

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070124\
 Data File : VW036378.D
 Acq On : 01 Jul 2024 16:11
 Operator : SY/MD
 Sample : P3087-25DL 2X
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4DH1DL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/05/2024
 Supervised By :Semsettin Yesilyurt 07/05/2024

Quant Time: Jul 02 02:39:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 02 02:29:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	312227	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	329888	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	166627	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	129822	24.483	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 97.920%			
7) Chloroethane-d5	1.526	69	110666	26.129	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.520%			
11) 1,1-Dichloroethene-d2	2.050	65	63038	25.289	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 101.160%			
21) 2-Butanone-d5	3.844	46	68459m	55.627	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 111.260%			
24) Chloroform-d	4.243	84	247036	26.804	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 107.200%			
26) 1,2-Dichloroethane-d4	4.937	65	140014	28.488	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 113.960%			
32) Benzene-d6	4.953	84	456435	24.510	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 98.040%			
36) 1,2-Dichloropropane-d6	5.986	67	152606	27.244	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 108.960%			
41) Toluene-d8	7.239	98	441353	26.286	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 105.160%			
43) trans-1,3-Dichloroprop...	7.551	79	62478	24.978	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 99.920%			
47) 2-Hexanone-d5	8.030	63	45813	51.238	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.480%			
56) 1,1,2,2-Tetrachloroeth...	10.149	84	120306	26.202	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 104.800%			
66) 1,2-Dichlorobenzene-d4	11.558	152	156570	25.785	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.160%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.060	96	265595	54.004	ug/L #	78
13) Acetone	2.156	43	131626	79.166	ug/L #	83
16) Methylene chloride	2.439	84	145064	23.600	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	62343	12.767	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	109610	9.643	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	72476	14.757	ug/L	99
22) 2-Butanone	3.912	43	77239m	55.094	ug/L	
27) 1,2-Dichloroethane	5.037	62	118793	19.812	ug/L	98
31) Carbon tetrachloride	4.728	117	267545	36.710	ug/L	100
33) Benzene	5.002	78	519531	26.589	ug/L	100
34) Trichloroethene	5.828	95	252824	41.004	ug/L	98
37) 1,2-Dichloropropane	6.088	63	124953	25.040	ug/L	98
38) Bromodichloromethane	6.429	83	202031	29.601	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	206579	26.922	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	291906	103.722	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	122510	17.751	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	101989	23.123	ug/L	99
46) Tetrachloroethene	7.902	164	113573	25.345	ug/L	99
48) 2-Hexanone	8.079	43	113571	51.305	ug/L	98

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

49) Dibromochloromethane	8.175	129	78565	15.979	ug/L	98
50) 1,2-Dibromoethane	8.281	107	40178	9.247	ug/L	96
52) Ethylbenzene	8.944	91	928971	42.135	ug/L	100
53) m,p-Xylene	9.072	106	309706	37.690	ug/L	99
54) o-Xylene	9.477	106	30022	3.885	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	40920	10.366	ug/L	96
59) Bromoform	9.664	173	81996	25.996	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	134726	35.829	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	353327	33.664	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	147938	13.149	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	427025	42.618	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	11699	13.867	ug/L	90

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

