

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052924\
 Data File : VW035858.D
 Acq On : 29 May 2024 12:54
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025383

Quant Time: May 30 00:57:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 29 02:22:14 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/31/2024
 Supervised By :Semsettin Yesilyurt 05/31/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	505929	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	496285	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	268101	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	215918	27.612	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 110.440%	
7) Chloroethane-d5	1.529	69	172911	27.409	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 109.640%	
11) 1,1-Dichloroethene-d2	2.056	65	92087	26.600	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 106.400%	
21) 2-Butanone-d5	3.841	46	108603m	48.938	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	= 97.880%	
24) Chloroform-d	4.243	84	397905	26.455	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 105.800%	
26) 1,2-Dichloroethane-d4	4.937	65	203339	27.346	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 109.400%	
32) Benzene-d6	4.953	84	776547	28.585	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 114.320%	
36) 1,2-Dichloropropane-d6	5.986	67	242532	28.929	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 115.720%	
41) Toluene-d8	7.239	98	715859	29.608	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 118.440%	
43) trans-1,3-Dichloroprop...	7.551	79	100783	28.108	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 112.440%	
47) 2-Hexanone-d5	8.030	63	71401	47.363	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 94.720%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	152360	18.860	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 75.440%	
66) 1,2-Dichlorobenzene-d4	11.558	152	254097	27.310	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 109.240%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	196655	19.119	ug/L	99
3) Chloromethane	1.214	50	192030	18.595	ug/L	98
5) Vinyl chloride	1.282	62	218943	20.521	ug/L	100
6) Bromomethane	1.487	94	132596	19.628	ug/L	99
8) Chloroethane	1.548	64	143825	21.868	ug/L	98
9) Trichlorofluoromethane	1.712	101	319843	22.967	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	217573	24.762	ug/L	97
12) 1,1-Dichloroethene	2.066	96	179605	22.631	ug/L	85
13) Acetone	2.163	43	124543	38.338	ug/L	99
14) Carbon disulfide	2.236	76	412690	16.417	ug/L	100
15) Methyl Acetate	2.388	43	94168	19.133	ug/L	93
16) Methylene chloride	2.442	84	260782	22.353	ug/L	93
17) trans-1,2-Dichloroethene	2.690	96	195072	22.141	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	543527	25.574	ug/L	98
19) 1,1-Dichloroethane	3.108	63	426305	25.809	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	229315	24.009	ug/L	93
22) 2-Butanone	3.908	43	145759m	48.316	ug/L	
23) Bromochloromethane	4.143	128	106749	23.108	ug/L	92
25) Chloroform	4.272	83	450374	26.405	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	265474	24.995	ug/L	99
29) Cyclohexane	4.577	56	284596	23.980	ug/L	97
30) 1,1,1-Trichloroethane	4.507	97	371149	26.972	ug/L	98
31) Carbon tetrachloride	4.728	117	315906	26.165	ug/L	99
33) Benzene	5.005	78	862242	26.251	ug/L	100
34) Trichloroethene	5.828	95	273023	29.386	ug/L	98
35) Methylcyclohexane	6.047	83	336811	23.878	ug/L	97
37) 1,2-Dichloropropane	6.088	63	244671	28.551	ug/L	98
38) Bromodichloromethane	6.429	83	322104	27.746	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	364554	27.198	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	287898	56.096	ug/L	96
42) Toluene	7.310	91	932643	26.831	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	321776	27.443	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	196430	26.977	ug/L	98
46) Tetrachloroethene	7.902	164	180142	23.866	ug/L	98
48) 2-Hexanone	8.079	43	205784	53.477	ug/L	99
49) Dibromochloromethane	8.172	129	218184	26.556	ug/L	99
50) 1,2-Dibromoethane	8.281	107	180911	25.220	ug/L	99
51) Chlorobenzene	8.809	112	623401	25.847	ug/L	99
52) Ethylbenzene	8.944	91	1051187	27.390	ug/L	99
53) m,p-Xylene	9.069	106	392173	26.934	ug/L	100
54) o-Xylene	9.474	106	380688	27.586	ug/L	98
55) Styrene	9.493	104	690125	28.672	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	158223	17.839	ug/L	99
59) Bromoform	9.661	173	138974	26.377	ug/L	99
60) Isopropylbenzene	9.863	105	1082439	30.309	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	178592	28.427	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	868801	31.011	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	880412	30.581	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	533209	28.450	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	540493	27.857	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	496145	28.122	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	40022	27.468	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	412594	28.171	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	347619	28.424	ug/L	98
71) Naphthalene	13.435	128	604060	28.136	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	319596	29.050	ug/L	100

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

