

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058952.D
 Acq On : 23 May 2024 16:43
 Operator : MD/SY
 Sample : P2409-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2024-03

Quant Time: May 24 07:16:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:52:32 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin
 Yesilyurt
 05/27/2024
 Supervised By :Mahesh
 Dadoda
 05/27/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	172134	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	178719	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	85188	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	91905	50.482	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.960%			
7) Chloroethane-d5	1.907	69	73249	48.412	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.820%			
11) 1,1-Dichloroethene-d2	2.563	63	110985	39.902	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 79.800%			
21) 2-Butanone-d5	4.615	46	138241	110.545	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 110.540%			
24) Chloroform-d	5.055	84	155562	49.816	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.640%			
26) 1,2-Dichloroethane-d4	5.695	65	100147	52.439	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.880%			
32) Benzene-d6	5.721	84	315237	51.738	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.480%			
36) 1,2-Dichloropropane-d6	6.682	67	106037	52.690	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 105.380%			
41) Toluene-d8	7.891	98	267463	48.974	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.940%			
43) trans-1,3-Dichloroprop...	8.174	79	43779	48.447	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 96.900%			
47) 2-Hexanone-d5	8.627	63	85781	103.062	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 103.060%			
56) 1,1,2,2-Tetrachloroeth...	10.749	84	156150	51.576	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 103.160%			
66) 1,2-Dichlorobenzene-d4	12.187	152	97018	55.194	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 110.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	2357	2.047	ug/L	94
3) Chloromethane	1.518	50	2787	2.258	ug/L	93
5) Vinyl chloride	1.602	62	3520	2.443	ug/L #	72
6) Bromomethane	1.853	94	1746	2.044	ug/L	87
8) Chloroethane	1.930	64	2296	2.323	ug/L #	78
9) Trichlorofluoromethane	2.136	101	4085	2.084	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	3459	2.596	ug/L #	59
12) 1,1-Dichloroethene	2.573	96	3087	2.895	ug/L #	1
13) Acetone	2.628	43	4246	3.851	ug/L	88
14) Carbon disulfide	2.792	76	4769	2.377	ug/L	100
15) Methyl Acetate	2.956	43	4009	2.256	ug/L #	72
16) Methylene chloride	3.039	84	5774	3.394	ug/L	97
17) trans-1,2-Dichloroethene	3.351	96	2257	2.107	ug/L	85
18) Methyl tert-butyl Ether	3.361	73	8581	2.024	ug/L #	90
19) 1,1-Dichloroethane	3.862	63	5627	2.062	ug/L	96
20) cis-1,2-Dichloroethene	4.663	96	3197	2.255	ug/L	89
22) 2-Butanone	4.727	43	6230m	4.338	ug/L	
23) Bromochloromethane	4.968	128	1469	1.987	ug/L #	84
27) 1,2-Dichloroethane	5.795	62	4619m	2.100	ug/L	

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29) Cyclohexane	5.383	56	2855	1.877	ug/L	#	76
30) 1,1,1-Trichloroethane	5.312	97	4357	2.031	ug/L		96
31) Carbon tetrachloride	5.515	117	3501	2.021	ug/L		99
34) Trichloroethene	6.541	95	3195	2.240	ug/L		91
35) Methylcyclohexane	6.756	83	3210	1.921	ug/L	#	86
37) 1,2-Dichloropropane	6.785	63	3784	2.167	ug/L	#	96
38) Bromodichloromethane	7.100	83	4506	2.076	ug/L	#	98
39) cis-1,3-Dichloropropene	7.608	75	5055	2.102	ug/L		98
40) 4-Methyl-2-pentanone	7.785	43	10464	4.204	ug/L	#	91
42) Toluene	7.965	91	11850	2.058	ug/L		95
44) trans-1,3-Dichloropropene	8.206	75	4799m	2.108	ug/L		
45) 1,1,2-Trichloroethane	8.399	97	3396	1.970	ug/L		96
46) Tetrachloroethene	8.550	164	2141	2.252	ug/L		83
49) Dibromochloromethane	8.804	129	3560	2.161	ug/L		84
50) 1,2-Dibromoethane	8.923	107	3549	2.154	ug/L	#	93
51) Chlorobenzene	9.441	112	8438	2.217	ug/L		95
52) Ethylbenzene	9.569	91	11379	1.826	ug/L		91
53) m,p-Xylene	9.692	106	3572	1.595	ug/L		98
54) o-Xylene	10.100	106	3519	1.570	ug/L		94
55) Styrene	10.119	104	5992	1.497	ug/L		98
57) 1,1,2,2-Tetrachloroethane	10.775	83	7092	2.283	ug/L	#	93
59) Bromoform	10.286	173	2522	2.234	ug/L	#	95
60) 1,2,3-Trichloropropane	10.820	75	5132	2.367	ug/L		96
61) Isopropylbenzene	10.479	105	9946	1.828	ug/L		95
62) 1,3,5-Trimethylbenzene	11.084	105	7212	1.683	ug/L		99
63) 1,2,4-Trimethylbenzene	11.470	105	6956	1.609	ug/L		95
64) 1,3-Dichlorobenzene	11.743	146	5923	2.097	ug/L		98
65) 1,4-Dichlorobenzene	11.830	146	6874	2.410	ug/L		94
67) 1,2-Dichlorobenzene	12.209	146	6700	2.332	ug/L	#	85
68) 1,2-Dibromo-3-chloropr...	13.000	75	1354	2.309	ug/L	#	49
69) 1,3,5-Trichlorobenzene	13.219	180	4000	2.011	ug/L	#	90
70) 1,2,4-trichlorobenzene	13.839	180	3723	2.173	ug/L		87
71) Naphthalene	14.097	128	9167m	1.834	ug/L		
72) 1,2,3-Trichlorobenzene	14.328	180	2949m	1.680	ug/L		

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

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