

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041024\
 Data File : VV035120.D
 Acq On : 11 Apr 2024 09:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050326

Quant Time: Apr 11 14:24:08 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	5.532	114	337089	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	337266	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	173921	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	173877	53.411	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.820%
7) Chloroethane-d5	1.529	69	143078	50.601	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.200%
11) 1,1-Dichloroethene-d2	2.056	65	75383	52.825	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.660%
21) 2-Butanone-d5	3.783	46	213785	110.727	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.730%
24) Chloroform-d	4.243	84	297520	54.357	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.720%
26) 1,2-Dichloroethane-d4	4.934	65	187231	53.878	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.760%
32) Benzene-d6	4.953	84	586145	51.739	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.480%
36) 1,2-Dichloropropane-d6	5.982	67	188634	52.435	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.860%
41) Toluene-d8	7.239	98	536836	52.617	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.240%
43) trans-1,3-Dichloroprop...	7.548	79	87077	49.789	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.580%
47) 2-Hexanone-d5	8.021	63	123151	90.542	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.540%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	259931	52.469	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.940%
66) 1,2-Dichlorobenzene-d4	11.558	152	195410	50.042	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.080%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	113327	46.386	ug/L	100
3) Chloromethane	1.214	50	143154	45.578	ug/L	99
5) Vinyl chloride	1.281	62	154259	46.849	ug/L	100
6) Bromomethane	1.484	94	118058	47.832	ug/L	100
8) Chloroethane	1.545	64	105684	46.996	ug/L	97
9) Trichlorofluoromethane	1.712	101	219747	50.848	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	141024	53.314	ug/L	98
12) 1,1-Dichloroethene	2.069	96	122955	48.601	ug/L	90
13) Acetone	2.114	43	233531	131.747	ug/L	99
14) Carbon disulfide	2.240	76	306020	42.954	ug/L	99
15) Methyl Acetate	2.371	43	173050	61.952	ug/L	98
16) Methylene chloride	2.445	84	149500	54.538	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	125148	51.166	ug/L	96
18) Methyl tert-butyl Ether	2.699	73	469209	54.616	ug/L	98
19) 1,1-Dichloroethane	3.108	63	282942	56.410	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	149729	53.909	ug/L	99
22) 2-Butanone	3.860	43	244761	118.997	ug/L	98
23) Bromochloromethane	4.143	128	76058	54.733	ug/L	97
25) Chloroform	4.272	83	280694	56.603	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	216563	54.850	ug/L	99
29) Cyclohexane	4.577	56	210817	49.907	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	231275	52.607	ug/L	99
31) Carbon tetrachloride	4.731	117	196152	52.641	ug/L	100
33) Benzene	5.005	78	571613	51.975	ug/L	100
34) Trichloroethene	5.828	95	147145	49.576	ug/L	98
35) Methylcyclohexane	6.047	83	227276	50.704	ug/L	99
37) 1,2-Dichloropropane	6.088	63	167773	55.202	ug/L	100
38) Bromodichloromethane	6.429	83	212314	54.143	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	252725	52.785	ug/L	98
40) 4-Methyl-2-pentanone	7.153	43	442578	114.054	ug/L	98
42) Toluene	7.310	91	605853	52.619	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	237601	54.017	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	158412	55.299	ug/L	98
46) Tetrachloroethene	7.902	164	111185	53.620	ug/L	98
48) 2-Hexanone	8.072	43	378647	114.730	ug/L	100
49) Dibromochloromethane	8.172	129	154373	54.410	ug/L	98
50) 1,2-Dibromoethane	8.278	107	161936	52.507	ug/L	97
51) Chlorobenzene	8.812	112	393310	52.705	ug/L	99
52) Ethylbenzene	8.944	91	667945	52.344	ug/L	99
53) m,p-Xylene	9.069	106	246145	52.379	ug/L	98
54) o-Xylene	9.474	106	243848	52.444	ug/L	97
55) Styrene	9.493	104	427914	54.459	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	260900	56.212	ug/L	99
59) Bromoform	9.661	173	109817	55.099	ug/L	98
60) Isopropylbenzene	9.863	105	668617	53.326	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	207221	54.984	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	430394	52.855	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	540757	53.712	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	310679	53.023	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	319712	53.656	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	320245	54.865	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	54288	52.286	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	231638	54.853	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	205051	52.862	ug/L	99
71) Naphthalene	13.435	128	563015	52.315	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	214674	56.144	ug/L	99

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

