

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050324\
 Data File : VV035523.D
 Acq On : 03 May 2024 08:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050350

Quant Time: May 03 23:13:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 03 05:13:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	482095	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	494737	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	269357	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	166383	44.760	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.520%
7) Chloroethane-d5	1.529	69	145998	53.297	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.600%
11) 1,1-Dichloroethene-d2	2.056	65	72749	45.591	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.180%
21) 2-Butanone-d5	3.789	46	232908	92.839	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.840%
24) Chloroform-d	4.243	84	345551	50.680	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.360%
26) 1,2-Dichloroethane-d4	4.937	65	203743	50.741	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.480%
32) Benzene-d6	4.953	84	665514	47.790	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.580%
36) 1,2-Dichloropropane-d6	5.985	67	208878	48.107	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.220%
41) Toluene-d8	7.239	98	620058	48.917	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.840%
43) trans-1,3-Dichloroprop...	7.548	79	92067	43.506	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.020%
47) 2-Hexanone-d5	8.021	63	185465	92.951	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.950%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	317219	47.946	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.900%
66) 1,2-Dichlorobenzene-d4	11.558	152	248863	46.503	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	151693	46.968	ug/L	100
3) Chloromethane	1.214	50	162630	46.481	ug/L	100
5) Vinyl chloride	1.282	62	177796	48.253	ug/L	99
6) Bromomethane	1.487	94	113473	48.436	ug/L	99
8) Chloroethane	1.548	64	120758	57.001	ug/L	98
9) Trichlorofluoromethane	1.709	101	247636	49.956	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	154168	49.067	ug/L	98
12) 1,1-Dichloroethene	2.066	96	139467	49.693	ug/L	92
13) Acetone	2.124	43	174772	75.251	ug/L	99
14) Carbon disulfide	2.236	76	353171	47.901	ug/L	99
15) Methyl Acetate	2.371	43	180849	48.002	ug/L	99
16) Methylene chloride	2.442	84	176336	49.585	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	147639	49.768	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	507900	48.683	ug/L	100
19) 1,1-Dichloroethane	3.108	63	312389	50.149	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	171875	48.713	ug/L	97
22) 2-Butanone	3.870	43	236622	86.062	ug/L	100
23) Bromochloromethane	4.143	128	97089	50.314	ug/L	98
25) Chloroform	4.272	83	328926	51.158	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	236814	51.465	ug/L	99
29) Cyclohexane	4.577	56	202097	45.752	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	274219	48.432	ug/L	100
31) Carbon tetrachloride	4.732	117	237721	48.558	ug/L	99
33) Benzene	5.005	78	653072	48.883	ug/L	100
34) Trichloroethene	5.828	95	170806	48.044	ug/L	99
35) Methylcyclohexane	6.047	83	224848	44.831	ug/L	98
37) 1,2-Dichloropropane	6.088	63	183302	49.937	ug/L	98
38) Bromodichloromethane	6.429	83	248810	49.270	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	257903	44.758	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	479343	97.830	ug/L	98
42) Toluene	7.310	91	698812	49.859	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	249428	45.572	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	192884	49.133	ug/L	99
46) Tetrachloroethene	7.902	164	136747	47.622	ug/L	98
48) 2-Hexanone	8.072	43	387068	97.091	ug/L	99
49) Dibromochloromethane	8.172	129	202686	49.324	ug/L	98
50) 1,2-Dibromoethane	8.278	107	200191	48.810	ug/L	99
51) Chlorobenzene	8.809	112	464405	47.731	ug/L	99
52) Ethylbenzene	8.944	91	745375	49.226	ug/L	99
53) m,p-Xylene	9.069	106	285452	50.817	ug/L	99
54) o-Xylene	9.474	106	277896	49.096	ug/L	100
55) Styrene	9.493	104	523050	53.467	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	315780	47.013	ug/L	100
59) Bromoform	9.661	173	164722	47.280	ug/L	100
60) Isopropylbenzene	9.863	105	764965	49.179	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	252405	46.709	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	604735	48.578	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	616600	49.396	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	387936	48.164	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	402428	47.350	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	401037	47.591	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	73117	45.944	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	287768	47.070	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	256762	47.675	ug/L	100
71) Naphthalene	13.435	128	684259	45.331	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	275489	49.280	ug/L	99

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

