

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042224\
 Data File : VW035323.D
 Acq On : 22 Apr 2024 10:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050333

Quant Time: Apr 23 00:24:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 19 22:28:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	417803	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	419585	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	232891	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	207609	51.453	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 102.900%			
7) Chloroethane-d5	1.532	69	167023	47.658	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.320%			
11) 1,1-Dichloroethene-d2	2.060	65	83954	47.466	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.940%			
21) 2-Butanone-d5	3.786	46	225736	94.330	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 94.330%			
24) Chloroform-d	4.243	84	355443	52.394	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.780%			
26) 1,2-Dichloroethane-d4	4.937	65	214718	49.851	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.700%			
32) Benzene-d6	4.954	84	710170	50.388	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.780%			
36) 1,2-Dichloropropane-d6	5.982	67	219273	48.993	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.980%			
41) Toluene-d8	7.240	98	652720	51.424	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.840%			
43) trans-1,3-Dichloroprop...	7.548	79	103878	47.743	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.480%			
47) 2-Hexanone-d5	8.021	63	145095	85.747	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 85.750%			
56) 1,1,2,2-Tetrachloroeth...	10.146	84	306251	49.690	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.380%			
66) 1,2-Dichlorobenzene-d4	11.558	152	253387	48.459	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	121466	40.113	ug/L	99
3) Chloromethane	1.217	50	145337	37.334	ug/L	100
5) Vinyl chloride	1.285	62	161811	39.649	ug/L	99
6) Bromomethane	1.491	94	150021	49.040	ug/L	99
8) Chloroethane	1.549	64	117963	42.322	ug/L	98
9) Trichlorofluoromethane	1.712	101	237225	44.288	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	157863	48.151	ug/L	97
12) 1,1-Dichloroethene	2.069	96	132194	42.159	ug/L	97
13) Acetone	2.121	43	247655	112.724	ug/L	99
14) Carbon disulfide	2.240	76	330362	37.413	ug/L	99
15) Methyl Acetate	2.372	43	189801	54.822	ug/L	99
16) Methylene chloride	2.446	84	182751	53.789	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	154401	50.931	ug/L	99
18) Methyl tert-butyl Ether	2.700	73	572303	53.747	ug/L	100
19) 1,1-Dichloroethane	3.108	63	340340	54.745	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	189476	55.040	ug/L	94
22) 2-Butanone	3.867	43	278098	109.085	ug/L	99
23) Bromochloromethane	4.143	128	98488	57.182	ug/L	92
25) Chloroform	4.269	83	349123	56.801	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	263060	53.755	ug/L	98
29) Cyclohexane	4.581	56	234486	44.620	ug/L	98
30) 1,1,1-Trichloroethane	4.507	97	288559	52.760	ug/L	99
31) Carbon tetrachloride	4.732	117	245840	53.032	ug/L	99
33) Benzene	5.005	78	693512	50.688	ug/L	100
34) Trichloroethene	5.828	95	184528	49.974	ug/L	99
35) Methylcyclohexane	6.047	83	264307	47.397	ug/L	99
37) 1,2-Dichloropropane	6.088	63	202883	53.657	ug/L	99
38) Bromodichloromethane	6.426	83	263540	54.021	ug/L	97
39) cis-1,3-Dichloropropene	6.950	75	313461	52.626	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	498784	103.320	ug/L	99
42) Toluene	7.310	91	752663	52.545	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	296748	54.228	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	201563	56.558	ug/L	98
46) Tetrachloroethene	7.902	164	142295	55.160	ug/L	97
48) 2-Hexanone	8.069	43	425105	103.536	ug/L	97
49) Dibromochloromethane	8.172	129	200802	56.889	ug/L	98
50) 1,2-Dibromoethane	8.278	107	205847	53.650	ug/L	97
51) Chlorobenzene	8.809	112	506448	54.552	ug/L	100
52) Ethylbenzene	8.940	91	848660	53.458	ug/L	100
53) m,p-Xylene	9.069	106	317637	54.331	ug/L	98
54) o-Xylene	9.474	106	311511	53.852	ug/L	99
55) Styrene	9.490	104	565667	57.867	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	335140	58.041	ug/L	97
59) Bromoform	9.661	173	150969	56.567	ug/L	98
60) Isopropylbenzene	9.863	105	862541	51.374	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	255742	50.676	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	561450	51.491	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	706967	52.440	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	430225	54.833	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	446475	55.957	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	434816	55.631	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	66411	47.766	ug/L	91
69) 1,3,5-Trichlorobenzene	12.577	180	330114	58.379	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	300834	57.917	ug/L	99
71) Naphthalene	13.435	128	761475	52.840	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	298744	58.348	ug/L	99

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

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