

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041824\
 Data File : VW035270.D
 Acq On : 18 Apr 2024 09:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050328

Quant Time: Apr 19 01:41:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 10 04:53:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	381075	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	375399	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	204612	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	173421	47.122	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.240%
7) Chloroethane-d5	1.529	69	153206	47.929	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.860%
11) 1,1-Dichloroethene-d2	2.056	65	72541	44.966	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.940%
21) 2-Butanone-d5	3.783	46	221584	101.519	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.520%
24) Chloroform-d	4.243	84	327305	52.896	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.800%
26) 1,2-Dichloroethane-d4	4.934	65	199371	50.750	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.500%
32) Benzene-d6	4.953	84	638337	50.622	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.240%
36) 1,2-Dichloropropane-d6	5.982	67	204984	51.192	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.380%
41) Toluene-d8	7.239	98	584380	51.459	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.920%
43) trans-1,3-Dichloroprop...	7.548	79	92108	47.316	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.640%
47) 2-Hexanone-d5	8.021	63	149581	98.803	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.800%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	288654	52.348	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.700%
66) 1,2-Dichlorobenzene-d4	11.557	152	219113	47.696	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	112027	40.561	ug/L	98
3) Chloromethane	1.214	50	135853	38.261	ug/L	100
5) Vinyl chloride	1.281	62	148066	39.778	ug/L	100
6) Bromomethane	1.484	94	93370	33.463	ug/L	98
8) Chloroethane	1.545	64	104920	41.271	ug/L	98
9) Trichlorofluoromethane	1.712	101	206588	42.285	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	132976	44.469	ug/L	98
12) 1,1-Dichloroethene	2.066	96	114591	40.067	ug/L	90
13) Acetone	2.114	43	258569	129.035	ug/L	98
14) Carbon disulfide	2.240	76	305384	37.917	ug/L	99
15) Methyl Acetate	2.371	43	168663	53.412	ug/L	99
16) Methylene chloride	2.445	84	155756	50.262	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	133149	48.154	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	464031	47.779	ug/L	98
19) 1,1-Dichloroethane	3.108	63	290424	51.219	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	157369	50.120	ug/L	96
22) 2-Butanone	3.863	43	253305	108.936	ug/L	100
23) Bromochloromethane	4.143	128	82742	52.670	ug/L	95
25) Chloroform	4.268	83	294398	52.514	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	222237	49.790	ug/L	99
29) Cyclohexane	4.577	56	202587	43.087	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	242989	49.657	ug/L	99
31) Carbon tetrachloride	4.731	117	206772	49.855	ug/L	100
33) Benzene	5.005	78	593902	48.517	ug/L	100
34) Trichloroethene	5.828	95	152352	46.117	ug/L	98
35) Methylcyclohexane	6.046	83	223885	44.873	ug/L	98
37) 1,2-Dichloropropane	6.088	63	172502	50.992	ug/L	99
38) Bromodichloromethane	6.429	83	219944	50.391	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	254754	47.804	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	421826	97.664	ug/L	99
42) Toluene	7.310	91	635152	49.560	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	238521	48.718	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	168009	52.692	ug/L	99
46) Tetrachloroethene	7.902	164	119578	51.809	ug/L	98
48) 2-Hexanone	8.072	43	371406	101.104	ug/L	99
49) Dibromochloromethane	8.172	129	161916	51.272	ug/L	99
50) 1,2-Dibromoethane	8.278	107	173400	50.513	ug/L	99
51) Chlorobenzene	8.812	112	415515	50.025	ug/L	100
52) Ethylbenzene	8.943	91	687837	48.427	ug/L	100
53) m,p-Xylene	9.069	106	257267	49.184	ug/L	98
54) o-Xylene	9.474	106	250820	48.464	ug/L	97
55) Styrene	9.493	104	454126	51.925	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	280826	54.359	ug/L	99
59) Bromoform	9.660	173	116559	49.710	ug/L	98
60) Isopropylbenzene	9.863	105	696694	47.231	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	212426	47.910	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	441086	46.043	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	553487	46.730	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	341686	49.568	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	347310	49.545	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	347293	50.574	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	52164	42.704	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	249935	50.308	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	218265	47.828	ug/L	99
71) Naphthalene	13.435	128	541623	42.779	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	226299	50.307	ug/L	99

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

