

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061424\
 Data File : VW036082.D
 Acq On : 14 Jun 2024 09:13
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025285

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/18/2024
 Supervised By :Semsettin Yesilyurt 06/18/2024

Quant Time: Jun 15 01:25:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 14 02:40:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	421265	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	428630	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	233438	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	126776	16.369	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	65.480%		
7) Chloroethane-d5	1.529	69	114574	18.553	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	74.200%		
11) 1,1-Dichloroethene-d2	2.053	65	60606	17.578	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	70.320%		
21) 2-Butanone-d5	3.835	46	97468m	54.850	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	109.700%		
24) Chloroform-d	4.246	84	289697	21.631	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	86.520%		
26) 1,2-Dichloroethane-d4	4.941	65	150954	21.497	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	86.000%		
32) Benzene-d6	4.957	84	529293	20.774	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	83.080%		
36) 1,2-Dichloropropane-d6	5.986	67	175213	21.837	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	87.360%		
41) Toluene-d8	7.240	98	474008	21.085	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	84.360%		
43) trans-1,3-Dichloroprop...	7.551	79	71705	21.796	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	87.200%		
47) 2-Hexanone-d5	8.031	63	61797	56.847	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	113.700%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	146563	24.445	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	97.760%		
66) 1,2-Dichlorobenzene-d4	11.558	152	186114	21.741	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	86.960%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	133943	17.634	ug/L	100
3) Chloromethane	1.211	50	178245	20.448	ug/L	100
5) Vinyl chloride	1.278	62	193532	21.089	ug/L	99
6) Bromomethane	1.484	94	122791	21.568	ug/L	99
8) Chloroethane	1.545	64	129607	22.721	ug/L	98
9) Trichlorofluoromethane	1.709	101	262719	23.052	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	173493	23.987	ug/L	99
12) 1,1-Dichloroethene	2.063	96	153970	22.824	ug/L	98
13) Acetone	2.153	43	159354m	57.570	ug/L	
14) Carbon disulfide	2.233	76	459319	19.607	ug/L	99
15) Methyl Acetate	2.388	43	91276	26.529	ug/L	97
16) Methylene chloride	2.442	84	190629	19.998	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	163530	22.820	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	418636	26.023	ug/L	99
19) 1,1-Dichloroethane	3.108	63	333560	24.443	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	174672	24.258	ug/L	98
22) 2-Butanone	3.915	43	120270	51.207	ug/L #	81
23) Bromochloromethane	4.143	128	86388	23.918	ug/L	98
25) Chloroform	4.272	83	340568	24.260	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	220380	25.146	ug/L	100
29) Cyclohexane	4.577	56	242946	23.805	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	285607	24.373	ug/L	100
31) Carbon tetrachloride	4.732	117	242986	23.637	ug/L	100
33) Benzene	5.005	78	697276	24.873	ug/L	100
34) Trichloroethene	5.828	95	209311	24.361	ug/L	100
35) Methylcyclohexane	6.047	83	285521	24.030	ug/L	99
37) 1,2-Dichloropropane	6.089	63	190821	25.923	ug/L	100
38) Bromodichloromethane	6.429	83	245561	25.204	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	265781	24.141	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	228985	57.256	ug/L	99
42) Toluene	7.314	91	740179	25.839	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	249389	26.225	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	156383	25.676	ug/L	99
46) Tetrachloroethene	7.902	164	143978	22.912	ug/L	99
48) 2-Hexanone	8.079	43	179300	57.347	ug/L	96
49) Dibromochloromethane	8.175	129	169037	25.358	ug/L	98
50) 1,2-Dibromoethane	8.281	107	149690	25.614	ug/L	99
51) Chlorobenzene	8.812	112	480497	24.619	ug/L	100
52) Ethylbenzene	8.944	91	794265	25.916	ug/L	99
53) m,p-Xylene	9.069	106	297075	25.797	ug/L	98
54) o-Xylene	9.474	106	281116	25.886	ug/L	99
55) Styrene	9.494	104	520985	27.205	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	140195	25.706	ug/L	98
59) Bromoform	9.664	173	109104	24.783	ug/L	99
60) Isopropylbenzene	9.863	105	786008	26.245	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	144131	26.106	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	556609	25.630	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	618537	26.435	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	388509	24.702	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	399833	24.630	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	361534	24.428	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	32856	26.613	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	283501	24.098	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	233471	25.204	ug/L	99
71) Naphthalene	13.435	128	415401	27.479	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	221861	26.246	ug/L	99

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

