

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VV033402.D
 Acq On : 16 Dec 2023 00:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050365

Quant Time: Dec 16 01:32:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 23:24:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	241128	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	245461	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	133449	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	91650	49.356	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.720%		
7) Chloroethane-d5	1.529	69	79974	47.992	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.980%		
11) 1,1-Dichloroethene-d2	2.060	65	43770	47.352	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.700%		
21) 2-Butanone-d5	3.783	46	95341	101.875	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	101.880%		
24) Chloroform-d	4.249	84	179032	48.741	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.480%		
26) 1,2-Dichloroethane-d4	4.941	65	110830	49.117	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.240%		
32) Benzene-d6	4.960	84	327267	49.503	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.000%		
36) 1,2-Dichloropropane-d6	5.989	67	95509	47.601	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.200%		
41) Toluene-d8	7.243	98	308365	50.976	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.960%		
43) trans-1,3-Dichloroprop...	7.551	79	47925	48.737	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.480%		
47) 2-Hexanone-d5	8.024	63	70371	104.274	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.270%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	139136	48.248	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.500%		
66) 1,2-Dichlorobenzene-d4	11.561	152	121586	48.485	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	94803	47.855	ug/L	99
3) Chloromethane	1.214	50	87282	47.857	ug/L	99
5) Vinyl chloride	1.282	62	94685	48.428	ug/L	100
6) Bromomethane	1.484	94	63507	45.376	ug/L	96
8) Chloroethane	1.545	64	64497	48.864	ug/L	100
9) Trichlorofluoromethane	1.712	101	161454	47.092	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	94205	47.098	ug/L	98
12) 1,1-Dichloroethene	2.069	96	79624	46.860	ug/L	96
13) Acetone	2.111	43	91320	84.064	ug/L	100
14) Carbon disulfide	2.240	76	205400	47.303	ug/L	99
15) Methyl Acetate	2.372	43	78827	50.809	ug/L	98
16) Methylene chloride	2.445	84	88279	46.517	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	78602	48.940	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	245948	50.426	ug/L	99
19) 1,1-Dichloroethane	3.111	63	150678	48.949	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	88240	48.456	ug/L	100
22) 2-Butanone	3.863	43	100526	93.927	ug/L	100
23) Bromochloromethane	4.146	128	47573	47.661	ug/L	94
25) Chloroform	4.275	83	166245	47.990	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	128290	48.044	ug/L	99
29) Cyclohexane	4.584	56	112118	50.679	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	147994	48.833	ug/L	99
31) Carbon tetrachloride	4.735	117	131117	48.343	ug/L	99
33) Benzene	5.008	78	332418	50.809	ug/L	100
34) Trichloroethene	5.831	95	89979	50.130	ug/L	97
35) Methylcyclohexane	6.050	83	124716	48.444	ug/L	98
37) 1,2-Dichloropropane	6.092	63	86500	48.752	ug/L	98
38) Bromodichloromethane	6.432	83	124999	48.949	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	128838	49.914	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	212258	112.102	ug/L	99
42) Toluene	7.317	91	359572	51.853	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	130111	50.233	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	91524	49.491	ug/L	98
46) Tetrachloroethene	7.905	164	67437	48.083	ug/L	99
48) 2-Hexanone	8.075	43	160341	101.530	ug/L	99
49) Dibromochloromethane	8.175	129	97564	49.893	ug/L	99
50) 1,2-Dibromoethane	8.281	107	94800	49.730	ug/L	97
51) Chlorobenzene	8.815	112	238441	47.713	ug/L	99
52) Ethylbenzene	8.947	91	392153	50.780	ug/L	100
53) m,p-Xylene	9.072	106	150678	51.932	ug/L	99
54) o-Xylene	9.477	106	143112	50.797	ug/L	96
55) Styrene	9.497	104	266849	53.669	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	138493	48.761	ug/L	99
59) Bromoform	9.664	173	66418	48.241	ug/L	99
60) Isopropylbenzene	9.866	105	396317	52.298	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	107708	50.356	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	298821	52.029	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	322039	53.988	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	196157	49.803	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	204298	48.195	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	199246	48.603	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	28289	48.824	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	132343	48.587	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	120567	50.637	ug/L	100
71) Naphthalene	13.439	128	350256	54.675	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	126815	54.452	ug/L	100

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

