

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112824\
 Data File : VU062064.D
 Acq On : 27 Nov 2024 20:18
 Operator : MD/SY
 Sample : P4776-05
 Misc : 5.00g/5mL/100ul/5mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Nov 28 01:35:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 28 01:06:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/02/2024
 Supervised By :Semsettin Yesilyurt 12/02/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	171654	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	159373	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	73548	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	54510	45.833	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.660%		
7) Chloroethane-d5	1.907	69	41633	48.571	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.140%		
11) 1,1-Dichloroethene-d2	2.560	63	80830	35.845	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.700%		
21) 2-Butanone-d5	4.618	46	84682	104.779	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.780%		
24) Chloroform-d	5.052	84	114469	46.115	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.220%		
26) 1,2-Dichloroethane-d4	5.692	65	77275	48.797	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.600%		
32) Benzene-d6	5.717	84	223489	49.039	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.080%		
36) 1,2-Dichloropropane-d6	6.679	67	70510	49.232	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.460%		
41) Toluene-d8	7.888	98	203669	48.274	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.540%		
43) trans-1,3-Dichloroprop...	8.171	79	34038	47.555	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.120%		
47) 2-Hexanone-d5	8.627	63	55305	102.511	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.510%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	102825	49.335	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.680%		
66) 1,2-Dichlorobenzene-d4	12.183	152	74561	51.532	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.383	85	3830	2.337	ug/L	99
3) Chloromethane	1.518	50	3416	2.529	ug/L	99
5) Vinyl chloride	1.602	62	3407	2.446	ug/L #	56
6) Bromomethane	1.853	94	1944	2.541	ug/L	97
8) Chloroethane	1.927	64	1852m	2.308	ug/L	
9) Trichlorofluoromethane	2.136	101	4739	2.225	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	3475	2.910	ug/L #	35
12) 1,1-Dichloroethene	2.573	96	3064	2.821	ug/L #	1
13) Acetone	2.634	43	3886	4.015	ug/L	86
14) Carbon disulfide	2.788	76	8180	2.504	ug/L	99
15) Methyl Acetate	2.959	43	2872m	2.406	ug/L	
16) Methylene chloride	3.039	84	3162	2.554	ug/L	88
17) trans-1,2-Dichloroethene	3.354	96	2776	2.487	ug/L	95
18) Methyl tert-butyl Ether	3.361	73	8300	2.206	ug/L	98
19) 1,1-Dichloroethane	3.862	63	4694	2.194	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	3012	2.369	ug/L	95
22) 2-Butanone	4.727	43	5420m	5.192	ug/L	
23) Bromochloromethane	4.975	128	1541	2.330	ug/L	90
27) 1,2-Dichloroethane	5.791	62	4404	2.375	ug/L	99

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29) Cyclohexane	5.373	56	3580	1.966	ug/L	87
30) 1,1,1-Trichloroethane	5.306	97	4633	2.247	ug/L	97
31) Carbon tetrachloride	5.515	117	4061	2.204	ug/L	92
34) Trichloroethene	6.544	95	3082	2.380	ug/L	96
35) Methylcyclohexane	6.756	83	4542	2.314	ug/L	90
37) 1,2-Dichloropropane	6.778	63	3134m	2.497	ug/L	
38) Bromodichloromethane	7.097	83	3970	2.348	ug/L	93
39) cis-1,3-Dichloropropene	7.602	75	4499	2.220	ug/L	96
40) 4-Methyl-2-pentanone	7.788	43	7396	4.718	ug/L #	89
42) Toluene	7.965	91	11713	2.310	ug/L	96
44) trans-1,3-Dichloropropene	8.206	75	4920m	2.626	ug/L	
45) 1,1,2-Trichloroethane	8.393	97	2808	2.255	ug/L	97
46) Tetrachloroethene	8.550	164	2010	2.043	ug/L	92
48) 2-Hexanone	8.682	43	10343	7.827	ug/L #	59
49) Dibromochloromethane	8.804	129	2805	2.156	ug/L	92
50) 1,2-Dibromoethane	8.917	107	3245	2.399	ug/L #	94
51) Chlorobenzene	9.438	112	7743	2.418	ug/L	99
52) Ethylbenzene	9.563	91	12100	2.173	ug/L	96
53) m,p-Xylene	9.688	106	4531	2.200	ug/L	90
54) o-Xylene	10.093	106	4305	2.137	ug/L	92
55) Styrene	10.116	104	6623	1.954	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.769	83	5277	2.568	ug/L #	88
59) Bromoform	10.286	173	2083	2.247	ug/L #	76
60) 1,2,3-Trichloropropane	10.814	75	3878	2.580	ug/L	94
61) Isopropylbenzene	10.479	105	10915	2.204	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	8734	2.072	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	8631	2.126	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	5621	2.456	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	5766	2.483	ug/L	95
67) 1,2-Dichlorobenzene	12.203	146	5715	2.528	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.997	75	1161	2.741	ug/L	85
69) 1,3,5-Trichlorobenzene	13.219	180	3444	2.138	ug/L	93
70) 1,2,4-trichlorobenzene	13.839	180	2978m	2.165	ug/L	
71) Naphthalene	14.093	128	7891	2.117	ug/L #	80
72) 1,2,3-Trichlorobenzene	14.328	180	3050	2.297	ug/L	94

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

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