

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121423\
 Data File : VW033348.D
 Acq On : 14 Dec 2023 20:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050361

Quant Time: Dec 15 00:49:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	230638	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	233456	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	149682	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	58120	42.154	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.300%		
7) Chloroethane-d5	1.532	69	45076	46.922	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.840%		
11) 1,1-Dichloroethene-d2	2.059	65	25286	48.209	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.420%		
21) 2-Butanone-d5	3.786	46	61917	90.416	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.420%		
24) Chloroform-d	4.249	84	159584	54.540	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	109.080%		
26) 1,2-Dichloroethane-d4	4.937	65	99747	54.831	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	109.660%		
32) Benzene-d6	4.960	84	283893	51.995	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.980%		
36) 1,2-Dichloropropane-d6	5.989	67	67875	46.234	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.460%		
41) Toluene-d8	7.243	98	290007	55.679	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	111.360%		
43) trans-1,3-Dichloroprop...	7.551	79	47685	51.367	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	102.740%		
47) 2-Hexanone-d5	8.024	63	59712	101.246	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.250%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	113512	54.392	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	108.780%		
66) 1,2-Dichlorobenzene-d4	11.561	152	149145	56.002	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	112.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	132133	52.412	ug/L	100
3) Chloromethane	1.214	50	62972	37.873	ug/L	98
5) Vinyl chloride	1.285	62	73550	46.123	ug/L	98
6) Bromomethane	1.484	94	50377	48.414	ug/L	94
8) Chloroethane	1.548	64	42400	49.942	ug/L	95
9) Trichlorofluoromethane	1.715	101	158964	60.412	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	73185	59.228	ug/L	94
12) 1,1-Dichloroethene	2.069	96	67275	58.182	ug/L	97
13) Acetone	2.114	43	50533	77.297	ug/L	98
14) Carbon disulfide	2.243	76	186076	44.854	ug/L	99
15) Methyl Acetate	2.371	43	47835	43.901	ug/L #	83
16) Methylene chloride	2.445	84	82679	53.999	ug/L	87
17) trans-1,2-Dichloroethene	2.693	96	81304	53.554	ug/L	91
18) Methyl tert-butyl Ether	2.703	73	260770	56.542	ug/L	97
19) 1,1-Dichloroethane	3.111	63	127391	50.698	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	92134	57.194	ug/L	93
22) 2-Butanone	3.866	43	64181	77.144	ug/L	84
23) Bromochloromethane	4.146	128	54169	58.563	ug/L #	84
25) Chloroform	4.275	83	167550	57.979	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	131979	57.794	ug/L	100
29) Cyclohexane	4.583	56	97606	45.266	ug/L	86
30) 1,1,1-Trichloroethane	4.513	97	171478	59.434	ug/L	96
31) Carbon tetrachloride	4.735	117	164490	61.315	ug/L	99
33) Benzene	5.011	78	322855	54.574	ug/L	100
34) Trichloroethene	5.831	95	91972	52.038	ug/L	96
35) Methylcyclohexane	6.050	83	132658	51.716	ug/L	93
37) 1,2-Dichloropropane	6.091	63	68457	50.000	ug/L #	96
38) Bromodichloromethane	6.432	83	125348	56.789	ug/L	96
39) cis-1,3-Dichloropropene	6.953	75	134495	54.136	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	138872	95.530	ug/L #	91
42) Toluene	7.313	91	383248	57.489	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	136051	54.156	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	90631	57.091	ug/L	96
46) Tetrachloroethene	7.905	164	90559	59.605	ug/L	95
48) 2-Hexanone	8.075	43	114035	94.614	ug/L #	95
49) Dibromochloromethane	8.175	129	111548	58.862	ug/L	100
50) 1,2-Dibromoethane	8.281	107	97422	57.562	ug/L	98
51) Chlorobenzene	8.815	112	265872	56.714	ug/L	97
52) Ethylbenzene	8.947	91	434372	56.608	ug/L	98
53) m,p-Xylene	9.072	106	180046	59.249	ug/L	92
54) o-Xylene	9.477	106	175079	58.387	ug/L	97
55) Styrene	9.496	104	315351	60.793	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	122786	56.611	ug/L	99
59) Bromoform	9.664	173	93119	57.320	ug/L	99
60) Isopropylbenzene	9.866	105	489037	56.663	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	99634	53.382	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	389086	55.955	ug/L	97
63) 1,2,4-Trimethylbenzene	10.850	105	413370	57.082	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	262689	56.972	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	265629	55.459	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	266998	59.067	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	30969	54.076	ug/L	83
69) 1,3,5-Trichlorobenzene	12.583	180	210125	56.893	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	193070	56.582	ug/L	100
71) Naphthalene	13.438	128	410680	49.352	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	190340	57.810	ug/L	98

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

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