

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070324\
 Data File : VW036428.D
 Acq On : 03 Jul 2024 08:40
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025315

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2024
 Supervised By :Semsettin Yesilyurt 07/08/2024

Quant Time: Jul 04 02:00:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 05:08:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	361834	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	367261	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	200247	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	123734	20.136	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	80.560%		
7) Chloroethane-d5	1.526	69	103612	21.110	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	84.440%		
11) 1,1-Dichloroethene-d2	2.050	65	57578	19.931	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	79.720%		
21) 2-Butanone-d5	3.847	46	56050m	39.300	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	78.600%		
24) Chloroform-d	4.239	84	243312	22.781	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	91.120%		
26) 1,2-Dichloroethane-d4	4.934	65	125352	22.008	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	88.040%		
32) Benzene-d6	4.950	84	447079	21.565	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	86.240%		
36) 1,2-Dichloropropane-d6	5.982	67	139937	22.440	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	89.760%		
41) Toluene-d8	7.236	98	410265	21.948	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	87.800%		
43) trans-1,3-Dichloroprop...	7.548	79	59249	21.276	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	85.120%		
47) 2-Hexanone-d5	8.030	63	38240	38.416	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	76.840%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	109110	21.345	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	85.400%		
66) 1,2-Dichlorobenzene-d4	11.557	152	153664	21.058	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	84.240%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.101	85	179527	26.114	ug/L	100
3) Chloromethane	1.211	50	159094	25.566	ug/L	100
5) Vinyl chloride	1.278	62	186011	25.885	ug/L	99
6) Bromomethane	1.484	94	125440	25.955	ug/L	100
8) Chloroethane	1.542	64	117285	26.482	ug/L	97
9) Trichlorofluoromethane	1.706	101	269201	26.231	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	174169	27.056	ug/L	99
12) 1,1-Dichloroethene	2.059	96	152913	26.830	ug/L	91
13) Acetone	2.166	43	90388m	46.910	ug/L	
14) Carbon disulfide	2.230	76	466578	25.947	ug/L	100
15) Methyl Acetate	2.384	43	55307	22.306	ug/L	99
16) Methylene chloride	2.439	84	165443	23.225	ug/L	98
17) trans-1,2-Dichloroethene	2.683	96	150781	26.645	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	332319	25.228	ug/L	99
19) 1,1-Dichloroethane	3.101	63	268803	26.716	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	149598	26.284	ug/L	99
22) 2-Butanone	3.911	43	77059m	47.430	ug/L	
23) Bromochloromethane	4.137	128	78458	26.437	ug/L	94
25) Chloroform	4.265	83	287118	26.755	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	182461	26.258	ug/L	99
29) Cyclohexane	4.574	56	206476	26.389	ug/L	100
30) 1,1,1-Trichloroethane	4.500	97	249430	27.391	ug/L	99
31) Carbon tetrachloride	4.725	117	219511	27.054	ug/L	100
33) Benzene	5.001	78	589486	27.100	ug/L	100
34) Trichloroethene	5.825	95	181136	26.388	ug/L	99
35) Methylcyclohexane	6.043	83	262131	27.402	ug/L	100
37) 1,2-Dichloropropane	6.085	63	143923	25.907	ug/L	98
38) Bromodichloromethane	6.426	83	202149	26.605	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	224864	26.322	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	145798	46.534	ug/L	98
42) Toluene	7.310	91	638937	28.092	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	202748	26.387	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	126369	25.735	ug/L	100
46) Tetrachloroethene	7.898	164	136014	27.265	ug/L	99
48) 2-Hexanone	8.075	43	110731	44.931	ug/L	98
49) Dibromochloromethane	8.172	129	144791	26.451	ug/L	97
50) 1,2-Dibromoethane	8.278	107	124597	25.757	ug/L	98
51) Chlorobenzene	8.808	112	410989	26.434	ug/L	99
52) Ethylbenzene	8.940	91	677234	27.591	ug/L	100
53) m,p-Xylene	9.069	106	264469	28.910	ug/L	100
54) o-Xylene	9.474	106	241460	28.068	ug/L	99
55) Styrene	9.490	104	446941	29.644	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	106753	24.291	ug/L	100
59) Bromoform	9.660	173	94274	24.871	ug/L	99
60) Isopropylbenzene	9.863	105	681044	28.135	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	107859	23.868	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	485688	28.037	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	535382	28.440	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	340847	27.023	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	347649	25.713	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	313862	26.065	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	23209	22.892	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	247889	26.100	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	197769	26.112	ug/L	100
71) Naphthalene	13.435	128	312363	23.131	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	190273	26.716	ug/L	98

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

