

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052024\
 Data File : VW035632.D
 Acq On : 20 May 2024 13:24
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025366

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024

Quant Time: May 21 02:12:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 21 02:11:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	383419	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	406929	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	240881	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	120201	20.283	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	81.120%		
7) Chloroethane-d5	1.526	69	103801	21.712	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	86.840%		
11) 1,1-Dichloroethene-d2	2.050	65	55347	21.096	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	84.400%		
21) 2-Butanone-d5	3.844	46	76543	45.512	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	91.020%		
24) Chloroform-d	4.240	84	276689	24.273	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	97.080%		
26) 1,2-Dichloroethane-d4	4.937	65	135235	23.998	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	96.000%		
32) Benzene-d6	4.950	84	484961	21.771	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	87.080%		
36) 1,2-Dichloropropane-d6	5.982	67	157489	22.910	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	91.640%		
41) Toluene-d8	7.240	98	438086	22.098	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	88.400%		
43) trans-1,3-Dichloroprop...	7.551	79	64157	21.822	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	87.280%		
47) 2-Hexanone-d5	8.031	63	55013	44.505	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	89.020%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	143931	21.728	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	86.920%		
66) 1,2-Dichlorobenzene-d4	11.558	152	182104	21.784	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	87.120%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	204125	26.186	ug/L	100
3) Chloromethane	1.211	50	199389	25.476	ug/L	99
5) Vinyl chloride	1.278	62	219503	27.147	ug/L	100
6) Bromomethane	1.484	94	136681	26.697	ug/L	99
8) Chloroethane	1.545	64	141321	28.353	ug/L	97
9) Trichlorofluoromethane	1.706	101	303630	28.769	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	198741	29.846	ug/L	100
12) 1,1-Dichloroethene	2.063	96	170218	28.301	ug/L	96
13) Acetone	2.159	43	123819m	50.294	ug/L	
14) Carbon disulfide	2.233	76	454657	23.866	ug/L	100
15) Methyl Acetate	2.384	43	100659m	26.987	ug/L	
16) Methylene chloride	2.439	84	247601	28.004	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	185367	27.762	ug/L	99
18) Methyl tert-butyl Ether	2.700	73	484104	30.056	ug/L	99
19) 1,1-Dichloroethane	3.101	63	381761	30.497	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	205632	28.408	ug/L	98
22) 2-Butanone	3.912	43	108898	47.631	ug/L	97
23) Bromochloromethane	4.140	128	104325	29.799	ug/L	97
25) Chloroform	4.265	83	397585	30.758	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	245721	30.527	ug/L	100
29) Cyclohexane	4.574	56	261076	26.829	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	336862	29.855	ug/L	99
31) Carbon tetrachloride	4.725	117	289446	29.237	ug/L	99
33) Benzene	5.002	78	789130	29.301	ug/L	100
34) Trichloroethene	5.825	95	232526	30.523	ug/L	98
35) Methylcyclohexane	6.043	83	311011	26.890	ug/L	97
37) 1,2-Dichloropropane	6.085	63	215832	30.716	ug/L	100
38) Bromodichloromethane	6.426	83	287364	30.189	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	318671	28.996	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	236118	56.109	ug/L	97
42) Toluene	7.310	91	849559	29.807	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	281707	29.302	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	177452	29.722	ug/L	99
46) Tetrachloroethene	7.899	164	171069	27.640	ug/L	98
48) 2-Hexanone	8.079	43	169965	53.868	ug/L	98
49) Dibromochloromethane	8.172	129	197699	29.346	ug/L	100
50) 1,2-Dibromoethane	8.278	107	166986	28.391	ug/L	100
51) Chlorobenzene	8.809	112	567618	28.702	ug/L	100
52) Ethylbenzene	8.940	91	933571	29.667	ug/L	99
53) m,p-Xylene	9.069	106	356928	29.896	ug/L	100
54) o-Xylene	9.474	106	341178	30.152	ug/L	100
55) Styrene	9.490	104	624626	31.649	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	171880	23.634	ug/L	99
59) Bromoform	9.661	173	128330	27.109	ug/L	99
60) Isopropylbenzene	9.863	105	953328	29.711	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	155527	27.553	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	763364	30.327	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	769846	29.762	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	475598	28.244	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	487261	27.951	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	445056	28.077	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	34548	26.390	ug/L	95
69) 1,3,5-Trichlorobenzene	12.577	180	362742	27.566	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	297027	27.032	ug/L	100
71) Naphthalene	13.435	128	464446	24.077	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	279345	28.260	ug/L	100

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

