

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092021\
 Data File : VV022265.D
 Acq On : 21 Sep 2021 05:02
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050342

Manual Integrations
 APPROVED

MMDadoda

9/21/2021 1:51:26 PM

Quant Time: Sep 21 07:19:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 21 06:08:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	365206	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	345351	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	181358	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	119125	47.102	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.200%
7) Chloroethane-d5	1.555	69	58766	29.754	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	59.500%#
11) 1,1-Dichloroethene-d2	2.095	63	212208	50.735	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.460%
21) 2-Butanone-d5	3.889	46	164500m	94.840	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.840%
24) Chloroform-d	4.349	84	215083	46.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.280%
26) 1,2-Dichloroethane-d4	5.031	65	126380	46.527	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.060%
32) Benzene-d6	5.047	84	437758	46.734	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.460%
36) 1,2-Dichloropropane-d6	6.069	67	135197	45.894	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.780%
41) Toluene-d8	7.317	98	400816	45.329	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.660%
43) trans-1,3-Dichloroprop...	7.625	79	58610	41.802	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.600%
47) 2-Hexanone-d5	8.101	63	110998	98.202	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.200%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	179348	47.537	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.080%
66) 1,2-Dichlorobenzene-d4	11.628	152	154015	43.198	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	84264	33.566	ug/L	98
3) Chloromethane	1.240	50	101242	38.087	ug/L	98
5) Vinyl chloride	1.307	62	105375	39.330	ug/L	100
6) Bromomethane	1.516	94	52629	32.672	ug/L	99
8) Chloroethane	1.571	64	40218	23.995	ug/L	97
9) Trichlorofluoromethane	1.725	101	171931	45.063	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	105494	47.141	ug/L	98
12) 1,1-Dichloroethene	2.105	96	98063	46.551	ug/L	91
13) Acetone	2.172	43	113379m	78.015	ug/L	
14) Carbon disulfide	2.281	76	220422	34.677	ug/L	100
15) Methyl Acetate	2.429	43	127603	45.087	ug/L	99
16) Methylene chloride	2.500	84	134201	47.549	ug/L	98
17) trans-1,2-Dichloroethene	2.751	96	110482	43.376	ug/L	98
18) Methyl tert-butyl Ether	2.770	73	374908	46.320	ug/L	99
19) 1,1-Dichloroethane	3.185	63	213922	47.156	ug/L	99
20) cis-1,2-Dichloroethene	3.908	96	128716	45.404	ug/L	100
22) 2-Butanone	3.976	43	179313m	87.777	ug/L	
23) Bromochloromethane	4.246	128	68366	45.284	ug/L	98
25) Chloroform	4.375	83	227640	47.404	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	160641	49.904	ug/L	99
29) Cyclohexane	4.674	56	160926	41.685	ug/L	99
30) 1,1,1-Trichloroethane	4.606	97	191645	46.691	ug/L	98
31) Carbon tetrachloride	4.825	117	157564	44.681	ug/L	99
33) Benzene	5.095	78	469348	46.712	ug/L	100
34) Trichloroethene	5.915	95	125065	43.943	ug/L	99
35) Methylcyclohexane	6.130	83	165862	39.864	ug/L	98
37) 1,2-Dichloropropane	6.172	63	125592	48.220	ug/L	100
38) Bromodichloromethane	6.513	83	157694	47.344	ug/L	99
39) cis-1,3-Dichloropropene	7.030	75	171755	42.712	ug/L	100
40) 4-Methyl-2-pentanone	7.236	43	356758	101.036	ug/L	98
42) Toluene	7.387	91	505242	46.590	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	167458	44.744	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	129626	48.914	ug/L	98
46) Tetrachloroethene	7.976	164	93703	42.341	ug/L	98
48) 2-Hexanone	8.153	43	271228	99.000	ug/L	99
49) Dibromochloromethane	8.249	129	134314	47.349	ug/L	99
50) 1,2-Dibromoethane	8.355	107	134147	47.165	ug/L	100
51) Chlorobenzene	8.886	112	332493	45.602	ug/L	99
52) Ethylbenzene	9.014	91	527340	44.921	ug/L	98
53) m,p-Xylene	9.140	106	204305	44.776	ug/L	99
54) o-Xylene	9.548	106	211161	46.772	ug/L	96
55) Styrene	9.564	104	366164	47.525	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.246	83	192293	50.080	ug/L	99
59) Bromoform	9.738	173	93306	48.440	ug/L	99
60) Isopropylbenzene	9.934	105	546670	47.972	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	159414	50.717	ug/L	100
62) 1,3,5-Trimethylbenzene	10.542	105	455777	47.640	ug/L	100
63) 1,2,4-Trimethylbenzene	10.918	105	461812	47.491	ug/L	99
64) 1,3-Dichlorobenzene	11.185	146	263147	45.480	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	265381	44.823	ug/L	98
67) 1,2-Dichlorobenzene	11.644	146	274563	47.791	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.432	75	34363	45.362	ug/L	95
69) 1,3,5-Trichlorobenzene	12.648	180	176801	40.866	ug/L	100
70) 1,2,4-trichlorobenzene	13.265	180	142616	37.473	ug/L	99
71) Naphthalene	13.503	128	453304	41.406	ug/L	100
72) 1,2,3-Trichlorobenzene	13.747	180	148523	40.010	ug/L	99

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

