

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062024\
 Data File : VW036172.D
 Acq On : 20 Jun 2024 18:35
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 21 01:49:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 20 05:02:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	397258	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	398145	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	208149	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	160558	21.983	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.920%
7) Chloroethane-d5	1.526	69	137575	23.624	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.480%
11) 1,1-Dichloroethene-d2	2.050	65	73342	22.557	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.240%
21) 2-Butanone-d5	3.815	46	95139	56.775	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.560%
24) Chloroform-d	4.243	84	326608	25.860	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.440%
26) 1,2-Dichloroethane-d4	4.937	65	177591	26.819	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.280%
32) Benzene-d6	4.953	84	629885	26.615	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.440%
36) 1,2-Dichloropropane-d6	5.986	67	188388	25.277	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.120%
41) Toluene-d8	7.240	98	576554	27.610	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.440%
43) trans-1,3-Dichloroprop...	7.551	79	79612	26.052	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.200%
47) 2-Hexanone-d5	8.027	63	68289	67.629	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.260%#
56) 1,1,2,2-Tetrachloroeth...	10.149	84	154876	27.809	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.240%
66) 1,2-Dichlorobenzene-d4	11.558	152	206040	26.993	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	151208	21.110	ug/L	100
3) Chloromethane	1.211	50	162798	19.804	ug/L	98
5) Vinyl chloride	1.275	62	186371	21.536	ug/L	98
6) Bromomethane	1.481	94	120323	22.412	ug/L	100
8) Chloroethane	1.542	64	120655	22.430	ug/L	98
9) Trichlorofluoromethane	1.706	101	260266	24.217	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	162242	23.787	ug/L	98
12) 1,1-Dichloroethene	2.060	96	146456	23.022	ug/L	97
13) Acetone	2.140	43	64022	24.527	ug/L #	42
14) Carbon disulfide	2.230	76	475723	21.535	ug/L	100
15) Methyl Acetate	2.381	43	75295	23.207	ug/L	95
16) Methylene chloride	2.439	84	183870	20.455	ug/L	95
17) trans-1,2-Dichloroethene	2.687	96	161356	23.878	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	399187	26.313	ug/L	98
19) 1,1-Dichloroethane	3.105	63	296040	23.004	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	165725	24.406	ug/L	99
22) 2-Butanone	3.902	43	78853	35.602	ug/L	83
23) Bromochloromethane	4.143	128	86474	25.389	ug/L	94
25) Chloroform	4.269	83	320877	24.239	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	210036	25.414	ug/L	99
29) Cyclohexane	4.577	56	213516	22.524	ug/L	95
30) 1,1,1-Trichloroethane	4.507	97	267948	24.617	ug/L	99
31) Carbon tetrachloride	4.728	117	232202	24.317	ug/L	99
33) Benzene	5.005	78	645551	24.791	ug/L	100
34) Trichloroethene	5.828	95	200426	25.113	ug/L	99
35) Methylcyclohexane	6.047	83	271341	24.585	ug/L	97
37) 1,2-Dichloropropane	6.088	63	169524	24.793	ug/L	98
38) Bromodichloromethane	6.429	83	226307	25.006	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	245262	23.982	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	196349	52.855	ug/L	96
42) Toluene	7.310	91	694404	26.097	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	220863	25.003	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	142203	25.135	ug/L	99
46) Tetrachloroethene	7.902	164	136478	23.382	ug/L	98
48) 2-Hexanone	8.079	43	139772	48.127	ug/L	95
49) Dibromochloromethane	8.175	129	162014	26.166	ug/L	99
50) 1,2-Dibromoethane	8.281	107	144385	26.598	ug/L	100
51) Chlorobenzene	8.812	112	450048	24.824	ug/L	98
52) Ethylbenzene	8.944	91	721717	25.352	ug/L	100
53) m,p-Xylene	9.069	106	283121	26.468	ug/L	99
54) o-Xylene	9.477	106	262792	26.051	ug/L	97
55) Styrene	9.493	104	478184	26.881	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	127616	25.192	ug/L	99
59) Bromoform	9.664	173	104239	26.555	ug/L	99
60) Isopropylbenzene	9.866	105	715685	26.800	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	131792	26.771	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	516804	26.689	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	568321	27.240	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	349362	24.912	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	356931	24.658	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	333053	25.237	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.362	75	31683	28.781	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	248571	23.696	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	203675	24.659	ug/L	99
71) Naphthalene	13.435	128	403727	29.951	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	201445	26.726	ug/L	97

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

