

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061324\
 Data File : VW036080.D
 Acq On : 13 Jun 2024 23:22
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025284

Quant Time: Jun 14 03:10:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 14 02:40:50 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/20/2024
 Supervised By :Semsettin Yesilyurt 06/20/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	410324	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	416112	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	221145	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	139214	18.454	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	73.800%		
7) Chloroethane-d5	1.526	69	127600	21.213	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	84.840%		
11) 1,1-Dichloroethene-d2	2.050	65	63903	19.028	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	76.120%		
21) 2-Butanone-d5	3.828	46	111077m	64.176	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	128.360%		
24) Chloroform-d	4.243	84	324324	24.862	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	99.440%		
26) 1,2-Dichloroethane-d4	4.937	65	176655	25.828	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	103.320%		
32) Benzene-d6	4.953	84	602417	24.355	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	97.440%		
36) 1,2-Dichloropropane-d6	5.986	67	200393	25.727	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	102.920%		
41) Toluene-d8	7.239	98	532895	24.418	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	97.680%		
43) trans-1,3-Dichloroprop...	7.551	79	82711	25.898	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	103.600%		
47) 2-Hexanone-d5	8.027	63	80360	76.147	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	152.300%#		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	172186	29.582	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	118.320%		
66) 1,2-Dichlorobenzene-d4	11.558	152	204227	25.183	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	100.720%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.101	85	125292	16.935	ug/L	99
3) Chloromethane	1.211	50	179075	21.091	ug/L	99
5) Vinyl chloride	1.275	62	193283	21.623	ug/L	99
6) Bromomethane	1.481	94	122403	22.073	ug/L	99
8) Chloroethane	1.542	64	131774	23.717	ug/L	100
9) Trichlorofluoromethane	1.706	101	243161	21.905	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	163187	23.163	ug/L	98
12) 1,1-Dichloroethene	2.060	96	156776	23.860	ug/L	95
13) Acetone	2.150	43	89926m	33.354	ug/L	
14) Carbon disulfide	2.233	76	454241	19.907	ug/L	100
15) Methyl Acetate	2.384	43	91454	27.290	ug/L	96
16) Methylene chloride	2.439	84	211154	22.742	ug/L	100
17) trans-1,2-Dichloroethene	2.687	96	167328	23.973	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	469589	29.968	ug/L	100
19) 1,1-Dichloroethane	3.105	63	338488	25.465	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	187970	26.801	ug/L	99
22) 2-Butanone	3.908	43	105428	46.084	ug/L #	80
23) Bromochloromethane	4.143	128	96095	27.315	ug/L	98
25) Chloroform	4.269	83	354943	25.959	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	240099	28.126	ug/L	100
29) Cyclohexane	4.577	56	219013	22.106	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	273415	24.035	ug/L	99
31) Carbon tetrachloride	4.728	117	230194	23.066	ug/L	99
33) Benzene	5.005	78	716243	26.318	ug/L	100
34) Trichloroethene	5.828	95	217126	26.031	ug/L	99
35) Methylcyclohexane	6.047	83	245225	21.260	ug/L	99
37) 1,2-Dichloropropane	6.088	63	199879	27.970	ug/L	100
38) Bromodichloromethane	6.429	83	257631	27.238	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	289702	27.105	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	264479	68.121	ug/L	99
42) Toluene	7.310	91	746739	26.853	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	261469	28.322	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	169662	28.694	ug/L	99
46) Tetrachloroethene	7.902	164	139240	22.825	ug/L	99
48) 2-Hexanone	8.079	43	179376	59.097	ug/L	96
49) Dibromochloromethane	8.175	129	180985	27.968	ug/L	98
50) 1,2-Dibromoethane	8.281	107	165905	29.242	ug/L	99
51) Chlorobenzene	8.812	112	491049	25.916	ug/L	99
52) Ethylbenzene	8.944	91	784892	26.381	ug/L	99
53) m,p-Xylene	9.069	106	296670	26.537	ug/L	100
54) o-Xylene	9.477	106	283762	26.916	ug/L	100
55) Styrene	9.493	104	527961	28.398	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	155083	29.292	ug/L	98
59) Bromoform	9.664	173	121666	29.173	ug/L	99
60) Isopropylbenzene	9.863	105	748039	26.366	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	162824	31.131	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	548237	26.648	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	615834	27.783	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	381511	25.605	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	394136	25.628	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	362092	25.825	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	36214	30.964	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	251894	22.601	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	204465	23.300	ug/L	100
71) Naphthalene	13.435	128	607103	42.392	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	206474	25.784	ug/L	98

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

