

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062124\
 Data File : VW036201.D
 Acq On : 21 Jun 2024 12:59
 Operator : SY/MD
 Sample : P2909-24
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4DJ5

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024
 Supervised By :Semsettin Yesilyurt 06/26/2024

Quant Time: Jun 22 00:11:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 20 05:02:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	322763	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	325727	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	181396	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	112870	19.021	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.080%
7) Chloroethane-d5	1.526	69	99551	21.040	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.160%
11) 1,1-Dichloroethene-d2	2.047	65	56779	21.494	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.960%
21) 2-Butanone-d5	3.822	46	88112m	64.718	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.440%
24) Chloroform-d	4.243	84	265722	25.895	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	4.937	65	134147	24.934	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.720%
32) Benzene-d6	4.953	84	452692	23.381	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.520%
36) 1,2-Dichloropropane-d6	5.985	67	150249	24.642	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.560%
41) Toluene-d8	7.239	98	424963	24.875	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.520%
43) trans-1,3-Dichloroprop...	7.551	79	67063	26.825	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.280%
47) 2-Hexanone-d5	8.030	63	60730	73.514	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	147.020%#
56) 1,1,2,2-Tetrachloroeth...	10.149	84	130835	28.715	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.880%
66) 1,2-Dichlorobenzene-d4	11.558	152	159850	24.030	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.120%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.060	96	339955	65.774	ug/L #	78
13) Acetone	2.143	43	54205m	25.559	ug/L	
16) Methylene chloride	2.439	84	323104	44.240	ug/L	98
17) trans-1,2-Dichloroethene	2.683	96	265080	48.281	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	386782	31.380	ug/L	99
19) 1,1-Dichloroethane	3.101	63	472000	45.143	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	575180	104.258	ug/L	98
22) 2-Butanone	3.889	43	467447	259.761	ug/L #	70
25) Chloroform	4.269	83	832950	77.444	ug/L	99
27) 1,2-Dichloroethane	5.037	62	204936	30.520	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	3553	0.399	ug/L #	81
31) Carbon tetrachloride	4.725	117	370291	47.400	ug/L	99
33) Benzene	5.002	78	928189	43.570	ug/L	100
34) Trichloroethene	5.828	95	273522	41.892	ug/L	100
37) 1,2-Dichloropropane	6.092	63	87931	15.719	ug/L	99
38) Bromodichloromethane	6.426	83	642946	86.838	ug/L	100
39) cis-1,3-Dichloropropene	6.947	75	819238	97.918	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	413275	135.983	ug/L	95
42) Toluene	7.310	91	860102	39.511	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.577	75	413818	57.262	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	144624	31.247	ug/L	99
46) Tetrachloroethene	7.902	164	271455	56.846	ug/L	98
48) 2-Hexanone	8.075	43	350243	147.411	ug/L	94
49) Dibromochloromethane	8.172	129	517667	102.193	ug/L	99
50) 1,2-Dibromoethane	8.278	107	386627	87.056	ug/L	100
51) Chlorobenzene	8.812	112	277508	18.710	ug/L	99
52) Ethylbenzene	8.944	91	1187377	50.982	ug/L	99
53) m,p-Xylene	9.069	106	912593	104.282	ug/L	99
54) o-Xylene	9.474	106	383168	46.430	ug/L	98
55) Styrene	9.493	104	1086666	74.669	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	161180	38.891	ug/L	98
59) Bromoform	9.664	173	98685	28.848	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	283070	65.981	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	1179682	96.525	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	761463	60.363	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	356681	31.014	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	47268	49.271	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	201419	27.982	ug/L	100

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

