

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061124\
 Data File : VW036040.D
 Acq On : 11 Jun 2024 17:27
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025398

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/12/2024
 Supervised By :Semsettin Yesilyurt 06/12/2024

Quant Time: Jun 12 02:09:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 12 02:05:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	340642	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	356031	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	192923	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	147730	23.589	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.360%
7) Chloroethane-d5	1.529	69	132472	26.528	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.120%
11) 1,1-Dichloroethene-d2	2.053	65	70571	25.312	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.240%
21) 2-Butanone-d5	3.841	46	104253	72.554	ug/L	0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	145.100%#
24) Chloroform-d	4.243	84	322248	29.756	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	119.040%
26) 1,2-Dichloroethane-d4	4.937	65	176165	31.025	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	124.120%
32) Benzene-d6	4.953	84	606694	28.667	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.680%
36) 1,2-Dichloropropane-d6	5.986	67	198681	29.812	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.240%
41) Toluene-d8	7.240	98	546212	29.251	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.000%
43) trans-1,3-Dichloroprop...	7.551	79	82108	30.047	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	120.200%
47) 2-Hexanone-d5	8.030	63	73884	81.825	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	163.640%#
56) 1,1,2,2-Tetrachloroeth...	10.149	84	165198	33.171	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	132.680%#
66) 1,2-Dichlorobenzene-d4	11.558	152	210551	29.761	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	119.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	118528	19.298	ug/L	100
3) Chloromethane	1.211	50	158927	22.547	ug/L	98
5) Vinyl chloride	1.278	62	164326	22.144	ug/L	99
6) Bromomethane	1.484	94	104094	22.612	ug/L	100
8) Chloroethane	1.545	64	109074	23.647	ug/L	98
9) Trichlorofluoromethane	1.709	101	210936	22.889	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	135816	23.222	ug/L	100
12) 1,1-Dichloroethene	2.063	96	126527	23.195	ug/L	90
13) Acetone	2.156	43	116992m	52.269	ug/L	
14) Carbon disulfide	2.233	76	403988	21.327	ug/L	100
15) Methyl Acetate	2.388	43	77647	27.910	ug/L	100
16) Methylene chloride	2.442	84	192475	24.971	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	137797	23.781	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	357292	27.466	ug/L	99
19) 1,1-Dichloroethane	3.108	63	279393	25.319	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	147302	25.299	ug/L	99
22) 2-Butanone	3.912	43	107332m	56.514	ug/L	
23) Bromochloromethane	4.143	128	75063	25.701	ug/L	96
25) Chloroform	4.272	83	286468	25.236	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	197220	27.829	ug/L	100
29) Cyclohexane	4.577	56	192214	22.675	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	230788	23.711	ug/L	99
31) Carbon tetrachloride	4.728	117	199067	23.313	ug/L	98
33) Benzene	5.005	78	587313	25.222	ug/L	100
34) Trichloroethene	5.831	95	174062	24.390	ug/L	99
35) Methylcyclohexane	6.047	83	220137	22.305	ug/L	98
37) 1,2-Dichloropropane	6.088	63	161065	26.342	ug/L	100
38) Bromodichloromethane	6.429	83	202995	25.083	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	235116	25.710	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	204839	61.663	ug/L	98
42) Toluene	7.313	91	605963	25.467	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	213190	26.989	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	133469	26.382	ug/L	99
46) Tetrachloroethene	7.902	164	117823	22.574	ug/L	100
48) 2-Hexanone	8.079	43	157304	60.571	ug/L	98
49) Dibromochloromethane	8.172	129	144546	26.106	ug/L	100
50) 1,2-Dibromoethane	8.281	107	130519	26.887	ug/L	100
51) Chlorobenzene	8.812	112	392883	24.234	ug/L	100
52) Ethylbenzene	8.944	91	632029	24.827	ug/L	99
53) m,p-Xylene	9.069	106	239720	25.061	ug/L	96
54) o-Xylene	9.474	106	223872	24.818	ug/L	98
55) Styrene	9.493	104	423046	26.595	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	122448	27.031	ug/L	99
59) Bromoform	9.664	173	97340	26.755	ug/L	98
60) Isopropylbenzene	9.863	105	616070	24.891	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	128944	28.260	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	434958	24.235	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	483571	25.007	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	316115	24.320	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	328630	24.495	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	306892	25.090	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	28664	28.094	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	228731	23.525	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	188435	24.614	ug/L	99
71) Naphthalene	13.435	128	349314	27.960	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	186264	26.663	ug/L	99

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

