

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050624\
 Data File : VW035542.D
 Acq On : 06 May 2024 18:09
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Quant Time: May 08 02:14:36 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	429824	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	454524	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	236750	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	130668	19.669	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	78.680%		
7) Chloroethane-d5	1.529	69	110213	20.564	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	82.240%		
11) 1,1-Dichloroethene-d2	2.053	65	59913	20.371	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	81.480%		
21) 2-Butanone-d5	3.838	46	93814m	49.759	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	99.520%		
24) Chloroform-d	4.246	84	272995	21.364	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	85.440%		
26) 1,2-Dichloroethane-d4	4.941	65	147583	23.362	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	93.440%		
32) Benzene-d6	4.957	84	530243	21.312	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	85.240%		
36) 1,2-Dichloropropane-d6	5.985	67	171284	22.308	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	89.240%		
41) Toluene-d8	7.243	98	446341	20.157	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	80.640%		
43) trans-1,3-Dichloroprop...	7.555	79	69361	21.122	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	84.480%		
47) 2-Hexanone-d5	8.034	63	63352	45.885	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	91.760%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	176158	23.809	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	95.240%		
66) 1,2-Dichlorobenzene-d4	11.558	152	186460	22.694	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	90.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	10410	1.191	ug/L	98
3) Chloromethane	1.211	50	12664	1.443	ug/L	96
5) Vinyl chloride	1.278	62	10625	1.172	ug/L #	80
6) Bromomethane	1.484	94	7404	1.290	ug/L	99
8) Chloroethane	1.545	64	6284	1.125	ug/L	99
9) Trichlorofluoromethane	1.709	101	13002	1.099	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	9634	1.291	ug/L	87
12) 1,1-Dichloroethene	2.063	96	9256	1.373	ug/L #	1
13) Acetone	2.156	43	8017m	2.905	ug/L	
14) Carbon disulfide	2.236	76	27090	1.268	ug/L	100
15) Methyl Acetate	2.394	43	4774m	1.142	ug/L	
16) Methylene chloride	2.445	84	27376	2.762	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	8228	1.099	ug/L	94
18) Methyl tert-butyl Ether	2.706	73	17403	0.964	ug/L	98
19) 1,1-Dichloroethane	3.111	63	13968	0.995	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	8145	1.004	ug/L	96
22) 2-Butanone	3.941	43	6749m	2.633	ug/L	
23) Bromochloromethane	4.159	128	4176m	1.064	ug/L	
25) Chloroform	4.275	83	17330	1.196	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.063	62	9946m	1.102	ug/L	
29) Cyclohexane	4.577	56	10261	0.944	ug/L	98
30) 1,1,1-Trichloroethane	4.516	97	12912	1.025	ug/L	98
31) Carbon tetrachloride	4.735	117	11590	1.048	ug/L	95
33) Benzene	5.014	78	32117m	1.068	ug/L	
34) Trichloroethene	5.844	95	8960	1.053	ug/L	95
35) Methylcyclohexane	6.047	83	14286m	1.106	ug/L	
37) 1,2-Dichloropropane	6.101	63	8980	1.144	ug/L	100
38) Bromodichloromethane	6.442	83	10418	0.980	ug/L	99
39) cis-1,3-Dichloropropene	6.966	75	12821m	1.044	ug/L	
40) 4-Methyl-2-pentanone	7.178	43	12209m	2.597	ug/L	
42) Toluene	7.323	91	30902	0.971	ug/L	99
44) trans-1,3-Dichloropropene	7.593	75	11444m	1.066	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	6686	1.003	ug/L	87
46) Tetrachloroethene	7.908	164	7178	1.038	ug/L	94
48) 2-Hexanone	8.108	43	9109m	2.585	ug/L	
49) Dibromochloromethane	8.182	129	7657	1.018	ug/L	99
50) 1,2-Dibromoethane	8.294	107	6451	0.982	ug/L #	87
51) Chlorobenzene	8.818	112	22714	1.028	ug/L	97
52) Ethylbenzene	8.953	91	31586	0.899	ug/L	98
53) m,p-Xylene	9.079	106	10483	0.786	ug/L	97
54) o-Xylene	9.481	106	10291	0.814	ug/L	92
55) Styrene	9.506	104	16731	0.759	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.175	83	9054	1.115	ug/L #	95
59) Bromoform	9.670	173	4788	1.029	ug/L #	88
60) Isopropylbenzene	9.870	105	25776	0.817	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	6404	1.154	ug/L	96
62) 1,3,5-Trimethylbenzene	10.477	105	19061	0.770	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	19250	0.757	ug/L	95
64) 1,3-Dichlorobenzene	11.120	146	16351	0.988	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	18546	1.082	ug/L	96
67) 1,2-Dichlorobenzene	11.580	146	16940	1.087	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.368	75	1545	1.201	ug/L #	85
69) 1,3,5-Trichlorobenzene	12.583	180	12249	0.947	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	10890	1.008	ug/L	95
71) Naphthalene	13.445	128	17652m	0.931	ug/L	
72) 1,2,3-Trichlorobenzene	13.680	180	9164	0.943	ug/L	97

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

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