

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073124\
 Data File : VU060278.D
 Acq On : 31 Jul 2024 12:49
 Operator : MD/SY
 Sample : P3391-05
 Misc : 5.00g/5.0mL//100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2024-05

Quant Time: Aug 01 01:10:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 00:19:02 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh

Dadoda

08/01/2024

Supervised By :Semsettin

Yesilyurt

08/01/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	221785	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	228278	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	91671	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	88906	62.433	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 124.860%			
7) Chloroethane-d5	1.901	69	66261	55.320	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.640%			
11) 1,1-Dichloroethene-d2	2.557	63	100419	39.694	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 79.380%			
21) 2-Butanone-d5	4.611	46	114071	115.266	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 115.270%			
24) Chloroform-d	5.052	84	135858	49.266	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.540%			
26) 1,2-Dichloroethane-d4	5.692	65	82445	50.282	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.560%			
32) Benzene-d6	5.717	84	274311	46.927	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.860%			
36) 1,2-Dichloropropane-d6	6.682	67	94200	52.068	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 104.140%			
41) Toluene-d8	7.891	98	230525	41.469	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 82.940%			
43) trans-1,3-Dichloroprop...	8.174	79	39125	46.215	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.440%			
47) 2-Hexanone-d5	8.627	63	66037	86.610	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 86.610%			
56) 1,1,2,2-Tetrachloroeth...	10.749	84	136804	49.266	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.540%			
66) 1,2-Dichlorobenzene-d4	12.190	152	80805	47.969	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	3108	2.256	ug/L	95
3) Chloromethane	1.518	50	4230	3.130	ug/L	92
5) Vinyl chloride	1.602	62	4554	2.870	ug/L #	73
6) Bromomethane	1.843	94	2621m	3.145	ug/L	
8) Chloroethane	1.923	64	2738	2.651	ug/L	96
9) Trichlorofluoromethane	2.129	101	5308	2.403	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	4529	3.221	ug/L #	77
12) 1,1-Dichloroethene	2.566	96	4246	3.229	ug/L #	1
13) Acetone	2.621	43	4975	4.882	ug/L	99
14) Carbon disulfide	2.788	76	7435	2.240	ug/L	96
15) Methyl Acetate	2.949	43	4431	2.884	ug/L #	85
16) Methylene chloride	3.036	84	6053	3.650	ug/L	92
17) trans-1,2-Dichloroethene	3.348	96	3330m	2.460	ug/L	
18) Methyl tert-butyl Ether	3.354	73	10962	2.493	ug/L	99
19) 1,1-Dichloroethane	3.856	63	7278	2.834	ug/L	96
20) cis-1,2-Dichloroethene	4.663	96	4323	2.637	ug/L	90
22) 2-Butanone	4.714	43	6731m	5.369	ug/L	
23) Bromochloromethane	4.972	128	2271m	2.626	ug/L	
27) 1,2-Dichloroethane	5.791	62	5778	2.755	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.377	56	4076	1.994	ug/L	91
30) 1,1,1-Trichloroethane	5.309	97	5759	2.435	ug/L	99
31) Carbon tetrachloride	5.515	117	4990	2.554	ug/L	96
34) Trichloroethene	6.541	95	4295m	2.611	ug/L	
35) Methylcyclohexane	6.756	83	4475	1.970	ug/L	93
37) 1,2-Dichloropropane	6.788	63	4861	2.865	ug/L #	88
38) Bromodichloromethane	7.103	83	5796	2.696	ug/L #	94
39) cis-1,3-Dichloropropene	7.605	75	6096	2.348	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	11197	5.221	ug/L	92
42) Toluene	7.968	91	15961	2.372	ug/L	93
44) trans-1,3-Dichloropropene	8.213	75	5651	2.370	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	4793	2.697	ug/L	96
46) Tetrachloroethene	8.550	164	2842	2.100	ug/L	93
48) 2-Hexanone	8.682	43	16099	8.970	ug/L #	75
49) Dibromochloromethane	8.807	129	4680	2.673	ug/L	81
50) 1,2-Dibromoethane	8.920	107	4682	2.520	ug/L	98
51) Chlorobenzene	9.441	112	10912	2.442	ug/L	96
52) Ethylbenzene	9.566	91	14072	1.958	ug/L	94
53) m,p-Xylene	9.692	106	5296m	1.893	ug/L	
54) o-Xylene	10.097	106	5021	1.866	ug/L	96
55) Styrene	10.116	104	7464	1.644	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	8653	2.888	ug/L #	99
59) Bromoform	10.286	173	3568	3.219	ug/L #	95
60) 1,2,3-Trichloropropane	10.817	75	6433	3.698	ug/L	94
61) Isopropylbenzene	10.479	105	11723	2.194	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	7432	1.900	ug/L	98
63) 1,2,4-Trimethylbenzene	11.466	105	7529	1.797	ug/L	96
64) 1,3-Dichlorobenzene	11.746	146	6616	2.387	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	7577	2.645	ug/L	83
67) 1,2-Dichlorobenzene	12.206	146	7960	2.843	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.997	75	1560	3.279	ug/L	89
69) 1,3,5-Trichlorobenzene	13.222	180	4630	2.317	ug/L	96
70) 1,2,4-trichlorobenzene	13.839	180	3605	2.002	ug/L #	92
71) Naphthalene	14.097	128	11393m	2.189	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	3571	1.976	ug/L #	81

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

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