

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060424\
 Data File : VW035977.D
 Acq On : 04 Jun 2024 15:43
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025392

Quant Time: Jun 05 04:06:10 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	5.532	114	422536	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	440308	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	248608	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	170928	22.003	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.000%
7) Chloroethane-d5	1.529	69	137884	22.260	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.040%
11) 1,1-Dichloroethene-d2	2.050	65	74926	21.666	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.680%
21) 2-Butanone-d5	3.838	46	91976m	51.604	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.200%
24) Chloroform-d	4.246	84	306614	22.825	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.280%
26) 1,2-Dichloroethane-d4	4.941	65	162204	23.030	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.120%
32) Benzene-d6	4.957	84	591278	22.591	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.360%
36) 1,2-Dichloropropane-d6	5.986	67	183753	22.294	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.160%
41) Toluene-d8	7.239	98	542790	23.504	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	7.551	79	78243	23.152	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.600%
47) 2-Hexanone-d5	8.030	63	59867	53.611	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.220%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	140170	22.758	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.040%
66) 1,2-Dichlorobenzene-d4	11.558	152	195943	21.493	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	181006	23.758	ug/L	100
3) Chloromethane	1.211	50	222091	25.401	ug/L	99
5) Vinyl chloride	1.278	62	229301	24.911	ug/L	100
6) Bromomethane	1.484	94	140483	24.602	ug/L	100
8) Chloroethane	1.545	64	144412	25.240	ug/L	100
9) Trichlorofluoromethane	1.709	101	287268	25.130	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	180947	24.942	ug/L	99
12) 1,1-Dichloroethene	2.063	96	167650	24.777	ug/L	96
13) Acetone	2.146	43	171380m	61.728	ug/L	
14) Carbon disulfide	2.233	76	569687	24.245	ug/L	99
15) Methyl Acetate	2.384	43	98056	28.414	ug/L	99
16) Methylene chloride	2.442	84	240211	25.124	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	177857	24.745	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	437636	27.122	ug/L	99
19) 1,1-Dichloroethane	3.105	63	350585	25.613	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	186989	25.891	ug/L	99
22) 2-Butanone	3.908	43	132453	56.224	ug/L	# 75
23) Bromochloromethane	4.143	128	97272	26.850	ug/L	99
25) Chloroform	4.272	83	358625	25.470	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	236381	26.890	ug/L	100
29) Cyclohexane	4.577	56	264959	25.274	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	297666	24.729	ug/L	99
31) Carbon tetrachloride	4.728	117	261470	24.760	ug/L	100
33) Benzene	5.005	78	747894	25.971	ug/L	100
34) Trichloroethene	5.828	95	228218	25.857	ug/L	100
35) Methylcyclohexane	6.047	83	313105	25.653	ug/L	99
37) 1,2-Dichloropropane	6.092	63	203207	26.874	ug/L	100
38) Bromodichloromethane	6.429	83	259780	25.956	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	296299	26.199	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	246120	59.909	ug/L	100
42) Toluene	7.313	91	797149	27.090	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	269414	27.579	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	164991	26.371	ug/L	98
46) Tetrachloroethene	7.902	164	157295	24.368	ug/L	99
48) 2-Hexanone	8.079	43	204447	63.656	ug/L	98
49) Dibromochloromethane	8.175	129	180555	26.368	ug/L	98
50) 1,2-Dibromoethane	8.281	107	160839	26.791	ug/L	99
51) Chlorobenzene	8.812	112	509342	25.404	ug/L	99
52) Ethylbenzene	8.944	91	833250	26.467	ug/L	99
53) m,p-Xylene	9.072	106	319093	26.974	ug/L	98
54) o-Xylene	9.477	106	295070	26.450	ug/L	98
55) Styrene	9.493	104	562561	28.596	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	139466	24.895	ug/L	98
59) Bromoform	9.664	173	120834	25.773	ug/L	99
60) Isopropylbenzene	9.866	105	809996	25.396	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	154341	26.250	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	583545	25.231	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	648002	26.004	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	411095	24.543	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	426708	24.681	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	388695	24.660	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	35034	26.646	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	297454	23.741	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	245755	24.911	ug/L	99
71) Naphthalene	13.435	128	434785	27.006	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	236671	26.290	ug/L	99

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

