

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070224\
 Data File : VW036426.D
 Acq On : 02 Jul 2024 16:56
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025314

Quant Time: Jul 03 05:13:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 05:08:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/05/2024
 Supervised By :Semsettin Yesilyurt 07/05/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	349022	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	360222	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	196876	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	116191	19.602	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	78.400%		
7) Chloroethane-d5	1.526	69	98891	20.887	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	83.560%		
11) 1,1-Dichloroethene-d2	2.050	65	53090	19.052	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	76.200%		
21) 2-Butanone-d5	3.841	46	65476	47.595	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	95.180%		
24) Chloroform-d	4.243	84	233812	22.695	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	90.800%		
26) 1,2-Dichloroethane-d4	4.937	65	126624	23.047	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	92.200%		
32) Benzene-d6	4.953	84	430833	21.187	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	84.760%		
36) 1,2-Dichloropropane-d6	5.986	67	134029	21.913	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	87.640%		
41) Toluene-d8	7.239	98	390145	21.280	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	85.120%		
43) trans-1,3-Dichloroprop...	7.551	79	60484	22.144	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	88.560%		
47) 2-Hexanone-d5	8.030	63	46132	47.250	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	94.500%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	116105	23.157	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	92.640%		
66) 1,2-Dichlorobenzene-d4	11.558	152	151764	21.153	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	84.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	156707	23.631	ug/L	99
3) Chloromethane	1.211	50	153268	25.533	ug/L	99
5) Vinyl chloride	1.275	62	169072	24.392	ug/L	99
6) Bromomethane	1.481	94	118443	25.407	ug/L	99
8) Chloroethane	1.542	64	108285	25.348	ug/L	100
9) Trichlorofluoromethane	1.706	101	234756	23.715	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	147613	23.772	ug/L	99
12) 1,1-Dichloroethene	2.060	96	135925	24.724	ug/L	96
13) Acetone	2.163	43	80648m	43.392	ug/L	
14) Carbon disulfide	2.230	76	420420	24.238	ug/L	99
15) Methyl Acetate	2.384	43	68241	28.532	ug/L	98
16) Methylene chloride	2.439	84	178172	25.930	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	139764	25.605	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	354169	27.873	ug/L	100
19) 1,1-Dichloroethane	3.105	63	257121	26.493	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	150130	27.346	ug/L	100
22) 2-Butanone	3.912	43	76900	49.069	ug/L	87
23) Bromochloromethane	4.143	128	78669	27.481	ug/L	96
25) Chloroform	4.269	83	281505	27.195	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	185164	27.625	ug/L	98
29) Cyclohexane	4.574	56	177284	23.101	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	227637	25.486	ug/L	99
31) Carbon tetrachloride	4.728	117	198795	24.980	ug/L	100
33) Benzene	5.005	78	567116	26.581	ug/L	100
34) Trichloroethene	5.828	95	174945	25.984	ug/L	97
35) Methylcyclohexane	6.047	83	216653	23.090	ug/L	99
37) 1,2-Dichloropropane	6.088	63	147374	27.046	ug/L	98
38) Bromodichloromethane	6.429	83	199205	26.729	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	223964	26.729	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	174325	56.726	ug/L	98
42) Toluene	7.310	91	605367	27.136	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	205174	27.225	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	130665	27.130	ug/L	98
46) Tetrachloroethene	7.902	164	122902	25.118	ug/L	97
48) 2-Hexanone	8.079	43	126003	52.127	ug/L	99
49) Dibromochloromethane	8.172	129	147369	27.448	ug/L	99
50) 1,2-Dibromoethane	8.281	107	132674	27.963	ug/L	99
51) Chlorobenzene	8.812	112	400494	26.262	ug/L	98
52) Ethylbenzene	8.944	91	632591	26.276	ug/L	100
53) m,p-Xylene	9.069	106	243291	27.115	ug/L	99
54) o-Xylene	9.477	106	233348	27.655	ug/L	99
55) Styrene	9.493	104	432181	29.225	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	115955	26.900	ug/L	98
59) Bromoform	9.664	173	98924	26.544	ug/L	99
60) Isopropylbenzene	9.863	105	615239	25.852	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	119306	26.853	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	446070	26.191	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	493048	26.640	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	318468	25.681	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	329540	24.791	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	305857	25.835	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	27422	27.511	ug/L	94
69) 1,3,5-Trichlorobenzene	12.580	180	227459	24.359	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	188641	25.333	ug/L	99
71) Naphthalene	13.435	128	359651	27.089	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	187925	26.838	ug/L	99

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

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