

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081524\
 Data File : VV036936.D
 Acq On : 15 Aug 2024 08:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050360

Quant Time: Aug 16 02:12:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 04:10:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	694950	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	664003	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	336724	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	246399	44.391	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.780%
7) Chloroethane-d5	1.532	69	199711	45.625	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.240%
11) 1,1-Dichloroethene-d2	2.056	65	106797	44.980	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.960%
21) 2-Butanone-d5	3.789	46	239130	81.311	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.310%
24) Chloroform-d	4.243	84	475367	47.724	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.440%
26) 1,2-Dichloroethane-d4	4.934	65	289656	45.228	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.460%
32) Benzene-d6	4.950	84	907968	45.273	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.540%
36) 1,2-Dichloropropane-d6	5.982	67	298504	46.135	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.280%
41) Toluene-d8	7.236	98	813520	44.220	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.440%
43) trans-1,3-Dichloroprop...	7.548	79	140075	41.599	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.200%
47) 2-Hexanone-d5	8.024	63	145111	78.002	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.000%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	339644	45.718	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.440%
66) 1,2-Dichlorobenzene-d4	11.554	152	309575	45.117	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	286474	51.699	ug/L	99
3) Chloromethane	1.217	50	299471	51.642	ug/L	100
5) Vinyl chloride	1.282	62	305606	51.317	ug/L	99
6) Bromomethane	1.487	94	190702	50.861	ug/L	99
8) Chloroethane	1.548	64	193511	52.459	ug/L	97
9) Trichlorofluoromethane	1.712	101	402143	51.553	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	240837	52.397	ug/L	98
12) 1,1-Dichloroethene	2.069	96	224580	51.158	ug/L	94
13) Acetone	2.111	43	232395	94.447	ug/L	97
14) Carbon disulfide	2.237	76	628602	45.585	ug/L	100
15) Methyl Acetate	2.372	43	222812	43.956	ug/L	99
16) Methylene chloride	2.442	84	258067	52.291	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	236902	52.098	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	771390	48.166	ug/L	100
19) 1,1-Dichloroethane	3.105	63	483315	52.609	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	277416	51.978	ug/L	95
22) 2-Butanone	3.870	43	277857	84.293	ug/L	98
23) Bromochloromethane	4.137	128	136587	52.684	ug/L	96
25) Chloroform	4.269	83	488151	51.734	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	365055	49.047	ug/L	100
29) Cyclohexane	4.571	56	403580	47.703	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	409638	48.967	ug/L	100
31) Carbon tetrachloride	4.725	117	346818	49.365	ug/L	100
33) Benzene	5.002	78	1027143	51.718	ug/L	100
34) Trichloroethene	5.825	95	284609	49.447	ug/L	97
35) Methylcyclohexane	6.040	83	424939	48.112	ug/L	98
37) 1,2-Dichloropropane	6.085	63	274681	52.209	ug/L	100
38) Bromodichloromethane	6.426	83	358858	49.532	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	450267	49.972	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	547510	84.008	ug/L	99
42) Toluene	7.307	91	1072983	50.723	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	401793	47.854	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	254637	49.978	ug/L	99
46) Tetrachloroethene	7.899	164	190155	50.366	ug/L	99
48) 2-Hexanone	8.072	43	408196	85.136	ug/L	100
49) Dibromochloromethane	8.172	129	260569	49.767	ug/L	98
50) 1,2-Dibromoethane	8.275	107	262159	49.592	ug/L	99
51) Chlorobenzene	8.809	112	696837	51.340	ug/L	98
52) Ethylbenzene	8.940	91	1222040	50.594	ug/L	100
53) m,p-Xylene	9.066	106	455084	50.405	ug/L	97
54) o-Xylene	9.471	106	443133	50.182	ug/L	99
55) Styrene	9.490	104	776954	51.342	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	338644	49.258	ug/L	98
59) Bromoform	9.657	173	169033	45.376	ug/L	98
60) Isopropylbenzene	9.860	105	1209055	49.320	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	276820	45.668	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	999653	48.981	ug/L	98
63) 1,2,4-Trimethylbenzene	10.844	105	1004667	49.175	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	542155	51.429	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	550824	51.383	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	529311	51.411	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	66144	37.761	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	376581	50.338	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	351719	49.020	ug/L	99
71) Naphthalene	13.432	128	958560	41.661	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	339292	48.309	ug/L	100

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

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