

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037005.D
 Acq On : 22 Aug 2024 13:13
 Operator : SY/MD
 Sample : P3391-03
 Misc : 5.00mL/10mL/MSVOA_V/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT3-2024-05

Quant Time: Aug 23 05:26:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 05:07:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
 Supervised By :Semsettin Yesilyurt 08/23/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	663335	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	596630	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	269872	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	172408	18.549	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	74.200%		
7) Chloroethane-d5	1.532	69	160854	20.232	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	80.920%		
11) 1,1-Dichloroethene-d2	2.056	65	88320	19.725	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	78.880%		
21) 2-Butanone-d5	3.838	46	65347m	37.910	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	75.820%		
24) Chloroform-d	4.239	84	382621	20.469	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	81.880%		
26) 1,2-Dichloroethane-d4	4.937	65	176441	20.519	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	82.080%		
32) Benzene-d6	4.950	84	792898	22.177	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	88.720%		
36) 1,2-Dichloropropane-d6	5.982	67	240010	22.174	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	88.680%		
41) Toluene-d8	7.236	98	718352	22.044	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	88.160%		
43) trans-1,3-Dichloroprop...	7.551	79	74366	19.692	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	78.760%		
47) 2-Hexanone-d5	8.037	63	32927	34.391	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	68.780%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	119054	19.867	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	79.480%		
66) 1,2-Dichlorobenzene-d4	11.554	152	212513	21.999	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	88.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	14306	1.381	ug/L	98
3) Chloromethane	1.217	50	14134	1.178	ug/L	95
5) Vinyl chloride	1.281	62	14426m	1.214	ug/L	
6) Bromomethane	1.487	94	9121	1.207	ug/L	99
8) Chloroethane	1.548	64	9350	1.246	ug/L	99
9) Trichlorofluoromethane	1.712	101	18877	1.203	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	13956	1.444	ug/L	86
12) 1,1-Dichloroethene	2.066	96	12874	1.430	ug/L #	1
13) Acetone	2.143	43	8185m	4.046	ug/L	
14) Carbon disulfide	2.236	76	34048	1.142	ug/L	96
15) Methyl Acetate	2.381	43	3069m	0.931	ug/L	
16) Methylene chloride	2.442	84	56865	4.310	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	11944	1.212	ug/L	91
18) Methyl tert-butyl Ether	2.706	73	20993	1.028	ug/L	99
19) 1,1-Dichloroethane	3.104	63	20130	1.049	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	10693	1.012	ug/L	96
22) 2-Butanone	3.924	43	3958m	1.901	ug/L	
23) Bromochloromethane	4.140	128	4421m	1.054	ug/L	
25) Chloroform	4.265	83	29573	1.577	ug/L	100

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27) 1,2-Dichloroethane	5.046	62	10821m	1.055	ug/L	
29) Cyclohexane	4.567	56	18081	1.168	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	16712	1.111	ug/L	98
31) Carbon tetrachloride	4.722	117	14479	1.140	ug/L	98
33) Benzene	5.008	78	39074	1.005	ug/L	100
34) Trichloroethene	5.834	95	11760	1.071	ug/L	96
35) Methylcyclohexane	6.040	83	19036	1.121	ug/L	97
37) 1,2-Dichloropropane	6.098	63	10046m	1.069	ug/L	
38) Bromodichloromethane	6.435	83	11346	0.972	ug/L	93
39) cis-1,3-Dichloropropene	6.963	75	13932m	1.015	ug/L	
42) Toluene	7.320	91	44923	1.102	ug/L	100
44) trans-1,3-Dichloropropene	7.596	75	11083m	1.062	ug/L	
45) 1,1,2-Trichloroethane	7.779	97	5845	0.948	ug/L	94
46) Tetrachloroethene	7.905	164	9551	1.230	ug/L	92
48) 2-Hexanone	8.101	43	10600m	3.567	ug/L	
49) Dibromochloromethane	8.175	129	6361	0.938	ug/L	87
50) 1,2-Dibromoethane	8.287	107	5363	0.964	ug/L #	92
51) Chlorobenzene	8.812	112	28020	1.077	ug/L	97
52) Ethylbenzene	8.947	91	47323	1.030	ug/L	100
53) m,p-Xylene	9.075	106	17946	1.051	ug/L	93
54) o-Xylene	9.477	106	16476	1.010	ug/L	96
55) Styrene	9.503	104	26243m	0.975	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.175	83	6258	1.096	ug/L	96
59) Bromoform	9.667	173	2827	0.925	ug/L	94
60) Isopropylbenzene	9.866	105	45377	1.066	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	4965m	1.141	ug/L	
62) 1,3,5-Trimethylbenzene	10.474	105	37718	1.083	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	33560	0.988	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	20585	1.132	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	21507	1.184	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	18488	1.173	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.368	75	919m	1.081	ug/L	
69) 1,3,5-Trichlorobenzene	12.580	180	14552	1.148	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	11466	1.131	ug/L	97
71) Naphthalene	13.442	128	20151	1.319	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	9999	1.191	ug/L	97

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

