

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061824\
 Data File : VW036109.D
 Acq On : 18 Jun 2024 09:47
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025289

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2024
 Supervised By :Semsettin Yesilyurt 06/24/2024

Quant Time: Jun 19 03:17:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 02:10:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	451230	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	454372	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	240775	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.269	65	201280	24.263	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	97.040%		
7) Chloroethane-d5	1.523	69	164086	24.806	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	99.240%		
11) 1,1-Dichloroethene-d2	2.047	65	89783	24.311	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	97.240%		
21) 2-Butanone-d5	3.822	46	97640	51.298	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	102.600%		
24) Chloroform-d	4.240	84	367185	25.596	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	102.400%		
26) 1,2-Dichloroethane-d4	4.934	65	195540	25.998	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	104.000%		
32) Benzene-d6	4.950	84	708835	26.245	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	104.960%		
36) 1,2-Dichloropropane-d6	5.982	67	223047	26.224	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	104.880%		
41) Toluene-d8	7.236	98	649336	27.248	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	109.000%		
43) trans-1,3-Dichloroprop...	7.551	79	94633	27.136	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	108.560%		
47) 2-Hexanone-d5	8.027	63	65919	57.203	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	114.400%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	159044	25.023	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	100.080%		
66) 1,2-Dichlorobenzene-d4	11.558	152	225007	25.484	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	101.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.101	85	173462	21.320	ug/L	99
3) Chloromethane	1.208	50	209651	22.453	ug/L	98
5) Vinyl chloride	1.275	62	229618	23.359	ug/L	100
6) Bromomethane	1.481	94	145964	23.936	ug/L	100
8) Chloroethane	1.542	64	146467	23.972	ug/L	99
9) Trichlorofluoromethane	1.703	101	305789	25.050	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	185802	23.982	ug/L	99
12) 1,1-Dichloroethene	2.056	96	174169	24.104	ug/L	89
13) Acetone	2.143	43	147726m	49.825	ug/L	
14) Carbon disulfide	2.227	76	589218	23.482	ug/L	99
15) Methyl Acetate	2.381	43	87169	23.653	ug/L	98
16) Methylene chloride	2.436	84	209596	20.528	ug/L	100
17) trans-1,2-Dichloroethene	2.683	96	184217	24.000	ug/L	96
18) Methyl tert-butyl Ether	2.699	73	427215	24.792	ug/L	98
19) 1,1-Dichloroethane	3.101	63	353649	24.194	ug/L	100
20) cis-1,2-Dichloroethene	3.806	96	187503	24.311	ug/L	99
22) 2-Butanone	3.899	43	128901	51.237	ug/L #	76
23) Bromochloromethane	4.140	128	94190	24.346	ug/L	98
25) Chloroform	4.265	83	364336	24.230	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	240497	25.619	ug/L	99
29) Cyclohexane	4.574	56	265531	24.544	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	302124	24.322	ug/L	100
31) Carbon tetrachloride	4.725	117	262234	24.064	ug/L	100
33) Benzene	5.002	78	753566	25.358	ug/L	100
34) Trichloroethene	5.825	95	226860	24.908	ug/L	99
35) Methylcyclohexane	6.043	83	313441	24.886	ug/L	99
37) 1,2-Dichloropropane	6.088	63	199443	25.559	ug/L	100
38) Bromodichloromethane	6.426	83	260111	25.185	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	299706	25.680	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	216215	51.000	ug/L	98
42) Toluene	7.310	91	803743	26.469	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	265773	26.364	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	158357	24.527	ug/L	99
46) Tetrachloroethene	7.902	164	156665	23.519	ug/L	98
48) 2-Hexanone	8.075	43	187327	56.520	ug/L	97
49) Dibromochloromethane	8.172	129	177180	25.074	ug/L	100
50) 1,2-Dibromoethane	8.278	107	156687	25.292	ug/L	100
51) Chlorobenzene	8.812	112	509234	24.613	ug/L	100
52) Ethylbenzene	8.944	91	851651	26.214	ug/L	99
53) m,p-Xylene	9.069	106	320685	26.270	ug/L	96
54) o-Xylene	9.474	106	301665	26.204	ug/L	98
55) Styrene	9.493	104	556678	27.422	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	134585	23.280	ug/L	99
59) Bromoform	9.664	173	114105	25.129	ug/L	99
60) Isopropylbenzene	9.863	105	828037	26.806	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	141322	24.817	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	596138	26.614	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	660022	27.348	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	403658	24.883	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	420564	25.117	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	377031	24.698	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	31691	24.887	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	287421	23.686	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	234804	24.576	ug/L	99
71) Naphthalene	13.439	128	427432	27.413	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	225798	25.898	ug/L	98

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

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