

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050724\
 Data File : VW035552.D
 Acq On : 07 May 2024 16:12
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025354

Quant Time: May 08 02:25:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:24:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	418295	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	444796	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	263559	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	127539	19.727	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.920%
7) Chloroethane-d5	1.529	69	107868	20.681	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.720%
11) 1,1-Dichloroethene-d2	2.053	65	59174	20.674	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.680%
21) 2-Butanone-d5	3.844	46	100830m	54.955	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.900%
24) Chloroform-d	4.243	84	287137	23.090	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.360%
26) 1,2-Dichloroethane-d4	4.941	65	146047	23.756	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.040%
32) Benzene-d6	4.957	84	520339	21.371	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.480%
36) 1,2-Dichloropropane-d6	5.985	67	166519	22.161	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.640%
41) Toluene-d8	7.239	98	478476	22.080	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.320%
43) trans-1,3-Dichloroprop...	7.551	79	73059	22.735	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.920%
47) 2-Hexanone-d5	8.030	63	72299	53.510	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.020%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	184473	25.478	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.920%
66) 1,2-Dichlorobenzene-d4	11.558	152	198233	21.673	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	196002	23.047	ug/L	100
3) Chloromethane	1.211	50	188600	22.089	ug/L	99
5) Vinyl chloride	1.278	62	202864	22.997	ug/L	99
6) Bromomethane	1.484	94	128835	23.067	ug/L	99
8) Chloroethane	1.545	64	131542	24.191	ug/L	98
9) Trichlorofluoromethane	1.709	101	282946	24.574	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	183982	25.326	ug/L	98
12) 1,1-Dichloroethene	2.063	96	159571	24.319	ug/L	96
13) Acetone	2.156	43	135019m	50.271	ug/L	
14) Carbon disulfide	2.233	76	441720	21.253	ug/L	100
15) Methyl Acetate	2.384	43	91903	22.585	ug/L	91
16) Methylene chloride	2.442	84	297987	30.893	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	179500	24.641	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	506553	28.828	ug/L	99
19) 1,1-Dichloroethane	3.105	63	354916	25.989	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	202143	25.598	ug/L	98
22) 2-Butanone	3.912	43	120752	48.412	ug/L	# 71
23) Bromochloromethane	4.143	128	103497	27.098	ug/L	97
25) Chloroform	4.269	83	376853	26.724	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	246681	28.091	ug/L	99
29) Cyclohexane	4.577	56	245952	23.123	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	311293	25.241	ug/L	100
31) Carbon tetrachloride	4.728	117	269645	24.919	ug/L	100
33) Benzene	5.005	78	757678	25.738	ug/L	100
34) Trichloroethene	5.828	95	206937	24.851	ug/L	97
35) Methylcyclohexane	6.047	83	299215	23.668	ug/L	99
37) 1,2-Dichloropropane	6.088	63	206367	26.869	ug/L	99
38) Bromodichloromethane	6.429	83	279165	26.831	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	323693	26.945	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	261428	56.835	ug/L	99
42) Toluene	7.310	91	825357	26.493	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	293200	27.901	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	181693	27.842	ug/L	99
46) Tetrachloroethene	7.902	164	165451	24.457	ug/L	98
48) 2-Hexanone	8.079	43	191027	55.389	ug/L	97
49) Dibromochloromethane	8.175	129	204077	27.714	ug/L	99
50) 1,2-Dibromoethane	8.281	107	180908	28.140	ug/L	99
51) Chlorobenzene	8.812	112	558539	25.838	ug/L	99
52) Ethylbenzene	8.944	91	901263	26.202	ug/L	99
53) m,p-Xylene	9.069	106	348214	26.683	ug/L	99
54) o-Xylene	9.477	106	333358	26.952	ug/L	100
55) Styrene	9.493	104	613113	28.421	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	227471	28.615	ug/L	100
59) Bromoform	9.664	173	143574	27.720	ug/L	99
60) Isopropylbenzene	9.863	105	915385	26.073	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	170393	27.590	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	752389	27.319	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	755699	26.701	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	473190	25.683	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	484272	25.389	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	447598	25.808	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	40434	28.229	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	361667	25.120	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	306601	25.502	ug/L	100
71) Naphthalene	13.435	128	558955	26.483	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	290532	26.863	ug/L	99

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

