

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062524\
 Data File : VW036281.D
 Acq On : 25 Jun 2024 19:28
 Operator : SY/MD
 Sample : VIBLK301
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK301

Quant Time: Jun 26 04:25:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 26 04:03:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.583	114	328	25.000	ug/L	# 0.05
28) Chlorobenzene-d5	8.805	117	2133	25.000	ug/L	# 0.03
58) 1,4-Dichlorobenzene-d4	11.197	152	3026	25.000	ug/L	0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.269	65	451	74.789	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	299.160%#
7) Chloroethane-d5	1.529	69	43	8.943	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	35.760%
11) 1,1-Dichloroethene-d2	2.056	65	382	142.297	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	569.200%#
21) 2-Butanone-d5	3.850	46	82	59.267	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.540%
24) Chloroform-d	4.272	84	40	3.836	ug/L	0.03
Spiked Amount	25.000	Range	40 - 150	Recovery	=	15.360%#
26) 1,2-Dichloroethane-d4	4.995	65	67	12.255	ug/L	0.06
Spiked Amount	25.000	Range	70 - 130	Recovery	=	49.000%#
32) Benzene-d6	4.989	84	501	3.951	ug/L	0.04
Spiked Amount	25.000	Range	20 - 135	Recovery	=	15.800%#
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	25.000	Range	70 - 120	Recovery	=	0.000%#
41) Toluene-d8	7.275	98	615	5.497	ug/L	0.04
Spiked Amount	25.000	Range	30 - 130	Recovery	=	22.000%#
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...	10.159	84	591	19.808	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.240%
66) 1,2-Dichlorobenzene-d4	11.570	152	2260	20.366	ug/L	0.01
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	116	19.614	ug/L	90
3) Chloromethane	1.207	50	339	49.947	ug/L	95
5) Vinyl chloride	1.439	62	41	5.738	ug/L	# 42
6) Bromomethane	1.481	94	386	87.080	ug/L	93
8) Chloroethane	1.532	64	69	15.536	ug/L	# 1
9) Trichlorofluoromethane	1.706	101	271	30.540	ug/L	100
12) 1,1-Dichloroethene	2.063	96	132	25.131	ug/L	# 49
13) Acetone	2.156	43	475	220.398	ug/L	# 1
14) Carbon disulfide	2.240	76	440	24.123	ug/L	# 3
15) Methyl Acetate	2.365	43	54	20.158	ug/L	# 48
16) Methylene chloride	2.442	84	19762	2662.634	ug/L	89
22) 2-Butanone	3.854	43	632	345.595	ug/L	85
25) Chloroform	4.284	83	78	7.136	ug/L	# 18
29) Cyclohexane	4.818	56	64	1.260	ug/L	# 14
31) Carbon tetrachloride	5.008	117	238	4.652	ug/L	# 2
35) Methylcyclohexane	6.040	83	77	1.302	ug/L	# 40
40) 4-Methyl-2-pentanone	7.185	43	96	4.824	ug/L	# 1
42) Toluene	7.365	91	110	0.772	ug/L	# 22
44) trans-1,3-Dichloropropene	7.860	75	71	1.500	ug/L	# 11

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

45) 1,1,2-Trichloroethane	7.715	97	154	5.081	ug/L	#	15
48) 2-Hexanone	8.034	43	237	15.232	ug/L	#	37
52) Ethylbenzene	8.963	91	748	4.904	ug/L	#	44
57) 1,1,2,2-Tetrachloroethane	10.178	83	1096	40.384	ug/L	#	25
60) Isopropylbenzene	9.866	105	872	2.246	ug/L	#	59
61) 1,2,3-Trichloropropane	10.313	75	165	2.306	ug/L	#	1
62) 1,3,5-Trimethylbenzene	10.857	105	14932	53.043	ug/L		92
63) 1,2,4-Trimethylbenzene	10.857	105	14932	49.231	ug/L		96
64) 1,3-Dichlorobenzene	11.210	146	86	0.422	ug/L	#	1
65) 1,4-Dichlorobenzene	11.210	146	86	0.409	ug/L	#	1
67) 1,2-Dichlorobenzene	11.590	146	91	0.474	ug/L	#	1
70) 1,2,4-trichlorobenzene	13.197	180	119	0.991	ug/L	#	9
71) Naphthalene	13.438	128	108827	555.352	ug/L		99
72) 1,2,3-Trichlorobenzene	13.686	180	345	3.149	ug/L	#	81

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

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