

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080124\
 Data File : VU060290.D
 Acq On : 01 Aug 2024 11:15
 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 02 02:47:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 02 02:32:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/03/2024
 Supervised By :Semsettin Yesilyurt 08/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	214850	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	217743	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	89502	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	77832	56.421	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 112.840%			
7) Chloroethane-d5	1.904	69	59325	51.128	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.260%			
11) 1,1-Dichloroethene-d2	2.560	63	89939	36.699	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 73.400%			
21) 2-Butanone-d5	4.618	46	100382	104.708	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.710%			
24) Chloroform-d	5.055	84	122212	45.748	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.500%			
26) 1,2-Dichloroethane-d4	5.692	65	77907	49.048	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.100%			
32) Benzene-d6	5.718	84	249422	44.733	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.460%			
36) 1,2-Dichloropropane-d6	6.682	67	86105	49.896	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.800%			
41) Toluene-d8	7.891	98	210537	39.706	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 79.420%#			
43) trans-1,3-Dichloroprop...	8.174	79	33547	41.544	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.080%			
47) 2-Hexanone-d5	8.627	63	56559	77.768	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 77.770%			
56) 1,1,2,2-Tetrachloroeth...	10.750	84	125232	47.280	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 94.560%			
66) 1,2-Dichlorobenzene-d4	12.187	152	75867	46.129	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2551	1.912	ug/L	97
3) Chloromethane	1.518	50	3687	2.816	ug/L	99
5) Vinyl chloride	1.602	62	4270	2.778	ug/L #	75
6) Bromomethane	1.846	94	2588	3.205	ug/L	97
8) Chloroethane	1.924	64	2471	2.469	ug/L	89
9) Trichlorofluoromethane	2.132	101	5186	2.423	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	4009	2.943	ug/L #	78
12) 1,1-Dichloroethene	2.573	96	3753	2.946	ug/L #	1
13) Acetone	2.628	43	4686	4.747	ug/L	97
14) Carbon disulfide	2.788	76	7155	2.225	ug/L	100
15) Methyl Acetate	2.952	43	4697	3.156	ug/L #	82
16) Methylene chloride	3.039	84	6210	3.866	ug/L	91
17) trans-1,2-Dichloroethene	3.348	96	3335	2.543	ug/L	84
18) Methyl tert-butyl Ether	3.354	73	10101	2.371	ug/L	95
19) 1,1-Dichloroethane	3.862	63	7240	2.911	ug/L	95
20) cis-1,2-Dichloroethene	4.663	96	3770	2.374	ug/L	84
22) 2-Butanone	4.724	43	7113m	5.856	ug/L	
23) Bromochloromethane	4.978	128	1855m	2.215	ug/L	
27) 1,2-Dichloroethane	5.795	62	5179	2.549	ug/L	96

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29) Cyclohexane	5.383	56	3577	1.835	ug/L #	92
30) 1,1,1-Trichloroethane	5.309	97	5493	2.435	ug/L #	84
31) Carbon tetrachloride	5.512	117	4644	2.492	ug/L	97
34) Trichloroethene	6.541	95	3962	2.525	ug/L	96
35) Methylcyclohexane	6.753	83	3986m	1.839	ug/L	
37) 1,2-Dichloropropane	6.788	63	4413	2.727	ug/L #	96
38) Bromodichloromethane	7.100	83	5406	2.636	ug/L	93
39) cis-1,3-Dichloropropene	7.605	75	5753	2.323	ug/L	96
40) 4-Methyl-2-pentanone	7.791	43	10439	5.103	ug/L	93
42) Toluene	7.965	91	14645	2.281	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	5739m	2.523	ug/L	
45) 1,1,2-Trichloroethane	8.399	97	4504	2.657	ug/L	98
46) Tetrachloroethene	8.547	164	2742	2.124	ug/L	94
48) 2-Hexanone	8.682	43	14359	8.387	ug/L #	89
49) Dibromochloromethane	8.807	129	4378	2.621	ug/L	98
50) 1,2-Dibromoethane	8.920	107	4323	2.439	ug/L #	88
51) Chlorobenzene	9.444	112	10687	2.508	ug/L	94
52) Ethylbenzene	9.566	91	14251	2.079	ug/L	94
53) m,p-Xylene	9.692	106	5286	1.981	ug/L	96
54) o-Xylene	10.097	106	4697	1.830	ug/L	96
55) Styrene	10.116	104	7501	1.732	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.775	83	8654	3.028	ug/L	98
59) Bromoform	10.287	173	3108	2.872	ug/L #	97
60) 1,2,3-Trichloropropane	10.814	75	6001	3.533	ug/L	96
61) Isopropylbenzene	10.479	105	11115	2.130	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	7318	1.916	ug/L	94
63) 1,2,4-Trimethylbenzene	11.467	105	7407	1.811	ug/L	100
64) 1,3-Dichlorobenzene	11.746	146	6949	2.568	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	7435	2.658	ug/L	89
67) 1,2-Dichlorobenzene	12.209	146	7863	2.877	ug/L #	92
68) 1,2-Dibromo-3-chloropr...	12.997	75	1783	3.838	ug/L #	72
69) 1,3,5-Trichlorobenzene	13.216	180	4574	2.345	ug/L	92
70) 1,2,4-trichlorobenzene	13.843	180	4046m	2.301	ug/L	
71) Naphthalene	14.093	128	11086m	2.182	ug/L	
72) 1,2,3-Trichlorobenzene	14.331	180	3982	2.257	ug/L	98

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

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