

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062724\
 Data File : VW036309.D
 Acq On : 27 Jun 2024 15:23
 Operator : SY/MD
 Sample : VIBLK304
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK304

Quant Time: Jun 28 02:30:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 00:39:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.567	114	36	25.000	ug/L	# 0.04
28) Chlorobenzene-d5	8.808	117	1605	25.000	ug/L	# 0.03
58) 1,4-Dichlorobenzene-d4	11.197	152	2175	25.000	ug/L	0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.224	65	387	632.982	ug/L	-0.05
Spiked Amount	25.000	Range	30 - 150	Recovery	= 2531.920%#	
7) Chloroethane-d5	1.523	69	142	290.782	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 1163.120%#	
11) 1,1-Dichloroethene-d2	2.037	65	42	146.130	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	= 584.520%#	
21) 2-Butanone-d5	3.867	46	195	1374.232	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	= 2748.460%#	
24) Chloroform-d	0.000	84	0	0.000	ug/L	
Spiked Amount	25.000	Range	40 - 150	Recovery	= 0.000%#	
26) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/L	
Spiked Amount	25.000	Range	70 - 130	Recovery	= 0.000%#	
32) Benzene-d6	4.976	84	188	2.075	ug/L	0.02
Spiked Amount	25.000	Range	20 - 135	Recovery	= 8.280%#	
36) 1,2-Dichloropropane-d6	6.034	67	41	1.504	ug/L	0.05
Spiked Amount	25.000	Range	70 - 120	Recovery	= 6.000%#	
41) Toluene-d8	7.268	98	288	3.526	ug/L	0.03
Spiked Amount	25.000	Range	30 - 130	Recovery	= 14.120%#	
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 135	Recovery	= 0.000%#	
47) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	= 0.000%#	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	186	8.326	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 33.320%#	
66) 1,2-Dichlorobenzene-d4	11.574	152	1645	20.754	ug/L	0.02
Spiked Amount	25.000	Range	75 - 120	Recovery	= 83.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	72	105.264	ug/L	# 42
3) Chloromethane	1.211	50	744	1201.660	ug/L	# 71
5) Vinyl chloride	1.333	62	43	60.144	ug/L	# 41
6) Bromomethane	1.481	94	871	1811.373	ug/L	77
8) Chloroethane	1.539	64	65	147.513	ug/L	# 1
12) 1,1-Dichloroethene	2.066	96	154	271.579	ug/L	# 12
13) Acetone	2.143	43	364	1898.732	ug/L	# 5
14) Carbon disulfide	2.233	76	374	209.046	ug/L	# 29
15) Methyl Acetate	2.384	43	134	543.187	ug/L	# 45
16) Methylene chloride	2.442	84	26952	38028.331	ug/L	96
22) 2-Butanone	3.905	43	123	760.922	ug/L	# 49
25) Chloroform	4.272	83	152	142.362	ug/L	# 18
40) 4-Methyl-2-pentanone	7.034	43	64	4.674	ug/L	# 1
45) 1,1,2-Trichloroethane	7.866	97	93	4.334	ug/L	# 15
48) 2-Hexanone	8.181	43	41	3.807	ug/L	# 1
52) Ethylbenzene	9.124	91	43	0.401	ug/L	# 44
60) Isopropylbenzene	9.870	105	373	1.419	ug/L	# 30
61) 1,2,3-Trichloropropane	10.323	75	121	2.465	ug/L	# 1
62) 1,3,5-Trimethylbenzene	10.857	105	1134	6.027	ug/L	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.857	105	1134	5.546	ug/L	95
65) 1,4-Dichlorobenzene	11.220	146	213	1.450	ug/L #	50
67) 1,2-Dichlorobenzene	11.220	146	213	1.629	ug/L #	53
69) 1,3,5-Trichlorobenzene	12.593	180	203	1.968	ug/L #	72
70) 1,2,4-trichlorobenzene	13.204	180	153	1.860	ug/L #	1
71) Naphthalene	13.448	128	5121	34.914	ug/L	98
72) 1,2,3-Trichlorobenzene	13.689	180	478	6.179	ug/L #	86

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

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