

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072424\
 Data File : VW036661.D
 Acq On : 24 Jul 2024 09:09
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025335

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/25/2024
 Supervised By :Mahesh Dadoda 07/26/2024

Quant Time: Jul 25 00:44:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 24 00:57:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	343331	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	352971	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	207623	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	86230	22.932	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	91.720%		
7) Chloroethane-d5	1.526	69	84369	24.842	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	99.360%		
11) 1,1-Dichloroethene-d2	2.050	65	47806	24.044	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	96.160%		
21) 2-Butanone-d5	3.850	46	43350m	49.398	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	98.800%		
24) Chloroform-d	4.239	84	240765	26.515	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	106.080%		
26) 1,2-Dichloroethane-d4	4.934	65	121302	27.079	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	108.320%		
32) Benzene-d6	4.950	84	413191	24.699	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	98.800%		
36) 1,2-Dichloropropane-d6	5.982	67	116676	24.478	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	97.920%		
41) Toluene-d8	7.236	98	399188	25.005	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	100.000%		
43) trans-1,3-Dichloroprop...	7.551	79	53456	25.227	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	100.920%		
47) 2-Hexanone-d5	8.030	63	32504	51.239	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	102.480%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	106725	25.689	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	102.760%		
66) 1,2-Dichlorobenzene-d4	11.557	152	172849	23.849	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	95.400%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	154091	26.465	ug/L	100
3) Chloromethane	1.211	50	118194	26.385	ug/L	99
5) Vinyl chloride	1.275	62	145535	26.271	ug/L	99
6) Bromomethane	1.481	94	118822	26.827	ug/L	97
8) Chloroethane	1.542	64	95434	26.583	ug/L	99
9) Trichlorofluoromethane	1.706	101	261545	27.191	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	163109	27.254	ug/L	99
12) 1,1-Dichloroethene	2.059	96	146296	27.621	ug/L	97
13) Acetone	2.156	43	66751	46.824	ug/L	82
14) Carbon disulfide	2.230	76	401006	27.278	ug/L	100
15) Methyl Acetate	2.387	43	41352	24.864	ug/L	96
16) Methylene chloride	2.439	84	151532	23.721	ug/L	96
17) trans-1,2-Dichloroethene	2.683	96	142799	26.696	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	289941	25.843	ug/L	98
19) 1,1-Dichloroethane	3.101	63	223695	26.655	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	143886	25.757	ug/L	98
22) 2-Butanone	3.915	43	60060m	49.633	ug/L	
23) Bromochloromethane	4.140	128	81853	27.571	ug/L	97
25) Chloroform	4.265	83	275484	27.195	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	166405	27.376	ug/L	99
29) Cyclohexane	4.571	56	155936	24.779	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	240521	26.339	ug/L	100
31) Carbon tetrachloride	4.725	117	223688	26.218	ug/L	98
33) Benzene	5.002	78	527564	26.319	ug/L	100
34) Trichloroethene	5.825	95	168932	25.752	ug/L	98
35) Methylcyclohexane	6.043	83	223031	25.534	ug/L	99
37) 1,2-Dichloropropane	6.085	63	123478	26.766	ug/L	99
38) Bromodichloromethane	6.426	83	196572	26.135	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	201648	26.621	ug/L	96
40) 4-Methyl-2-pentanone	7.159	43	106790	49.574	ug/L	99
42) Toluene	7.310	91	607294	27.353	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	181750	26.719	ug/L	100
45) 1,1,2-Trichloroethane	7.763	97	121647	27.038	ug/L	100
46) Tetrachloroethene	7.898	164	149870	23.023	ug/L	99
48) 2-Hexanone	8.079	43	88452	52.370	ug/L	96
49) Dibromochloromethane	8.172	129	154149	27.194	ug/L	100
50) 1,2-Dibromoethane	8.278	107	120992	26.767	ug/L	99
51) Chlorobenzene	8.808	112	417135	25.949	ug/L	99
52) Ethylbenzene	8.940	91	649830	26.608	ug/L	100
53) m,p-Xylene	9.069	106	263181	27.602	ug/L	100
54) o-Xylene	9.474	106	246785	26.938	ug/L	100
55) Styrene	9.490	104	446791	28.761	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	106599	26.150	ug/L	97
59) Bromoform	9.660	173	103031	26.349	ug/L	99
60) Isopropylbenzene	9.863	105	673268	26.499	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	95683	26.142	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	544104	27.455	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	547647	27.298	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	370146	26.061	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	383972	26.251	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	346070	26.205	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	21998	25.522	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	290554	25.933	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	229911	25.262	ug/L	100
71) Naphthalene	13.435	128	313213	23.135	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	214746	26.151	ug/L	100

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

