

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050624\
 Data File : VW035538.D
 Acq On : 06 May 2024 16:15
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV261

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/08/2024
 Supervised By :Semsettin Yesilyurt 05/08/2024

Quant Time: May 08 01:56:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 01:49:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	475343	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	486881	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	280898	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	148076	20.155	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	80.600%		
7) Chloroethane-d5	1.526	69	122335	20.640	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	82.560%		
11) 1,1-Dichloroethene-d2	2.053	65	66243	20.366	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	81.480%		
21) 2-Butanone-d5	3.841	46	103227m	49.509	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	99.020%		
24) Chloroform-d	4.243	84	311347	22.032	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	88.120%		
26) 1,2-Dichloroethane-d4	4.937	65	152622	21.846	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	87.400%		
32) Benzene-d6	4.953	84	572062	21.464	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	85.840%		
36) 1,2-Dichloropropane-d6	5.985	67	177136	21.537	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	86.160%		
41) Toluene-d8	7.239	98	520230	21.932	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	87.720%		
43) trans-1,3-Dichloroprop...	7.551	79	78193	22.229	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	88.920%		
47) 2-Hexanone-d5	8.030	63	73349	49.595	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	99.180%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	190418	24.026	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	96.120%		
66) 1,2-Dichlorobenzene-d4	11.558	152	210541	21.597	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	86.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.101	85	229698	23.768	ug/L	98
3) Chloromethane	1.211	50	214416	22.098	ug/L	99
5) Vinyl chloride	1.278	62	239395	23.882	ug/L	100
6) Bromomethane	1.484	94	148669	23.423	ug/L	98
8) Chloroethane	1.545	64	152152	24.623	ug/L	99
9) Trichlorofluoromethane	1.709	101	332234	25.392	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	213814	25.900	ug/L	100
12) 1,1-Dichloroethene	2.063	96	185922	24.934	ug/L	98
13) Acetone	2.162	43	130680m	42.816	ug/L	
14) Carbon disulfide	2.233	76	522305	22.115	ug/L	99
15) Methyl Acetate	2.384	43	123085m	26.618	ug/L	
16) Methylene chloride	2.439	84	232634	21.223	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	206401	24.934	ug/L	97
18) Methyl tert-butyl Ether	2.699	73	540608	27.074	ug/L	99
19) 1,1-Dichloroethane	3.104	63	399468	25.741	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	229374	25.560	ug/L	99
22) 2-Butanone	3.912	43	142089m	50.130	ug/L	
23) Bromochloromethane	4.143	128	113127	26.064	ug/L	96
25) Chloroform	4.268	83	416972	26.020	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	262986	26.354	ug/L	100
29) Cyclohexane	4.574	56	303309	26.051	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	358155	26.530	ug/L	99
31) Carbon tetrachloride	4.728	117	314814	26.578	ug/L	98
33) Benzene	5.002	78	848459	26.330	ug/L	100
34) Trichloroethene	5.828	95	237248	26.029	ug/L	98
35) Methylcyclohexane	6.043	83	358922	25.937	ug/L	100
37) 1,2-Dichloropropane	6.088	63	224875	26.748	ug/L	100
38) Bromodichloromethane	6.429	83	303066	26.611	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	354498	26.959	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	280704	55.750	ug/L	99
42) Toluene	7.310	91	920622	26.997	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	316549	27.519	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	194731	27.260	ug/L	100
46) Tetrachloroethene	7.902	164	189067	25.532	ug/L	98
48) 2-Hexanone	8.079	43	201298	53.322	ug/L	98
49) Dibromochloromethane	8.172	129	217672	27.005	ug/L	99
50) 1,2-Dibromoethane	8.278	107	188022	26.718	ug/L	98
51) Chlorobenzene	8.812	112	617878	26.112	ug/L	99
52) Ethylbenzene	8.943	91	1026116	27.253	ug/L	100
53) m,p-Xylene	9.069	106	390124	27.311	ug/L	99
54) o-Xylene	9.474	106	371371	27.430	ug/L	99
55) Styrene	9.493	104	673699	28.530	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	240885	27.683	ug/L	100
59) Bromoform	9.664	173	151437	27.433	ug/L	100
60) Isopropylbenzene	9.863	105	1040882	27.818	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	179494	27.269	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	849206	28.931	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	852016	28.246	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	516997	26.328	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	529710	26.057	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	480185	25.978	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	41622	27.265	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	397945	25.933	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	331165	25.845	ug/L	100
71) Naphthalene	13.435	128	585126	26.012	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	300003	26.026	ug/L	100

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

