

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031324\
 Data File : VW034563.D
 Acq On : 13 Mar 2024 09:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050286

Quant Time: Mar 14 02:16:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 12 01:30:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	322409	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	296443	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	158940	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	106061	37.947	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.900%		
7) Chloroethane-d5	1.526	69	95117	43.683	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.360%		
11) 1,1-Dichloroethene-d2	2.056	65	47754	37.780	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.560%		
21) 2-Butanone-d5	3.780	46	206596	110.533	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	110.530%		
24) Chloroform-d	4.246	84	235554	47.666	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.340%		
26) 1,2-Dichloroethane-d4	4.937	65	151742	46.989	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.980%		
32) Benzene-d6	4.957	84	404458	45.207	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.420%		
36) 1,2-Dichloropropane-d6	5.985	67	132060	48.367	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.740%		
41) Toluene-d8	7.239	98	358029	44.221	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.440%		
43) trans-1,3-Dichloroprop...	7.551	79	61392	44.776	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.560%		
47) 2-Hexanone-d5	8.021	63	145246	106.530	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.530%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	184396	51.319	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.640%		
66) 1,2-Dichlorobenzene-d4	11.558	152	145694	44.846	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.700%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	166811	49.326	ug/L	98
3) Chloromethane	1.214	50	156789	47.182	ug/L	100
5) Vinyl chloride	1.281	62	158915	49.265	ug/L	100
6) Bromomethane	1.481	94	93208	48.160	ug/L	100
8) Chloroethane	1.545	64	96126	50.137	ug/L	99
9) Trichlorofluoromethane	1.712	101	236584	48.977	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	132790	51.005	ug/L	97
12) 1,1-Dichloroethene	2.069	96	117361	48.613	ug/L	91
13) Acetone	2.111	43	229422	102.104	ug/L	99
14) Carbon disulfide	2.240	76	334608	49.941	ug/L	100
15) Methyl Acetate	2.368	43	152810	53.159	ug/L	99
16) Methylene chloride	2.445	84	132076	51.576	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	118406	50.673	ug/L	96
18) Methyl tert-butyl Ether	2.699	73	434965	51.835	ug/L	100
19) 1,1-Dichloroethane	3.108	63	240330	52.504	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	135099	53.287	ug/L	96
22) 2-Butanone	3.860	43	234254	105.576	ug/L	99
23) Bromochloromethane	4.143	128	69133	52.734	ug/L	95
25) Chloroform	4.272	83	245149	51.671	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	199322	51.709	ug/L	100
29) Cyclohexane	4.580	56	206035	52.840	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	222068	52.240	ug/L	99
31) Carbon tetrachloride	4.731	117	193652	51.454	ug/L	99
33) Benzene	5.005	78	492490	53.522	ug/L	100
34) Trichloroethene	5.831	95	138380	52.906	ug/L	96
35) Methylcyclohexane	6.047	83	212426	53.422	ug/L	100
37) 1,2-Dichloropropane	6.088	63	129339	53.688	ug/L	100
38) Bromodichloromethane	6.429	83	180409	53.240	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	212024	54.321	ug/L	97
40) 4-Methyl-2-pentanone	7.153	43	380010	106.975	ug/L	98
42) Toluene	7.313	91	510609	52.432	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	191532	51.022	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	122010	52.491	ug/L	99
46) Tetrachloroethene	7.902	164	99857	51.335	ug/L	99
48) 2-Hexanone	8.072	43	315450	111.441	ug/L	99
49) Dibromochloromethane	8.172	129	129204	52.674	ug/L	99
50) 1,2-Dibromoethane	8.278	107	128663	52.163	ug/L	97
51) Chlorobenzene	8.812	112	323129	51.325	ug/L	99
52) Ethylbenzene	8.944	91	567719	52.027	ug/L	100
53) m,p-Xylene	9.069	106	212895	51.414	ug/L	100
54) o-Xylene	9.474	106	210001	51.791	ug/L	98
55) Styrene	9.493	104	359427	52.355	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	178074	51.007	ug/L	98
59) Bromoform	9.664	173	89393	50.729	ug/L	99
60) Isopropylbenzene	9.863	105	579368	51.540	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	152041	50.113	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	484408	51.085	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	487334	51.964	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	263385	50.676	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	264733	50.158	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	259927	49.909	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	45577	50.430	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	194404	49.860	ug/L	97
70) 1,2,4-trichlorobenzene	13.197	180	178064	50.754	ug/L	98
71) Naphthalene	13.435	128	478530	50.991	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	180260	52.668	ug/L	99

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

