

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070324\
 Data File : VW036452.D
 Acq On : 03 Jul 2024 18:21
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025316

Quant Time: Jul 04 02:13:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 04 02:05:51 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/08/2024
 Supervised By :Semsettin Yesilyurt 07/08/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	301320	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	309617	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	173265	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	119329	23.319	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.280%
7) Chloroethane-d5	1.526	69	101098	24.734	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.920%
11) 1,1-Dichloroethene-d2	2.050	65	56419	23.453	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.800%
21) 2-Butanone-d5	3.838	46	60152m	50.647	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.300%
24) Chloroform-d	4.243	84	239344	26.910	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.640%
26) 1,2-Dichloroethane-d4	4.937	65	124421	26.231	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.920%
32) Benzene-d6	4.953	84	436906	24.998	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.000%
36) 1,2-Dichloropropane-d6	5.985	67	132884	25.277	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.120%
41) Toluene-d8	7.239	98	404656	25.678	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.720%
43) trans-1,3-Dichloroprop...	7.551	79	54990	23.423	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.680%
47) 2-Hexanone-d5	8.030	63	40702	48.502	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.000%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	113262	26.283	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.120%
66) 1,2-Dichlorobenzene-d4	11.557	152	150688	23.866	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	155679	27.193	ug/L	100
3) Chloromethane	1.211	50	137473	26.528	ug/L	99
5) Vinyl chloride	1.278	62	161313	26.957	ug/L	100
6) Bromomethane	1.481	94	115918	28.801	ug/L	99
8) Chloroethane	1.545	64	102577	27.813	ug/L	99
9) Trichlorofluoromethane	1.706	101	239207	27.990	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	152478	28.443	ug/L	98
12) 1,1-Dichloroethene	2.059	96	139269	29.343	ug/L	93
13) Acetone	2.146	43	69149m	43.095	ug/L	
14) Carbon disulfide	2.230	76	405034	27.048	ug/L	99
15) Methyl Acetate	2.384	43	53612	25.965	ug/L	97
16) Methylene chloride	2.439	84	150056	25.296	ug/L	96
17) trans-1,2-Dichloroethene	2.686	96	132376	28.091	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	288574	26.306	ug/L	99
19) 1,1-Dichloroethane	3.104	63	238217	28.431	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	131700	27.787	ug/L	96
22) 2-Butanone	3.911	43	60311	44.576	ug/L	90
23) Bromochloromethane	4.143	128	73256	29.641	ug/L	94
25) Chloroform	4.272	83	265312	29.688	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	166098	28.704	ug/L	97
29) Cyclohexane	4.577	56	159458	24.174	ug/L	96
30) 1,1,1-Trichloroethane	4.506	97	221733	28.883	ug/L	99
31) Carbon tetrachloride	4.728	117	198170	28.971	ug/L	99
33) Benzene	5.005	78	527205	28.749	ug/L	100
34) Trichloroethene	5.828	95	158725	27.428	ug/L	96
35) Methylcyclohexane	6.046	83	212395	26.336	ug/L	99
37) 1,2-Dichloropropane	6.088	63	130908	27.951	ug/L	98
38) Bromodichloromethane	6.429	83	183727	28.682	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	185014	25.690	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	135272	51.213	ug/L	99
42) Toluene	7.310	91	570545	29.755	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	174886	26.999	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	117976	28.499	ug/L	97
46) Tetrachloroethene	7.902	164	120277	28.599	ug/L	97
48) 2-Hexanone	8.079	43	97337	46.850	ug/L #	96
49) Dibromochloromethane	8.175	129	135049	29.265	ug/L	100
50) 1,2-Dibromoethane	8.281	107	115572	28.339	ug/L	97
51) Chlorobenzene	8.812	112	371826	28.368	ug/L	97
52) Ethylbenzene	8.943	91	589293	28.478	ug/L	99
53) m,p-Xylene	9.069	106	229446	29.751	ug/L	100
54) o-Xylene	9.477	106	212063	29.240	ug/L	95
55) Styrene	9.493	104	400773	31.531	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	103573	27.955	ug/L	97
59) Bromoform	9.664	173	91896	28.019	ug/L	98
60) Isopropylbenzene	9.866	105	583522	27.860	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	103553	26.483	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	403681	26.932	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	448989	27.565	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	296989	27.212	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	309667	26.470	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	279791	26.854	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	23176	26.419	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	207606	25.263	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	161639	24.665	ug/L	99
71) Naphthalene	13.435	128	279355	23.908	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	164155	26.638	ug/L	99

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

