

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080524\
 Data File : VV036778.D
 Acq On : 05 Aug 2024 11:56
 Operator : SY/MD
 Sample : P3391-05 2.5 MDL
 Misc : 5.00G/5 mL/100uL/5.00mL/MSVOA_V/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2024-05DL

Quant Time: Aug 06 05:15:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 02:51:35 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024
 Supervised By :Semsettin Yesilyurt 08/08/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	479032	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	451217	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	220881	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	184913	48.329	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.660%
7) Chloroethane-d5	1.532	69	151647	50.260	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.520%
11) 1,1-Dichloroethene-d2	2.060	65	81456	49.771	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.540%
21) 2-Butanone-d5	3.793	46	185113	91.315	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.320%
24) Chloroform-d	4.243	84	346340	50.442	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.880%
26) 1,2-Dichloroethane-d4	4.937	65	226840	51.385	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.760%
32) Benzene-d6	4.953	84	716349	52.563	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.120%
36) 1,2-Dichloropropane-d6	5.986	67	231423	52.635	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.280%
41) Toluene-d8	7.240	98	648720	51.891	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.780%
43) trans-1,3-Dichloroprop...	7.551	79	112672	49.241	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.480%
47) 2-Hexanone-d5	8.024	63	105113	83.147	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.150%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	232880	46.130	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.260%
66) 1,2-Dichlorobenzene-d4	11.555	152	233584	51.896	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	8016	2.099	ug/L	99
3) Chloromethane	1.217	50	8656	2.165	ug/L	94
5) Vinyl chloride	1.282	62	9288	2.263	ug/L #	69
6) Bromomethane	1.487	94	5790	2.240	ug/L	94
8) Chloroethane	1.548	64	5646	2.220	ug/L	98
9) Trichlorofluoromethane	1.712	101	10799	2.008	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	8360	2.639	ug/L #	85
12) 1,1-Dichloroethene	2.069	96	7712	2.549	ug/L #	1
13) Acetone	2.118	43	6182	3.645	ug/L	97
14) Carbon disulfide	2.240	76	20725	2.180	ug/L	96
15) Methyl Acetate	2.375	43	9448m	2.704	ug/L	
17) trans-1,2-Dichloroethene	2.690	96	6363	2.030	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	21132	1.914	ug/L	97
19) 1,1-Dichloroethane	3.108	63	12597	1.989	ug/L	96
20) cis-1,2-Dichloroethene	3.809	96	7680	2.088	ug/L	99
22) 2-Butanone	3.902	43	9240m	4.067	ug/L	
23) Bromochloromethane	4.153	128	3487	1.951	ug/L	86
27) 1,2-Dichloroethane	5.053	62	9228	1.799	ug/L	96
29) Cyclohexane	4.571	56	11517	2.003	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.510	97	10892	1.916	ug/L #	85
31) Carbon tetrachloride	4.735	117	9114	1.909	ug/L	96
33) Benzene	5.008	78	24858	1.842	ug/L	100
34) Trichloroethene	5.834	95	8192	2.094	ug/L	95
35) Methylcyclohexane	6.047	83	12423	2.070	ug/L	93
37) 1,2-Dichloropropane	6.101	63	6944	1.942	ug/L #	94
38) Bromodichloromethane	6.442	83	9059	1.840	ug/L	98
39) cis-1,3-Dichloropropene	6.969	75	11789m	1.925	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	12142	2.742	ug/L	99
42) Toluene	7.320	91	28018	1.949	ug/L	96
44) trans-1,3-Dichloropropene	7.587	75	9171	1.607	ug/L	93
45) 1,1,2-Trichloroethane	7.773	97	6159	1.779	ug/L	95
46) Tetrachloroethene	7.905	164	5349	2.085	ug/L	90
48) 2-Hexanone	8.085	43	24978	7.666	ug/L #	84
49) Dibromochloromethane	8.175	129	6662	1.872	ug/L	92
50) 1,2-Dibromoethane	8.288	107	6667	1.856	ug/L #	92
51) Chlorobenzene	8.812	112	18389	1.994	ug/L	91
52) Ethylbenzene	8.947	91	31610	1.926	ug/L	99
53) m,p-Xylene	9.075	106	11432	1.863	ug/L	96
54) o-Xylene	9.481	106	11931	1.988	ug/L	93
55) Styrene	9.503	104	17384	1.690	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	9426	2.018	ug/L #	92
59) Bromoform	9.664	173	4267	1.746	ug/L #	92
60) Isopropylbenzene	9.866	105	30549	1.900	ug/L	98
61) 1,2,3-Trichloropropane	10.207	75	7161	1.801	ug/L	94
62) 1,3,5-Trimethylbenzene	10.474	105	24533	1.832	ug/L	96
63) 1,2,4-Trimethylbenzene	10.850	105	24774	1.849	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	14150	2.046	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	15461	2.199	ug/L	94
67) 1,2-Dichlorobenzene	11.574	146	14267	2.112	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	1865	1.623	ug/L #	84
69) 1,3,5-Trichlorobenzene	12.580	180	9666	1.970	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	9664	2.053	ug/L	99
71) Naphthalene	13.442	128	29053	1.925	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	8578	1.862	ug/L	97

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

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