

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061324\
 Data File : VW036069.D
 Acq On : 13 Jun 2024 17:59
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025283

Manual Integrations
 APPROVED

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

Quant Time: Jun 14 01:21:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 14 01:10:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	369850	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	366300	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	197692	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	128481	18.895	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	75.600%		
7) Chloroethane-d5	1.526	69	116100	21.413	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	85.640%		
11) 1,1-Dichloroethene-d2	2.050	65	60610	20.023	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	80.080%		
21) 2-Butanone-d5	3.834	46	84792	54.350	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	108.700%		
24) Chloroform-d	4.243	84	281762	23.963	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	95.840%		
26) 1,2-Dichloroethane-d4	4.937	65	142298	23.082	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	92.320%		
32) Benzene-d6	4.953	84	508698	23.363	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	93.440%		
36) 1,2-Dichloropropane-d6	5.986	67	163133	23.791	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	95.160%		
41) Toluene-d8	7.239	98	453938	23.628	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	94.520%		
43) trans-1,3-Dichloroprop...	7.551	79	67240	23.917	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	95.680%		
47) 2-Hexanone-d5	8.030	63	57651	62.057	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	124.120%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	137256	26.788	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	107.160%		
66) 1,2-Dichlorobenzene-d4	11.558	152	166319	22.942	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	91.760%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.101	85	131755	19.757	ug/L	99
3) Chloromethane	1.211	50	181514	23.717	ug/L	99
5) Vinyl chloride	1.275	62	197210	24.477	ug/L	99
6) Bromomethane	1.481	94	120232	24.055	ug/L	99
8) Chloroethane	1.542	64	128403	25.639	ug/L	100
9) Trichlorofluoromethane	1.706	101	252960	25.281	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	161170	25.381	ug/L	99
12) 1,1-Dichloroethene	2.060	96	148346	25.048	ug/L	97
13) Acetone	2.156	43	129645m	53.348	ug/L	
14) Carbon disulfide	2.230	76	464566	22.588	ug/L	100
15) Methyl Acetate	2.384	43	86883	28.763	ug/L	98
16) Methylene chloride	2.439	84	193216	23.087	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	160831	25.564	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	384188	27.201	ug/L	98
19) 1,1-Dichloroethane	3.105	63	322674	26.932	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	165749	26.219	ug/L	99
22) 2-Butanone	3.918	43	116610m	56.550	ug/L	
23) Bromochloromethane	4.140	128	85915	27.094	ug/L	98
25) Chloroform	4.269	83	333118	27.029	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	210236	27.323	ug/L	100
29) Cyclohexane	4.577	56	216276	24.798	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	277429	27.704	ug/L	100
31) Carbon tetrachloride	4.728	117	236511	26.921	ug/L	100
33) Benzene	5.005	78	673833	28.127	ug/L	100
34) Trichloroethene	5.828	95	200673	27.330	ug/L	99
35) Methylcyclohexane	6.047	83	253703	24.986	ug/L	99
37) 1,2-Dichloropropane	6.088	63	186055	29.577	ug/L	99
38) Bromodichloromethane	6.429	83	233251	28.014	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	248868	26.451	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	221429	64.788	ug/L	100
42) Toluene	7.310	91	711516	29.065	ug/L	97
44) trans-1,3-Dichloropropene	7.577	75	233224	28.698	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	149455	28.714	ug/L	99
46) Tetrachloroethene	7.902	164	136299	25.381	ug/L	99
48) 2-Hexanone	8.079	43	170513	63.817	ug/L	99
49) Dibromochloromethane	8.175	129	162288	28.489	ug/L	99
50) 1,2-Dibromoethane	8.281	107	142486	28.530	ug/L	100
51) Chlorobenzene	8.812	112	447867	26.851	ug/L	99
52) Ethylbenzene	8.944	91	734655	28.050	ug/L	99
53) m,p-Xylene	9.072	106	281425	28.597	ug/L	99
54) o-Xylene	9.477	106	259607	27.973	ug/L	98
55) Styrene	9.493	104	495023	30.247	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	137238	29.446	ug/L	99
59) Bromoform	9.664	173	107299	28.780	ug/L	100
60) Isopropylbenzene	9.863	105	721543	28.449	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	140341	30.016	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	502746	27.336	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	553707	27.943	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	354681	26.629	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	364754	26.532	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	332612	26.537	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	31814	30.429	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	247146	24.806	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	196654	25.068	ug/L	99
71) Naphthalene	13.435	128	362900	28.346	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	196429	27.439	ug/L	99

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

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