

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080624\
 Data File : VV036802.D
 Acq On : 06 Aug 2024 10:36
 Operator : SY/MD
 Sample : P3391-06 2.5 PPB
 Misc : 5.00G/5 mL/100uL/5.00mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2024-06

Quant Time: Aug 07 06:53:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 07 04:57:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	485777	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	456418	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	219384	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	169828	43.771	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.540%
7) Chloroethane-d5	1.532	69	143014	46.740	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.480%
11) 1,1-Dichloroethene-d2	2.056	65	75626	45.567	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.140%
21) 2-Butanone-d5	3.793	46	196360	95.518	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.520%
24) Chloroform-d	4.239	84	329335	47.300	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	4.934	65	218573	48.824	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.640%
32) Benzene-d6	4.950	84	674320	48.915	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.840%
36) 1,2-Dichloropropane-d6	5.982	67	220557	49.592	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.180%
41) Toluene-d8	7.236	98	605599	47.890	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.780%
43) trans-1,3-Dichloroprop...	7.548	79	105596	45.623	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.240%
47) 2-Hexanone-d5	8.024	63	112542	88.009	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.010%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	242189	47.427	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.860%
66) 1,2-Dichlorobenzene-d4	11.554	152	223235	49.936	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	8197	2.116	ug/L	99
3) Chloromethane	1.217	50	8650	2.134	ug/L	98
5) Vinyl chloride	1.281	62	9433	2.266	ug/L #	68
6) Bromomethane	1.487	94	5630	2.148	ug/L	99
8) Chloroethane	1.548	64	6107	2.368	ug/L	99
9) Trichlorofluoromethane	1.712	101	10872	1.994	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	8401	2.615	ug/L #	83
12) 1,1-Dichloroethene	2.066	96	7880	2.568	ug/L #	1
13) Acetone	2.114	43	8796m	5.114	ug/L	
14) Carbon disulfide	2.236	76	20341	2.110	ug/L #	91
15) Methyl Acetate	2.371	43	9024m	2.547	ug/L	
17) trans-1,2-Dichloroethene	2.690	96	6442	2.027	ug/L	93
18) Methyl tert-butyl Ether	2.706	73	21977	1.963	ug/L	95
19) 1,1-Dichloroethane	3.104	63	13531	2.107	ug/L	90
20) cis-1,2-Dichloroethene	3.809	96	7601	2.037	ug/L	97
22) 2-Butanone	3.905	43	11671m	5.065	ug/L	
23) Bromochloromethane	4.149	128	3624	2.000	ug/L #	94
27) 1,2-Dichloroethane	5.043	62	10454	2.009	ug/L	100
29) Cyclohexane	4.574	56	11875	2.042	ug/L	97

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30) 1,1,1-Trichloroethane	4.503	97	11178	1.944	ug/L	99
31) Carbon tetrachloride	4.725	117	9637	1.996	ug/L	98
33) Benzene	5.008	78	27520	2.016	ug/L	100
34) Trichloroethene	5.834	95	8699	2.199	ug/L	93
35) Methylcyclohexane	6.037	83	12429	2.047	ug/L	86
37) 1,2-Dichloropropane	6.098	63	7795m	2.155	ug/L	
38) Bromodichloromethane	6.439	83	10036m	2.015	ug/L	
39) cis-1,3-Dichloropropene	6.963	75	13061m	2.109	ug/L	
40) 4-Methyl-2-pentanone	7.169	43	19188m	4.283	ug/L	
42) Toluene	7.320	91	29390	2.021	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	11382m	1.972	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	6763	1.931	ug/L	92
46) Tetrachloroethene	7.905	164	5527m	2.130	ug/L	
48) 2-Hexanone	8.088	43	32055m	9.726	ug/L	
49) Dibromochloromethane	8.175	129	6990	1.942	ug/L	93
50) 1,2-Dibromoethane	8.287	107	7101	1.954	ug/L #	99
51) Chlorobenzene	8.812	112	18649	1.999	ug/L	95
52) Ethylbenzene	8.950	91	31815	1.916	ug/L	97
53) m,p-Xylene	9.078	106	11295	1.820	ug/L	99
54) o-Xylene	9.477	106	11396	1.877	ug/L	91
55) Styrene	9.503	104	19597m	1.884	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.175	83	10870	2.300	ug/L	99
59) Bromoform	9.664	173	4394	1.810	ug/L #	92
60) Isopropylbenzene	9.866	105	31865	1.995	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	7762	1.965	ug/L	93
62) 1,3,5-Trimethylbenzene	10.474	105	25988	1.954	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	25767	1.936	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	14541	2.117	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	16382	2.346	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	14186	2.115	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.365	75	1967	1.724	ug/L	90
69) 1,3,5-Trichlorobenzene	12.583	180	9396	1.928	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	8937	1.912	ug/L	97
71) Naphthalene	13.442	128	29332m	1.957	ug/L	
72) 1,2,3-Trichlorobenzene	13.683	180	8856	1.935	ug/L	99

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

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