

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081822\
 Data File : VV027420.D
 Acq On : 17 Aug 2022 15:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050338

Quant Time: Aug 18 02:16:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 12 03:40:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	318738	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	8.850	117	310957	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	182105	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	104186	47.944	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.880%
7) Chloroethane-d5	1.561	69	75533	47.545	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.100%
11) 1,1-Dichloroethene-d2	2.105	63	222142	55.886	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.780%
21) 2-Butanone-d5	3.873	46	151764	78.459	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.460%
24) Chloroform-d	4.343	84	202732	45.544	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.080%
26) 1,2-Dichloroethane-d4	5.024	65	129531	46.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.740%
32) Benzene-d6	5.044	84	395882	53.089	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.180%
36) 1,2-Dichloropropane-d6	6.066	67	122077	46.022	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.040%
41) Toluene-d8	7.310	98	357520	56.248	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.500%
43) trans-1,3-Dichloroprop...	7.619	79	56524	48.888	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.780%
47) 2-Hexanone-d5	8.085	63	103424	80.953	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.950%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	170485	39.439	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.880%
66) 1,2-Dichlorobenzene-d4	11.622	152	126739	40.301	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	131295	46.305	ug/L	99
3) Chloromethane	1.240	50	123278	38.058	ug/L	99
5) Vinyl chloride	1.311	62	131621	40.789	ug/L	99
6) Bromomethane	1.513	94	54957	36.127	ug/L	100
8) Chloroethane	1.577	64	76651	42.638	ug/L	97
9) Trichlorofluoromethane	1.748	101	216105	52.194	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	132311	57.629	ug/L	97
12) 1,1-Dichloroethene	2.114	96	110492	50.029	ug/L	89
13) Acetone	2.163	43	206294	138.311	ug/L	87
14) Carbon disulfide	2.291	76	281042	37.389	ug/L	99
15) Methyl Acetate	2.423	43	167025	49.235	ug/L	# 84
16) Methylene chloride	2.500	84	143960	48.798	ug/L	85
17) trans-1,2-Dichloroethene	2.754	96	116938	47.847	ug/L	92
18) Methyl tert-butyl Ether	2.764	73	412750	56.784	ug/L	# 94
19) 1,1-Dichloroethane	3.182	63	249537	50.861	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	131520	51.802	ug/L	84
22) 2-Butanone	3.954	43	251749	123.115	ug/L	99
23) Bromochloromethane	4.240	128	74890	52.823	ug/L	88
25) Chloroform	4.368	83	272829	55.025	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	210113	54.411	ug/L	94
29) Cyclohexane	4.671	56	192386	53.721	ug/L	90
30) 1,1,1-Trichloroethane	4.600	97	234267	56.839	ug/L	97
31) Carbon tetrachloride	4.822	117	202418	56.568	ug/L	100
33) Benzene	5.092	78	540037	54.043	ug/L	100
34) Trichloroethene	5.908	95	133556	52.198	ug/L	98
35) Methylcyclohexane	6.127	83	202712	53.879	ug/L	92
37) 1,2-Dichloropropane	6.166	63	152487	54.470	ug/L	100
38) Bromodichloromethane	6.503	83	200173	54.572	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	210127	56.665	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	451424	113.034	ug/L #	92
42) Toluene	7.384	91	566439	55.752	ug/L	100
44) trans-1,3-Dichloropropene	7.645	75	213775	58.663	ug/L	100
45) 1,1,2-Trichloroethane	7.834	97	146620	54.341	ug/L	97
46) Tetrachloroethene	7.969	164	103420	55.225	ug/L	98
48) 2-Hexanone	8.133	43	363440	114.263	ug/L #	90
49) Dibromochloromethane	8.240	129	162458	56.960	ug/L	99
50) 1,2-Dibromoethane	8.349	107	146628	52.814	ug/L	97
51) Chlorobenzene	8.876	112	365496	53.633	ug/L	96
52) Ethylbenzene	9.008	91	597137	56.959	ug/L	99
53) m,p-Xylene	9.137	106	228980	57.792	ug/L	94
54) o-Xylene	9.542	106	224314	58.112	ug/L	96
55) Styrene	9.558	104	412463	60.658	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.236	83	240250	53.151	ug/L	99
59) Bromoform	9.728	173	114164	52.766	ug/L	100
60) Isopropylbenzene	9.928	105	602063	52.462	ug/L	99
61) 1,2,3-Trichloropropane	10.268	75	194513	46.526	ug/L	99
62) 1,3,5-Trimethylbenzene	10.539	105	496984	52.439	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	501154	53.979	ug/L	98
64) 1,3-Dichlorobenzene	11.178	146	291114	52.339	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	297960	50.902	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	295241	50.661	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.423	75	53569	45.672	ug/L	91
69) 1,3,5-Trichlorobenzene	12.641	180	213592	57.174	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	183959	59.289	ug/L	99
71) Naphthalene	13.500	128	612938	57.691	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	206949	60.175	ug/L	98

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

