

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058968.D
 Acq On : 24 May 2024 14:05
 Operator : MD/SY
 Sample : P2409-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 24 22:43:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 22:25:41 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	6.242	114	181994	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	176377	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	72865	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	89338	46.413	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.820%
7) Chloroethane-d5	1.907	69	89169	55.741	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.480%
11) 1,1-Dichloroethene-d2	2.557	63	117907	40.094	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.180%
21) 2-Butanone-d5	4.621	46	145129	109.765	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.770%
24) Chloroform-d	5.052	84	159138	48.200	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.692	65	104516	51.762	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.520%
32) Benzene-d6	5.718	84	327154	54.407	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.820%
36) 1,2-Dichloropropane-d6	6.682	67	110181	55.476	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.960%
41) Toluene-d8	7.891	98	271144	50.307	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.620%
43) trans-1,3-Dichloroprop...	8.174	79	43058	48.282	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.560%
47) 2-Hexanone-d5	8.634	63	86621	105.453	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.450%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	160180	53.610	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.220%
66) 1,2-Dichlorobenzene-d4	12.190	152	87004	57.868	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	3129	2.570	ug/L	93
3) Chloromethane	1.518	50	4244	3.253	ug/L	90
5) Vinyl chloride	1.602	62	4228	2.775	ug/L #	72
6) Bromomethane	1.853	94	2340	2.591	ug/L	77
8) Chloroethane	1.927	64	3911	3.743	ug/L	98
9) Trichlorofluoromethane	2.123	101	5778	2.788	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	4411	3.131	ug/L	89
12) 1,1-Dichloroethene	2.563	96	3687	3.270	ug/L #	1
13) Acetone	2.647	43	6265	5.374	ug/L	96
14) Carbon disulfide	2.785	76	5858	2.762	ug/L #	93
15) Methyl Acetate	2.949	43	5467m	2.910	ug/L	
16) Methylene chloride	3.036	84	5527	3.073	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	2501	2.208	ug/L	97
18) Methyl tert-butyl Ether	3.358	73	11677	2.605	ug/L	97
19) 1,1-Dichloroethane	3.859	63	8274	2.868	ug/L	93
20) cis-1,2-Dichloroethene	4.657	96	3845	2.565	ug/L	91
22) 2-Butanone	4.731	43	8842m	5.823	ug/L	
23) Bromochloromethane	4.978	128	2196m	2.810	ug/L	
27) 1,2-Dichloroethane	5.792	62	6322m	2.719	ug/L	

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29) Cyclohexane	5.380	56	4038	2.690	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	5995	2.832	ug/L	97
31) Carbon tetrachloride	5.512	117	4931m	2.884	ug/L	
34) Trichloroethene	6.538	95	6035	4.288	ug/L	92
35) Methylcyclohexane	6.756	83	4240	2.570	ug/L	94
37) 1,2-Dichloropropane	6.785	63	5090	2.954	ug/L #	95
38) Bromodichloromethane	7.103	83	6371	2.975	ug/L	91
39) cis-1,3-Dichloropropene	7.605	75	6649	2.801	ug/L	95
40) 4-Methyl-2-pentanone	7.788	43	13916	5.665	ug/L	96
42) Toluene	7.965	91	14486	2.549	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	6228	2.772	ug/L	86
45) 1,1,2-Trichloroethane	8.399	97	5097	2.996	ug/L	96
46) Tetrachloroethene	8.550	164	2311	2.463	ug/L	95
49) Dibromochloromethane	8.804	129	4118	2.533	ug/L	99
50) 1,2-Dibromoethane	8.917	107	4632	2.849	ug/L #	94
51) Chlorobenzene	9.441	112	9728	2.589	ug/L #	84
52) Ethylbenzene	9.566	91	14631	2.379	ug/L	99
53) m,p-Xylene	9.692	106	5153	2.332	ug/L	94
54) o-Xylene	10.097	106	5520	2.496	ug/L	68
55) Styrene	10.116	104	8380	2.121	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.775	83	10050	3.278	ug/L	98
59) Bromoform	10.290	173	3170	3.282	ug/L #	88
60) 1,2,3-Trichloropropane	10.820	75	6958	3.752	ug/L	95
61) Isopropylbenzene	10.479	105	13463	2.893	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	9232	2.518	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	9006	2.436	ug/L	98
64) 1,3-Dichlorobenzene	11.750	146	6347	2.627	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	6481	2.656	ug/L	89
67) 1,2-Dichlorobenzene	12.206	146	7762	3.159	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.994	75	1499	2.988	ug/L	88
69) 1,3,5-Trichlorobenzene	13.219	180	4348m	2.555	ug/L	
70) 1,2,4-trichlorobenzene	13.843	180	3462	2.362	ug/L	87
71) Naphthalene	14.093	128	9677m	2.264	ug/L	
72) 1,2,3-Trichlorobenzene	14.331	180	3145	2.095	ug/L	98

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

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