

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061024\
 Data File : VW036027.D
 Acq On : 10 Jun 2024 16:13
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025396

Quant Time: Jun 11 05:36:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 11 05:03:54 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/11/2024
 Supervised By :Semsettin Yesilyurt 06/11/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	415346	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	419433	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	224981	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	140335	18.378	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	73.520%		
7) Chloroethane-d5	1.529	69	124713	20.482	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	81.920%		
11) 1,1-Dichloroethene-d2	2.053	65	66301	19.504	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	78.000%		
21) 2-Butanone-d5	3.831	46	99468m	56.774	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	113.540%		
24) Chloroform-d	4.239	84	293406	22.220	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	88.880%		
26) 1,2-Dichloroethane-d4	4.937	65	155327	22.435	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	89.760%		
32) Benzene-d6	4.953	84	550056	22.062	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	88.240%		
36) 1,2-Dichloropropane-d6	5.982	67	178114	22.686	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	90.760%		
41) Toluene-d8	7.236	98	499653	22.713	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	90.840%		
43) trans-1,3-Dichloroprop...	7.548	79	75521	23.459	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	93.840%		
47) 2-Hexanone-d5	8.027	63	61833	58.127	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	116.260%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	141913	24.188	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	96.760%		
66) 1,2-Dichlorobenzene-d4	11.558	152	187131	22.682	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	90.720%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	165198	22.059	ug/L	100
3) Chloromethane	1.211	50	221086	25.724	ug/L	98
5) Vinyl chloride	1.278	62	233494	25.806	ug/L	100
6) Bromomethane	1.484	94	145891	25.991	ug/L	100
8) Chloroethane	1.545	64	150096	26.688	ug/L	99
9) Trichlorofluoromethane	1.709	101	291589	25.950	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	183991	25.801	ug/L	100
12) 1,1-Dichloroethene	2.063	96	173433	26.076	ug/L	95
13) Acetone	2.153	43	178600m	65.442	ug/L	
14) Carbon disulfide	2.233	76	567024	24.550	ug/L	100
15) Methyl Acetate	2.384	43	104404	30.777	ug/L	99
16) Methylene chloride	2.439	84	248988	26.492	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	190055	26.900	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	506306	31.921	ug/L	100
19) 1,1-Dichloroethane	3.104	63	384980	28.613	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	206698	29.115	ug/L	98
22) 2-Butanone	3.908	43	132671	57.292	ug/L #	73
23) Bromochloromethane	4.137	128	103164	28.970	ug/L	97
25) Chloroform	4.265	83	389319	28.128	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	261760	30.293	ug/L	100
29) Cyclohexane	4.574	56	272129	27.250	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	312271	27.233	ug/L	99
31) Carbon tetrachloride	4.725	117	265189	26.362	ug/L	98
33) Benzene	5.002	78	798553	29.110	ug/L	100
34) Trichloroethene	5.825	95	240374	28.590	ug/L	99
35) Methylcyclohexane	6.043	83	308013	26.492	ug/L	99
37) 1,2-Dichloropropane	6.085	63	225172	31.260	ug/L	100
38) Bromodichloromethane	6.426	83	279748	29.342	ug/L	100
39) cis-1,3-Dichloropropene	6.947	75	331770	30.795	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	280578	71.695	ug/L	99
42) Toluene	7.310	91	846735	30.207	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	295915	31.799	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	181004	30.370	ug/L	99
46) Tetrachloroethene	7.899	164	158896	25.841	ug/L	99
48) 2-Hexanone	8.075	43	223256	72.972	ug/L	98
49) Dibromochloromethane	8.172	129	194128	29.761	ug/L	98
50) 1,2-Dibromoethane	8.278	107	177233	30.992	ug/L	99
51) Chlorobenzene	8.808	112	544561	28.513	ug/L	99
52) Ethylbenzene	8.940	91	891524	29.727	ug/L	99
53) m,p-Xylene	9.069	106	337256	29.929	ug/L	98
54) o-Xylene	9.474	106	319644	30.079	ug/L	99
55) Styrene	9.490	104	596944	31.854	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	157683	29.547	ug/L	99
59) Bromoform	9.661	173	129614	30.549	ug/L	100
60) Isopropylbenzene	9.863	105	852237	29.526	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	172727	32.462	ug/L	96
62) 1,3,5-Trimethylbenzene	10.474	105	624414	29.833	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	695155	30.826	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	436429	28.792	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	447432	28.598	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	411983	28.883	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	37820	31.786	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	308515	27.209	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	252865	28.324	ug/L	100
71) Naphthalene	13.435	128	463172	31.790	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	235208	28.871	ug/L	98

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

