Isopropylbenzene	9.873	105	428497	51.034	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	124727	51.643	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	350093	50.727	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	347479	51.493	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	220661	51.291	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	228213	50.990	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	219981	50.393	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	35615	48.039	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	167883	50.480	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	145624	51.452	ug/L	99
71) Naphthalene	13.445	128	408713	55.594	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	151660	53.623	ug/L	99

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

