

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051324\
 Data File : VV035588.D
 Acq On : 13 May 2024 09:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050361

Quant Time: May 14 01:20:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 10 23:44:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	515186	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	517218	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	280091	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	165748	41.725	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.460%
7) Chloroethane-d5	1.522	69	145912	49.844	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.680%
11) 1,1-Dichloroethene-d2	2.053	65	74513	43.698	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.400%
21) 2-Butanone-d5	3.780	46	231003	86.165	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.170%
24) Chloroform-d	4.243	84	360126	49.425	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.840%
26) 1,2-Dichloroethane-d4	4.934	65	213370	49.725	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.460%
32) Benzene-d6	4.953	84	691666	47.509	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.020%
36) 1,2-Dichloropropane-d6	5.982	67	218260	48.083	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.160%
41) Toluene-d8	7.239	98	642203	48.462	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.920%
43) trans-1,3-Dichloroprop...	7.548	79	104195	47.097	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.200%
47) 2-Hexanone-d5	8.021	63	175424	84.097	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.100%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	308708	44.631	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.260%
66) 1,2-Dichlorobenzene-d4	11.557	152	255056	45.834	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.660%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	183231	53.089	ug/L	100
3) Chloromethane	1.214	50	188815	50.499	ug/L	97
5) Vinyl chloride	1.281	62	206023	52.323	ug/L	100
6) Bromomethane	1.477	94	88212	35.235	ug/L	100
8) Chloroethane	1.539	64	137269	60.633	ug/L	99
9) Trichlorofluoromethane	1.706	101	290319	54.805	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	189902	56.557	ug/L	98
12) 1,1-Dichloroethene	2.066	96	161802	53.948	ug/L	82
13) Acetone	2.111	43	296295	119.380	ug/L	100
14) Carbon disulfide	2.236	76	397374	50.434	ug/L	99
15) Methyl Acetate	2.368	43	202687	50.343	ug/L	99
16) Methylene chloride	2.442	84	202506	53.287	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	173216	54.639	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	623049	55.884	ug/L	100
19) 1,1-Dichloroethane	3.104	63	366672	55.083	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	206670	54.813	ug/L	98
22) 2-Butanone	3.860	43	308418	104.970	ug/L	98
23) Bromochloromethane	4.143	128	113037	54.816	ug/L	97
25) Chloroform	4.268	83	386198	56.208	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	285597	58.080	ug/L	98
29) Cyclohexane	4.577	56	251910	54.551	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	322848	54.542	ug/L	100
31) Carbon tetrachloride	4.728	117	280963	54.896	ug/L	99
33) Benzene	5.005	78	774857	55.478	ug/L	100
34) Trichloroethene	5.828	95	219247	58.988	ug/L	99
35) Methylcyclohexane	6.046	83	290193	55.345	ug/L	98
37) 1,2-Dichloropropane	6.088	63	212178	55.292	ug/L	98
38) Bromodichloromethane	6.429	83	292347	55.375	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	334720	55.564	ug/L	99
40) 4-Methyl-2-pentanone	7.152	43	528163	103.109	ug/L	99
42) Toluene	7.310	91	831432	56.743	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	321897	56.257	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	226729	55.244	ug/L	100
46) Tetrachloroethene	7.902	164	163347	54.413	ug/L	98
48) 2-Hexanone	8.069	43	446378	107.101	ug/L	98
49) Dibromochloromethane	8.172	129	234314	54.542	ug/L	98
50) 1,2-Dibromoethane	8.278	107	233415	54.437	ug/L	99
51) Chlorobenzene	8.808	112	550695	54.140	ug/L	99
52) Ethylbenzene	8.943	91	900180	56.866	ug/L	100
53) m,p-Xylene	9.069	106	344022	58.582	ug/L	99
54) o-Xylene	9.474	106	336431	56.854	ug/L	100
55) Styrene	9.493	104	611229	59.765	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	323452	46.062	ug/L	100
59) Bromoform	9.660	173	186770	51.554	ug/L	100
60) Isopropylbenzene	9.863	105	914272	56.526	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	285715	50.847	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	741591	57.288	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	748153	57.638	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	458831	54.783	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	469335	53.106	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	471204	53.774	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	79532	48.060	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	349634	54.998	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	312481	55.797	ug/L	100
71) Naphthalene	13.435	128	867429	55.264	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	342826	58.975	ug/L	99

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

