

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092724\
 Data File : VV037591.D
 Acq On : 27 Sep 2024 08:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050282

Quant Time: Sep 27 23:39:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 02:22:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/30/2024
 Supervised By :Mahesh Dadoda 09/30/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	706926	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	689442	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	374255	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	216958	34.961	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	69.920%		
7) Chloroethane-d5	1.532	69	188596	39.153	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	78.300%		
11) 1,1-Dichloroethene-d2	2.056	65	100187	38.642	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.280%		
21) 2-Butanone-d5	3.786	46	196340m	88.828	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	88.830%		
24) Chloroform-d	4.239	84	497300	45.043	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.080%		
26) 1,2-Dichloroethane-d4	4.934	65	287032	44.416	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.840%		
32) Benzene-d6	4.950	84	927639	42.998	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.000%		
36) 1,2-Dichloropropane-d6	5.982	67	300142	43.690	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.380%		
41) Toluene-d8	7.236	98	861946	44.061	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.120%		
43) trans-1,3-Dichloroprop...	7.545	79	140917	44.157	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.320%		
47) 2-Hexanone-d5	8.021	63	127990	88.231	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.230%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	354576	44.421	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.840%		
66) 1,2-Dichlorobenzene-d4	11.551	152	351744	44.602	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.108	85	291377	48.417	ug/L	99
3) Chloromethane	1.217	50	272116	46.574	ug/L	99
5) Vinyl chloride	1.285	62	293232	46.814	ug/L	99
6) Bromomethane	1.487	94	165716	47.673	ug/L	100
8) Chloroethane	1.548	64	177508	45.978	ug/L	97
9) Trichlorofluoromethane	1.712	101	404409	47.965	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	241738	47.980	ug/L	99
12) 1,1-Dichloroethene	2.069	96	223468	47.482	ug/L	79
13) Acetone	2.111	43	201040	92.781	ug/L	99
14) Carbon disulfide	2.240	76	671055	45.679	ug/L	100
15) Methyl Acetate	2.368	43	169813	44.908	ug/L	97
16) Methylene chloride	2.442	84	245486	46.067	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	233079	46.813	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	673544	47.152	ug/L	99
19) 1,1-Dichloroethane	3.101	63	448230	46.987	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	263692	47.328	ug/L	98
22) 2-Butanone	3.870	43	219039	91.330	ug/L	96
23) Bromochloromethane	4.137	128	134099	46.528	ug/L	95
25) Chloroform	4.265	83	461707	46.747	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.030	62	323553	46.404	ug/L	98
29) Cyclohexane	4.571	56	368502	47.075	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	395347	46.559	ug/L	100
31) Carbon tetrachloride	4.725	117	348123	47.155	ug/L	100
33) Benzene	4.998	78	986813	47.459	ug/L	100
34) Trichloroethene	5.825	95	260086	46.969	ug/L	99
35) Methylcyclohexane	6.040	83	412982	48.480	ug/L	99
37) 1,2-Dichloropropane	6.085	63	253930	47.293	ug/L	99
38) Bromodichloromethane	6.426	83	337686	47.047	ug/L	97
39) cis-1,3-Dichloropropene	6.947	75	413705	48.269	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	406562	92.998	ug/L	100
42) Toluene	7.307	91	1052696	48.836	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	371334	48.123	ug/L	98
45) 1,1,2-Trichloroethane	7.760	97	240397	46.628	ug/L	98
46) Tetrachloroethene	7.895	164	199834	47.201	ug/L	97
48) 2-Hexanone	8.072	43	324110	95.344	ug/L	99
49) Dibromochloromethane	8.169	129	253315	46.424	ug/L	99
50) 1,2-Dibromoethane	8.275	107	246134	46.185	ug/L	100
51) Chlorobenzene	8.805	112	696955	47.457	ug/L	100
52) Ethylbenzene	8.940	91	1171182	48.268	ug/L	100
53) m,p-Xylene	9.066	106	451334	49.979	ug/L	99
54) o-Xylene	9.471	106	426372	48.362	ug/L	97
55) Styrene	9.487	104	769738	50.153	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.168	83	327180	45.517	ug/L	98
59) Bromoform	9.657	173	166435	45.501	ug/L	97
60) Isopropylbenzene	9.860	105	1173658	48.236	ug/L	100
61) 1,2,3-Trichloropropane	10.201	75	240598	45.179	ug/L	100
62) 1,3,5-Trimethylbenzene	10.467	105	943006	49.021	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	949835	49.625	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	557860	47.633	ug/L	100
65) 1,4-Dichlorobenzene	11.201	146	573476	47.025	ug/L	100
67) 1,2-Dichlorobenzene	11.570	146	541260	46.750	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	54867	42.443	ug/L	94
69) 1,3,5-Trichlorobenzene	12.574	180	374731	46.528	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	341365	45.683	ug/L	100
71) Naphthalene	13.432	128	877819	44.963	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	339116	45.956	ug/L	98

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

