

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062424\
 Data File : VW036235.D
 Acq On : 24 Jun 2024 10:15
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025301

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/26/2024
 Supervised By :Mahesh Dadoda 06/26/2024

Quant Time: Jun 25 04:50:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 02:57:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	275218	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	281671	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	152111	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	92794	18.339	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	73.360%		
7) Chloroethane-d5	1.529	69	80260	19.893	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	79.560%		
11) 1,1-Dichloroethene-d2	2.050	65	44526	19.767	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	79.080%		
21) 2-Butanone-d5	3.847	46	55625m	47.914	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	95.820%		
24) Chloroform-d	4.243	84	192510	22.002	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	88.000%		
26) 1,2-Dichloroethane-d4	4.937	65	99692	21.731	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	86.920%		
32) Benzene-d6	4.953	84	349754	20.889	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	83.560%		
36) 1,2-Dichloropropane-d6	5.985	67	109335	20.736	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	82.960%		
41) Toluene-d8	7.239	98	317183	21.470	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	85.880%		
43) trans-1,3-Dichloroprop...	7.551	79	45364	20.983	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	83.920%		
47) 2-Hexanone-d5	8.034	63	31439	44.010	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	88.020%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	92321	23.432	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	93.720%		
66) 1,2-Dichlorobenzene-d4	11.558	152	116094	20.813	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	83.240%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	119337	24.048	ug/L	100
3) Chloromethane	1.211	50	133906	23.513	ug/L	98
5) Vinyl chloride	1.278	62	156111	26.038	ug/L	99
6) Bromomethane	1.484	94	105212	28.287	ug/L	99
8) Chloroethane	1.545	64	100925	27.082	ug/L	100
9) Trichlorofluoromethane	1.709	101	220809	29.656	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	142413	30.138	ug/L	100
12) 1,1-Dichloroethene	2.063	96	127738	28.984	ug/L	89
13) Acetone	2.153	43	102504m	56.683	ug/L	
14) Carbon disulfide	2.230	76	388234	25.367	ug/L	100
15) Methyl Acetate	2.388	43	54173	24.101	ug/L	95
16) Methylene chloride	2.439	84	151727	24.364	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	124246	26.539	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	292084	27.791	ug/L	99
19) 1,1-Dichloroethane	3.105	63	242170	27.163	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	129248	27.475	ug/L	98
22) 2-Butanone	3.912	43	80313m	52.340	ug/L	
23) Bromochloromethane	4.140	128	66196	28.053	ug/L	98
25) Chloroform	4.269	83	252604	27.543	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	161534	28.212	ug/L	98
29) Cyclohexane	4.574	56	175666	26.194	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	213192	27.686	ug/L	99
31) Carbon tetrachloride	4.728	117	185206	27.416	ug/L	99
33) Benzene	5.002	78	512711	27.831	ug/L	100
34) Trichloroethene	5.828	95	150140	26.592	ug/L	99
35) Methylcyclohexane	6.043	83	209680	26.855	ug/L	99
37) 1,2-Dichloropropane	6.088	63	136053	28.126	ug/L	100
38) Bromodichloromethane	6.429	83	179157	27.982	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	195120	26.969	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	141702	53.918	ug/L	97
42) Toluene	7.310	91	545540	28.981	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	177570	28.415	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	111325	27.814	ug/L	99
46) Tetrachloroethene	7.902	164	109210	26.447	ug/L	99
48) 2-Hexanone	8.079	43	115010	55.977	ug/L	98
49) Dibromochloromethane	8.172	129	123685	28.236	ug/L	99
50) 1,2-Dibromoethane	8.281	107	107755	28.058	ug/L	97
51) Chlorobenzene	8.812	112	352895	27.514	ug/L	98
52) Ethylbenzene	8.944	91	575441	28.572	ug/L	99
53) m,p-Xylene	9.069	106	219580	29.016	ug/L	99
54) o-Xylene	9.477	106	204956	28.720	ug/L	97
55) Styrene	9.493	104	382289	30.377	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	105303	29.383	ug/L	99
59) Bromoform	9.664	173	79173	27.600	ug/L	99
60) Isopropylbenzene	9.863	105	565251	28.965	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	98001	27.241	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	398535	28.163	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	444243	29.137	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	280226	27.343	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	292159	27.619	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	261096	27.073	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	22720	28.242	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	200720	26.183	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	163349	27.062	ug/L	100
71) Naphthalene	13.435	128	290258	29.466	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	159108	28.886	ug/L	99

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

