

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120224\
 Data File : VV038394.D
 Acq On : 02 Dec 2024 17:24
 Operator : SY/MD
 Sample : P4776-05
 Misc : 5.00g/5mL/100ul/5ML/MSVOA_V/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-07

Quant Time: Dec 02 21:41:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 02 21:19:32 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/03/2024
 Supervised By :Semsettin Yesilyurt 12/04/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	552737	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	555763	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	262254	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	204332	44.242	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.480%		
7) Chloroethane-d5	1.529	69	165459	42.519	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.040%		
11) 1,1-Dichloroethene-d2	2.056	65	87362	44.617	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.240%		
21) 2-Butanone-d5	3.783	46	213510	97.143	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.140%		
24) Chloroform-d	4.239	84	376754	44.835	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.680%		
26) 1,2-Dichloroethane-d4	4.931	65	235024	47.376	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.760%		
32) Benzene-d6	4.950	84	743866	46.455	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.920%		
36) 1,2-Dichloropropane-d6	5.979	67	238282	47.857	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.720%		
41) Toluene-d8	7.236	98	651124	44.960	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.920%		
43) trans-1,3-Dichloroprop...	7.548	79	107329	44.570	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.140%		
47) 2-Hexanone-d5	8.017	63	137123	90.181	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.180%		
56) 1,1,2,2-Tetrachloroeth...	10.143	84	316266	45.418	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.840%		
66) 1,2-Dichlorobenzene-d4	11.551	152	256207	50.529	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	12087	2.381	ug/L	98
3) Chloromethane	1.214	50	12119	2.301	ug/L	90
5) Vinyl chloride	1.281	62	12794	2.382	ug/L #	65
6) Bromomethane	1.484	94	7782	2.338	ug/L	97
8) Chloroethane	1.545	64	8438	2.483	ug/L	95
9) Trichlorofluoromethane	1.712	101	15832	2.235	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	11760	2.883	ug/L	89
12) 1,1-Dichloroethene	2.066	96	11199	2.883	ug/L #	1
13) Acetone	2.114	43	13988	4.614	ug/L	99
14) Carbon disulfide	2.236	76	31625	2.474	ug/L	97
15) Methyl Acetate	2.384	43	9780m	2.493	ug/L	
17) trans-1,2-Dichloroethene	2.696	96	9832	2.321	ug/L	94
18) Methyl tert-butyl Ether	2.699	73	26401	2.158	ug/L #	87
19) 1,1-Dichloroethane	3.111	63	17788	2.290	ug/L	95
20) cis-1,2-Dichloroethene	3.818	96	10359	2.325	ug/L	92
22) 2-Butanone	3.912	43	15801m	5.485	ug/L	
23) Bromochloromethane	4.153	128	5233	2.161	ug/L	89
27) 1,2-Dichloroethane	5.053	62	15135m	2.559	ug/L	
29) Cyclohexane	4.571	56	11688	1.957	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.506	97	14947	2.128	ug/L	99
31) Carbon tetrachloride	4.728	117	13925m	2.256	ug/L	
33) Benzene	5.008	78	40799	2.432	ug/L	100
34) Trichloroethene	5.837	95	11281m	2.517	ug/L	
35) Methylcyclohexane	6.040	83	16188m	2.515	ug/L	
37) 1,2-Dichloropropane	6.095	63	11493m	2.635	ug/L	
38) Bromodichloromethane	6.439	83	13595	2.246	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	15971m	2.360	ug/L	
40) 4-Methyl-2-pentanone	7.165	43	20715m	4.243	ug/L	
42) Toluene	7.320	91	39518	2.268	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	16689m	2.552	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	9954	2.199	ug/L	98
46) Tetrachloroethene	7.905	164	8164	2.360	ug/L	93
48) 2-Hexanone	8.082	43	34002m	8.348	ug/L	
49) Dibromochloromethane	8.172	129	9847	2.110	ug/L	90
50) 1,2-Dibromoethane	8.284	107	10538	2.209	ug/L #	99
51) Chlorobenzene	8.812	112	27465	2.294	ug/L	93
52) Ethylbenzene	8.947	91	38374	2.053	ug/L	98
53) m,p-Xylene	9.075	106	12418	1.753	ug/L	97
54) o-Xylene	9.477	106	12081	1.772	ug/L	99
55) Styrene	9.503	104	22254m	1.860	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.169	83	16944	2.410	ug/L #	95
59) Bromoform	9.660	173	6280m	2.228	ug/L	
60) Isopropylbenzene	9.863	105	31345	1.955	ug/L	97
61) 1,2,3-Trichloropropane	10.204	75	11798	2.584	ug/L	97
62) 1,3,5-Trimethylbenzene	10.471	105	24590	1.911	ug/L	94
63) 1,2,4-Trimethylbenzene	10.850	105	21702	1.716	ug/L	95
64) 1,3-Dichlorobenzene	11.117	146	19040	2.313	ug/L	96
65) 1,4-Dichlorobenzene	11.204	146	21345	2.439	ug/L	97
67) 1,2-Dichlorobenzene	11.570	146	22017	2.623	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.361	75	3117	2.590	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.580	180	13930m	2.481	ug/L	
70) 1,2,4-trichlorobenzene	13.201	180	10173	2.151	ug/L	98
71) Naphthalene	13.445	128	25977	2.026	ug/L	98
72) 1,2,3-Trichlorobenzene	13.676	180	9612	2.071	ug/L	96

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

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