

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040424\
 Data File : VW034964.D
 Acq On : 04 Apr 2024 09:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050314

Quant Time: Apr 04 21:30:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 02 02:07:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	375994	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	380821	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	198084	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	161033	44.347	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.700%		
7) Chloroethane-d5	1.532	69	142238	45.099	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.200%		
11) 1,1-Dichloroethene-d2	2.060	65	73836	46.387	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.780%		
21) 2-Butanone-d5	3.793	46	200539	93.119	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.120%		
24) Chloroform-d	4.243	84	297560	48.739	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.480%		
26) 1,2-Dichloroethane-d4	4.937	65	182620	47.114	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.220%		
32) Benzene-d6	4.957	84	579531	45.304	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.600%		
36) 1,2-Dichloropropane-d6	5.982	67	186108	45.816	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.640%		
41) Toluene-d8	7.240	98	530663	46.063	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.120%		
43) trans-1,3-Dichloroprop...	7.548	79	70729	35.817	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.640%		
47) 2-Hexanone-d5	8.024	63	122776	79.943	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	79.940%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	252022	45.054	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.100%		
66) 1,2-Dichlorobenzene-d4	11.558	152	199573	44.874	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.740%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	129773	47.621	ug/L	99
3) Chloromethane	1.217	50	158484	45.238	ug/L	100
5) Vinyl chloride	1.285	62	171671	46.742	ug/L	100
6) Bromomethane	1.491	94	105686	38.389	ug/L	99
8) Chloroethane	1.552	64	122036	48.652	ug/L	98
9) Trichlorofluoromethane	1.712	101	241021	50.000	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	145014	49.150	ug/L	99
12) 1,1-Dichloroethene	2.069	96	136559	48.394	ug/L	94
13) Acetone	2.127	43	153003	77.386	ug/L	98
14) Carbon disulfide	2.240	76	342709	43.127	ug/L	100
15) Methyl Acetate	2.375	43	167498	53.759	ug/L	100
16) Methylene chloride	2.446	84	161283	52.749	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	133553	48.953	ug/L	97
18) Methyl tert-butyl Ether	2.700	73	491264	51.266	ug/L	99
19) 1,1-Dichloroethane	3.108	63	297665	53.205	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	158501	51.162	ug/L	97
22) 2-Butanone	3.873	43	209867	91.475	ug/L	100
23) Bromochloromethane	4.143	128	82161	53.007	ug/L	96
25) Chloroform	4.272	83	299028	54.061	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	235450	53.463	ug/L	99
29) Cyclohexane	4.581	56	217115	45.519	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	244911	49.337	ug/L	98
31) Carbon tetrachloride	4.732	117	212587	50.527	ug/L	98
33) Benzene	5.005	78	611105	49.211	ug/L	100
34) Trichloroethene	5.828	95	169137	50.469	ug/L	98
35) Methylcyclohexane	6.047	83	223063	44.072	ug/L	100
37) 1,2-Dichloropropane	6.088	63	174301	50.791	ug/L	99
38) Bromodichloromethane	6.426	83	224525	50.708	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	216154	39.983	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	437924	99.947	ug/L	99
42) Toluene	7.310	91	656272	50.479	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	205234	41.322	ug/L	96
45) 1,1,2-Trichloroethane	7.764	97	169401	52.372	ug/L	99
46) Tetrachloroethene	7.902	164	116419	49.723	ug/L	97
48) 2-Hexanone	8.072	43	351644	94.362	ug/L	98
49) Dibromochloromethane	8.172	129	168782	52.685	ug/L	98
50) 1,2-Dibromoethane	8.278	107	174706	50.168	ug/L	98
51) Chlorobenzene	8.809	112	419616	49.799	ug/L	99
52) Ethylbenzene	8.944	91	721015	50.040	ug/L	100
53) m,p-Xylene	9.069	106	268803	50.658	ug/L	99
54) o-Xylene	9.474	106	262688	50.034	ug/L	96
55) Styrene	9.493	104	469942	52.968	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	259329	49.483	ug/L	99
59) Bromoform	9.661	173	124179	54.705	ug/L	99
60) Isopropylbenzene	9.863	105	715453	50.101	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	216307	50.393	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	461435	49.754	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	578612	50.461	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	335358	50.253	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	341325	50.296	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	344414	51.808	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	58331	49.327	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	233944	48.641	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	210203	47.580	ug/L	99
71) Naphthalene	13.435	128	494846	40.372	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	214551	49.267	ug/L	100

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

