

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060624\
 Data File : VW035998.D
 Acq On : 06 Jun 2024 19:41
 Operator : SY/MD
 Sample : P2754-06MS
 Misc : 5.45g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4BP6MS

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/10/2024
 Supervised By :Semsettin Yesilyurt 06/10/2024

Quant Time: Jun 08 02:18:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 00:30:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	424338	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	351245	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	115837	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	93586	11.996	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	48.000%		
7) Chloroethane-d5	1.529	69	97179	15.622	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	62.480%		
11) 1,1-Dichloroethene-d2	2.053	65	41625	11.985	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	47.960%		
21) 2-Butanone-d5	3.854	46	52277	29.206	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	58.420%		
24) Chloroform-d	4.246	84	264992	19.643	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	78.560%		
26) 1,2-Dichloroethane-d4	4.941	65	155993	22.054	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	88.200%		
32) Benzene-d6	4.957	84	430727	20.630	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	82.520%		
36) 1,2-Dichloropropane-d6	5.989	67	164261	24.983	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	99.920%		
41) Toluene-d8	7.243	98	313682	17.027	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	68.120%		
43) trans-1,3-Dichloroprop...	7.555	79	47008	17.437	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	69.760%		
47) 2-Hexanone-d5	8.037	63	34835	39.105	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	78.200%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	125278	25.498	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	102.000%		
66) 1,2-Dichlorobenzene-d4	11.558	152	74433	17.522	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	70.080%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	94100	12.299	ug/L	99
3) Chloromethane	1.214	50	96757	11.019	ug/L	98
5) Vinyl chloride	1.278	62	112532	12.173	ug/L	99
6) Bromomethane	1.484	94	60299	10.515	ug/L	97
8) Chloroethane	1.545	64	80875	14.075	ug/L	97
9) Trichlorofluoromethane	1.709	101	168621	14.688	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	114020	15.650	ug/L	100
12) 1,1-Dichloroethene	2.063	96	93854	13.812	ug/L	97
13) Acetone	2.153	43	62996m	22.594	ug/L	
14) Carbon disulfide	2.233	76	150216	6.366	ug/L	100
15) Methyl Acetate	2.391	43	48336	13.947	ug/L	99
16) Methylene chloride	2.442	84	170488	17.756	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	102133	14.149	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	375910	23.198	ug/L	100
19) 1,1-Dichloroethane	3.108	63	259274	18.861	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	132687	18.294	ug/L	99
22) 2-Butanone	3.918	43	83294	35.207	ug/L #	78
23) Bromochloromethane	4.146	128	68498	18.828	ug/L	98
25) Chloroform	4.272	83	280341	19.826	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	171632	19.442	ug/L	98
29) Cyclohexane	4.577	56	118139	14.126	ug/L	100
30) 1,1,1-Trichloroethane	4.510	97	204825	21.330	ug/L	99
31) Carbon tetrachloride	4.732	117	164897	19.574	ug/L	100
33) Benzene	5.008	78	487195	21.208	ug/L	100
34) Trichloroethene	5.831	95	144371	20.505	ug/L	97
35) Methylcyclohexane	6.047	83	132751	13.634	ug/L	99
37) 1,2-Dichloropropane	6.092	63	153228	25.402	ug/L	100
38) Bromodichloromethane	6.432	83	201949	25.294	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	171359	18.993	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	177635	54.202	ug/L	100
42) Toluene	7.313	91	503984	21.470	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	160847	20.640	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	132571	26.562	ug/L	99
46) Tetrachloroethene	7.902	164	90216	17.520	ug/L	98
48) 2-Hexanone	8.082	43	112741	44.003	ug/L	99
49) Dibromochloromethane	8.175	129	143027	26.184	ug/L	100
50) 1,2-Dibromoethane	8.281	107	111761	23.337	ug/L	98
51) Chlorobenzene	8.812	112	346403	21.658	ug/L	99
52) Ethylbenzene	8.944	91	532599	21.207	ug/L	100
53) m,p-Xylene	9.072	106	202940	21.505	ug/L	99
54) o-Xylene	9.477	106	199510	22.419	ug/L	97
55) Styrene	9.493	104	338239	21.553	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	125077	27.987	ug/L	99
59) Bromoform	9.664	173	89275	40.867	ug/L	99
60) Isopropylbenzene	9.866	105	526933	35.457	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	118792	43.361	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	403604	37.453	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	413721	35.633	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	273695	35.069	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	277298	34.423	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	263890	35.932	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	26055	42.530	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	163941	28.082	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	129835	28.246	ug/L	99
71) Naphthalene	13.439	128	248148	33.080	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	116871	27.862	ug/L	99

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

