

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073024\
 Data File : VX042741.D
 Acq On : 30 Jul 2024 15:55
 Operator : JC/MD
 Sample : P3391-05 2.5PPB
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT3-2024-05

Quant Time: Jul 31 05:48:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML072624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 31 03:10:58 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 07/31/2024
 Supervised By :Semsettin Yesilyurt 07/31/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	132631	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	119487	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	47545	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	34544	42.870	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.740%		
7) Chloroethane-d5	1.648	69	16051	48.341	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.680%		
11) 1,1-Dichloroethene-d2	2.294	65	18745	47.215	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.420%		
21) 2-Butanone-d5	4.465	46	58688	98.270	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.270%		
24) Chloroform-d	5.056	84	85636	48.555	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.100%		
26) 1,2-Dichloroethane-d4	5.952	65	59174	52.005	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.020%		
32) Benzene-d6	5.970	84	171336	51.667	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.340%		
36) 1,2-Dichloropropane-d6	7.306	67	49831	50.773	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.540%		
41) Toluene-d8	8.647	98	149603	50.316	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.640%		
43) trans-1,3-Dichloroprop...	8.952	79	22426	48.828	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.660%		
47) 2-Hexanone-d5	9.384	63	43214	98.481	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.480%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	69209	48.976	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.960%		
66) 1,2-Dichlorobenzene-d4	12.323	152	47540	52.908	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2273	1.940	ug/L	96
3) Chloromethane	1.301	50	1853	1.912	ug/L	97
5) Vinyl chloride	1.374	62	1714	1.861	ug/L #	34
6) Bromomethane	1.599	94	594	2.061	ug/L #	62
8) Chloroethane	1.666	64	780m	2.313	ug/L	
9) Trichlorofluoromethane	1.874	101	2403	1.843	ug/L	86
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	2589	2.763	ug/L #	66
12) 1,1-Dichloroethene	2.306	96	2213	2.581	ug/L #	1
13) Acetone	2.392	43	2300	4.927	ug/L	98
14) Carbon disulfide	2.502	76	3617	1.728	ug/L #	86
15) Methyl Acetate	2.715	43	2153	2.081	ug/L	95
16) Methylene chloride	2.788	84	2741	2.768	ug/L	97
17) trans-1,2-Dichloroethene	3.093	96	1722	1.957	ug/L	95
18) Methyl tert-butyl Ether	3.123	73	6638	2.176	ug/L	99
19) 1,1-Dichloroethane	3.617	63	3506m	2.087	ug/L	
20) cis-1,2-Dichloroethene	4.495	96	2104	2.093	ug/L	85
22) 2-Butanone	4.593	43	2862m	4.025	ug/L	
23) Bromochloromethane	4.904	128	827m	1.738	ug/L	
27) 1,2-Dichloroethane	6.092	62	3173m	2.230	ug/L	

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29) Cyclohexane	5.464	56	2538	1.797	ug/L #	77
30) 1,1,1-Trichloroethane	5.385	97	3392	2.222	ug/L #	76
31) Carbon tetrachloride	5.690	117	2741m	2.126	ug/L	
33) Benzene	6.044	78	7712	2.109	ug/L	100
35) Methylcyclohexane	7.379	83	3039m	2.055	ug/L	
37) 1,2-Dichloropropane	7.434	63	1913m	2.013	ug/L	
38) Bromodichloromethane	7.830	83	2193	1.785	ug/L #	92
39) cis-1,3-Dichloropropene	8.366	75	2915	1.998	ug/L	89
40) 4-Methyl-2-pentanone	8.580	43	4361	3.335	ug/L #	90
42) Toluene	8.720	91	7842	2.082	ug/L	94
44) trans-1,3-Dichloropropene	8.982	75	2073	1.568	ug/L	86
45) 1,1,2-Trichloroethane	9.159	97	2045	2.131	ug/L	94
46) Tetrachloroethene	9.275	164	1387	2.082	ug/L	88
48) 2-Hexanone	9.439	43	4579	4.503	ug/L #	85
49) Dibromochloromethane	9.519	129	1878	2.095	ug/L	97
50) 1,2-Dibromoethane	9.610	107	2282	2.286	ug/L #	77
51) Chlorobenzene	10.079	112	5286	2.170	ug/L	88
52) Ethylbenzene	10.195	91	7642	1.850	ug/L	96
53) m,p-Xylene	10.305	106	2937	1.887	ug/L	85
54) o-Xylene	10.646	106	2940	1.899	ug/L	92
55) Styrene	10.659	104	4628	1.793	ug/L	90
57) 1,1,2,2-Tetrachloroethane	11.207	83	3319	2.162	ug/L #	82
59) Bromoform	10.805	173	1054	1.975	ug/L #	92
60) Isopropylbenzene	10.963	105	7144	1.989	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	2578	2.344	ug/L #	87
62) 1,3,5-Trimethylbenzene	11.451	105	5322	1.781	ug/L	92
63) 1,2,4-Trimethylbenzene	11.756	105	5463	1.852	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	3436	2.224	ug/L	91
65) 1,4-Dichlorobenzene	12.043	146	3826	2.459	ug/L	85
67) 1,2-Dichlorobenzene	12.329	146	3610	2.320	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	561m	1.914	ug/L	
69) 1,3,5-Trichlorobenzene	13.116	180	2022m	2.110	ug/L	
70) 1,2,4-trichlorobenzene	13.591	180	1572	1.871	ug/L	94
71) Naphthalene	13.780	128	6231	1.922	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	1870m	2.148	ug/L	

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

