

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060624\
 Data File : VW035979.D
 Acq On : 06 Jun 2024 10:42
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025393

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/07/2024
 Supervised By :Semsettin Yesilyurt 06/07/2024

Quant Time: Jun 07 02:06:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 05 04:01:54 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	424983	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	420394	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	226544	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	161041	20.611	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	82.440%		
7) Chloroethane-d5	1.529	69	132766	21.311	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	85.240%		
11) 1,1-Dichloroethene-d2	2.050	65	70937	20.394	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	81.560%		
21) 2-Butanone-d5	3.838	46	89083m	49.693	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	99.380%		
24) Chloroform-d	4.243	84	288396	21.345	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	85.400%		
26) 1,2-Dichloroethane-d4	4.937	65	149326	21.079	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	84.320%		
32) Benzene-d6	4.953	84	557112	22.294	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	89.160%		
36) 1,2-Dichloropropane-d6	5.985	67	172365	21.903	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	87.600%		
41) Toluene-d8	7.239	98	502725	22.801	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	91.200%		
43) trans-1,3-Dichloroprop...	7.551	79	73501	22.780	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	91.120%		
47) 2-Hexanone-d5	8.030	63	56334	52.837	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	105.680%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	129131	21.959	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	87.840%		
66) 1,2-Dichlorobenzene-d4	11.557	152	175014	21.067	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	84.280%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	160803	20.985	ug/L	99
3) Chloromethane	1.211	50	201608	22.925	ug/L	99
5) Vinyl chloride	1.278	62	213168	23.025	ug/L	100
6) Bromomethane	1.484	94	128021	22.290	ug/L	100
8) Chloroethane	1.545	64	132257	22.983	ug/L	99
9) Trichlorofluoromethane	1.709	101	264039	22.965	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	166033	22.754	ug/L	99
12) 1,1-Dichloroethene	2.063	96	156260	22.961	ug/L	98
13) Acetone	2.153	43	158607m	56.799	ug/L	
14) Carbon disulfide	2.233	76	521693	22.075	ug/L	99
15) Methyl Acetate	2.387	43	86917	25.041	ug/L	98
16) Methylene chloride	2.439	84	201711	20.976	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	166003	22.963	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	385084	23.728	ug/L	99
19) 1,1-Dichloroethane	3.104	63	321872	23.380	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	168378	23.179	ug/L	99
22) 2-Butanone	3.908	43	126549	53.409	ug/L	87
23) Bromochloromethane	4.143	128	84034	23.063	ug/L	97
25) Chloroform	4.268	83	325207	22.964	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	208969	23.635	ug/L	99
29) Cyclohexane	4.577	56	248420	24.819	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	273925	23.834	ug/L	99
31) Carbon tetrachloride	4.728	117	242992	24.100	ug/L	100
33) Benzene	5.005	78	680195	24.739	ug/L	100
34) Trichloroethene	5.828	95	207415	24.614	ug/L	99
35) Methylcyclohexane	6.043	83	288911	24.792	ug/L	99
37) 1,2-Dichloropropane	6.088	63	180496	25.001	ug/L	100
38) Bromodichloromethane	6.429	83	231986	24.277	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	264228	24.470	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	220691	56.264	ug/L	99
42) Toluene	7.310	91	720082	25.630	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	234960	25.191	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	144566	24.201	ug/L	99
46) Tetrachloroethene	7.902	164	145476	23.604	ug/L	99
48) 2-Hexanone	8.079	43	189918	61.933	ug/L	99
49) Dibromochloromethane	8.172	129	157368	24.070	ug/L	99
50) 1,2-Dibromoethane	8.281	107	140479	24.508	ug/L	99
51) Chlorobenzene	8.812	112	454287	23.732	ug/L	100
52) Ethylbenzene	8.943	91	760316	25.294	ug/L	99
53) m,p-Xylene	9.069	106	287343	25.441	ug/L	100
54) o-Xylene	9.477	106	266770	25.046	ug/L	99
55) Styrene	9.493	104	497818	26.504	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	124300	23.238	ug/L	99
59) Bromoform	9.660	173	103068	24.125	ug/L	99
60) Isopropylbenzene	9.863	105	736157	25.329	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	134306	25.067	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	525815	24.949	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	577644	25.439	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	366526	24.013	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	378422	24.020	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	343619	23.924	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	31306	26.129	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	268399	23.508	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	216692	24.105	ug/L	99
71) Naphthalene	13.435	128	401580	27.373	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	211139	25.738	ug/L	98

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

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