

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071624\
 Data File : VW036580.D
 Acq On : 16 Jul 2024 20:17
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025326

Quant Time: Jul 17 02:31:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 17 02:15:19 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 07/17/2024
 Supervised By :Mahesh Dadoda 07/19/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	235507	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	267095	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	159574	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	77543	22.982	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	91.920%		
7) Chloroethane-d5	1.526	69	70438	23.878	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	95.520%		
11) 1,1-Dichloroethene-d2	2.050	65	39363	22.719	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	90.880%		
21) 2-Butanone-d5	3.847	46	35018	60.638	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	121.280%		
24) Chloroform-d	4.243	84	179925	26.247	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	105.000%		
26) 1,2-Dichloroethane-d4	4.937	65	92564	27.225	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	108.880%		
32) Benzene-d6	4.953	84	317400	23.820	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	95.280%		
36) 1,2-Dichloropropane-d6	5.986	67	93308	23.496	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	94.000%		
41) Toluene-d8	7.240	98	310105	25.223	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	100.880%		
43) trans-1,3-Dichloroprop...	7.555	79	37128	22.487	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	89.960%		
47) 2-Hexanone-d5	8.034	63	26035	59.028	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	118.060%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	90421	27.035	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	108.160%		
66) 1,2-Dichlorobenzene-d4	11.558	152	130329	24.067	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	96.280%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.102	85	69465	20.352	ug/L	100
3) Chloromethane	1.211	50	58352	21.304	ug/L	98
5) Vinyl chloride	1.275	62	72534	21.521	ug/L	98
6) Bromomethane	1.481	94	59861	22.012	ug/L	98
8) Chloroethane	1.542	64	52320	22.439	ug/L	99
9) Trichlorofluoromethane	1.706	101	134353	22.459	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	90223	22.368	ug/L	99
12) 1,1-Dichloroethene	2.060	96	77523	22.283	ug/L	92
13) Acetone	2.150	43	35203m	43.117	ug/L	
14) Carbon disulfide	2.230	76	146753	18.787	ug/L	100
15) Methyl Acetate	2.388	43	31831	28.857	ug/L	93
16) Methylene chloride	2.439	84	108374	22.383	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	72543	22.945	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	194405	27.440	ug/L	99
19) 1,1-Dichloroethane	3.105	63	141103	24.656	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	81384	24.766	ug/L	96
22) 2-Butanone	3.921	43	35392m	51.633	ug/L	
23) Bromochloromethane	4.143	128	52332	28.040	ug/L	94
25) Chloroform	4.272	83	178351	26.247	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	110801	29.028	ug/L	100
29) Cyclohexane	4.574	56	59272	17.444	ug/L	96
30) 1,1,1-Trichloroethane	4.507	97	139467	22.462	ug/L	99
31) Carbon tetrachloride	4.728	117	121128	21.997	ug/L	99
33) Benzene	5.005	78	308481	23.338	ug/L	100
34) Trichloroethene	5.828	95	96492	22.941	ug/L	98
35) Methylcyclohexane	6.047	83	90014	18.752	ug/L	99
37) 1,2-Dichloropropane	6.088	63	82074	24.604	ug/L	99
38) Bromodichloromethane	6.429	83	130152	24.624	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	104423	20.300	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	86460	57.035	ug/L	98
42) Toluene	7.314	91	347247	24.793	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	105494	23.002	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	89256	27.154	ug/L	97
46) Tetrachloroethene	7.902	164	75649	22.244	ug/L	98
48) 2-Hexanone	8.082	43	62116	55.240	ug/L	96
49) Dibromochloromethane	8.172	129	107419	27.025	ug/L	99
50) 1,2-Dibromoethane	8.281	107	85391	27.680	ug/L	98
51) Chlorobenzene	8.812	112	256265	24.431	ug/L	97
52) Ethylbenzene	8.944	91	349933	23.292	ug/L	99
53) m,p-Xylene	9.072	106	141367	24.440	ug/L	100
54) o-Xylene	9.477	106	136676	24.818	ug/L	95
55) Styrene	9.493	104	269431	27.344	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	82807	27.588	ug/L	98
59) Bromoform	9.664	173	76124	26.917	ug/L	99
60) Isopropylbenzene	9.863	105	353890	22.199	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	75666	26.651	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	248367	21.755	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	286146	23.035	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	227628	24.154	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	242932	24.006	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	227087	25.075	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	17670	28.766	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	166812	22.860	ug/L	97
70) 1,2,4-trichlorobenzene	13.194	180	134124	23.110	ug/L	99
71) Naphthalene	13.435	128	219357	25.166	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	142915	26.028	ug/L	99

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

