

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022724\
 Data File : VU057953.D
 Acq On : 27 Feb 2024 13:56
 Operator : MD/SY
 Sample : P1601-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-01

Quant Time: Feb 28 00:56:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 28 00:40:01 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/28/2024
 Supervised By :Semsettin Yesilyurt 02/28/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	263399	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	253392	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	113855	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	69032	36.200	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.400%		
7) Chloroethane-d5	1.904	69	59692	42.351	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.700%		
11) 1,1-Dichloroethene-d2	2.557	63	103531	29.132	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.260%#		
21) 2-Butanone-d5	4.612	46	87527	120.802	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	120.800%		
24) Chloroform-d	5.052	84	143236	44.297	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.600%		
26) 1,2-Dichloroethane-d4	5.692	65	96110	47.415	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.820%		
32) Benzene-d6	5.718	84	282570	44.498	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.000%		
36) 1,2-Dichloropropane-d6	6.682	67	95234	46.445	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.880%		
41) Toluene-d8	7.891	98	249313	43.372	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.740%		
43) trans-1,3-Dichloroprop...	8.174	79	41814	42.823	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.640%		
47) 2-Hexanone-d5	8.627	63	60920	77.283	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	77.280%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	122895	43.435	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.860%		
66) 1,2-Dichlorobenzene-d4	12.190	152	85017	46.116	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	5088	1.762	ug/L	98
3) Chloromethane	1.515	50	5174	1.762	ug/L	98
5) Vinyl chloride	1.599	62	5148	1.776	ug/L #	77
6) Bromomethane	1.850	94	2751	2.430	ug/L	94
8) Chloroethane	1.927	64	3229	1.904	ug/L	95
9) Trichlorofluoromethane	2.129	101	6546	1.845	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	4617	2.239	ug/L #	85
12) 1,1-Dichloroethene	2.570	96	4355	2.284	ug/L #	1
14) Carbon disulfide	2.785	76	11741	1.881	ug/L	100
15) Methyl Acetate	2.949	43	3794	1.737	ug/L #	74
16) Methylene chloride	3.036	84	4858	1.954	ug/L	96
17) trans-1,2-Dichloroethene	3.348	96	3744	1.892	ug/L	87
18) Methyl tert-butyl Ether	3.354	73	11595	1.683	ug/L	93
19) 1,1-Dichloroethane	3.859	63	7222	1.761	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	4491	1.979	ug/L	90
22) 2-Butanone	4.714	43	6443m	3.964	ug/L	
23) Bromochloromethane	4.975	128	1991m	1.805	ug/L	
27) 1,2-Dichloroethane	5.788	62	6415	1.904	ug/L	99
29) Cyclohexane	5.377	56	6451	1.730	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	5.313	97	6239	1.827	ug/L	99
31) Carbon tetrachloride	5.509	117	5174m	1.764	ug/L	
34) Trichloroethene	6.541	95	4100	1.805	ug/L	90
35) Methylcyclohexane	6.753	83	6480	1.756	ug/L	97
37) 1,2-Dichloropropane	6.785	63	4769	1.912	ug/L #	96
38) Bromodichloromethane	7.100	83	5732	1.914	ug/L #	98
39) cis-1,3-Dichloropropene	7.605	75	7056	1.851	ug/L	93
42) Toluene	7.968	91	16542	1.809	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	6032	1.706	ug/L	94
45) 1,1,2-Trichloroethane	8.396	97	3984	1.798	ug/L	96
46) Tetrachloroethene	8.547	164	2948	1.886	ug/L	91
49) Dibromochloromethane	8.808	129	3299	1.495	ug/L	94
50) 1,2-Dibromoethane	8.920	107	3755	1.609	ug/L #	90
51) Chlorobenzene	9.444	112	10403	1.789	ug/L	96
52) Ethylbenzene	9.566	91	18080	1.763	ug/L	95
53) m,p-Xylene	9.692	106	6296	1.688	ug/L	83
54) o-Xylene	10.097	106	5627	1.527	ug/L	94
55) Styrene	10.116	104	9171	1.451	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.779	83	6513	1.725	ug/L #	95
60) 1,2,3-Trichloropropane	10.817	75	4687	1.777	ug/L	98
61) Isopropylbenzene	10.483	105	15055	1.692	ug/L	97
62) 1,3,5-Trimethylbenzene	11.087	105	12418	1.620	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	12001	1.558	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	7222	1.836	ug/L	93
65) 1,4-Dichlorobenzene	11.830	146	8555	2.135	ug/L	94
67) 1,2-Dichlorobenzene	12.209	146	7391	1.910	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.994	75	970m	1.549	ug/L	
69) 1,3,5-Trichlorobenzene	13.222	180	4511m	1.705	ug/L	
70) 1,2,4-trichlorobenzene	13.843	180	3310	1.554	ug/L	90
71) Naphthalene	14.090	128	8846	1.564	ug/L #	72
72) 1,2,3-Trichlorobenzene	14.331	180	3392	1.733	ug/L	95

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

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