

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070125\
 Data File : BM050332.D
 Acq On : 01 Jul 2025 18:17
 Operator : RC/JU
 Sample : Q2117-05
 Misc : MDL-MED-SOIL-4 PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-03

Quant Time: Jul 02 10:40:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM070125.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 01 15:14:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/02/2025
 Supervised By :Jagrut Upadhyay 07/02/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	409255	20.000	ng/u1	0.00
20) Naphthalene-d8	10.669	136	1480931	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.492	164	887929	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.227	188	1673069	20.000	ng/u1	0.00
79) Chrysene-d12	21.451	240	1715958	20.000	ng/u1	0.00
88) Perylene-d12	24.486	264	1799220	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.305	96	42888	4.326	ng/uL	0.00
4) Pyridine-d5	3.711	84	444918	16.574	ng/u1	0.00
7) Phenol-d5	7.022	99	490589	16.535	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.193	67	330144	17.547	ng/u1	0.00
11) 2-Chlorophenol-d4	7.399	132	402752	16.667	ng/u1	0.00
15) 4-Methylphenol-d8	8.563	113	365392	16.165	ng/u1	0.00
21) Nitrobenzene-d5	9.022	128	161881	15.808	ng/u1	0.00
24) 2-Nitrophenol-d4	9.746	143	141206	14.793	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.281	165	356586	15.371	ng/u1	0.00
31) 4-Chloroaniline-d4	10.787	131	507915	16.479	ng/u1	0.00
46) Dimethylphthalate-d6	13.904	166	956796	15.821	ng/u1	0.00
49) Acenaphthylene-d8	14.186	160	1194660	16.133	ng/u1	0.00
54) 4-Nitrophenol-d4	14.663	143	143791	13.229	ng/u1	0.00
60) Fluorene-d10	15.480	176	884025	16.102	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	71244	9.859	ng/u1	0.00
73) Anthracene-d10	17.322	188	1328615	16.014	ng/u1	0.00
81) Pyrene-d10	19.604	212	1486078	16.212	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.280	264	1491262	16.348	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.340	88	16897	1.642	ng/uL	99
5) Pyridine	3.734	79	136965	4.891	ng/u1	91
6) Benzaldehyde	7.005	77	95449	5.831	ng/u1	99
8) Phenol	7.046	94	150839	4.852	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.287	93	120379	4.930	ng/u1	99
12) 2-Chlorophenol	7.434	128	120892	4.769	ng/u1	100
13) 2-Methylphenol	8.299	108	99734	4.446	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.399	45	191362	5.018	ng/u1	99
16) Acetophenone	8.687	105	176876	4.881	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.675	70	83028	4.416	ng/u1	94
18) 4-Methylphenol	8.628	108	109648	4.500	ng/u1	97
19) Hexachloroethane	8.957	117	49585	4.744	ng/u1	98
22) Nitrobenzene	9.063	77	128768	4.866	ng/u1	98
23) Isophorone	9.587	82	207966	4.303	ng/u1	99
25) 2-Nitrophenol	9.775	139	48393	4.280	ng/u1	93
26) 2,4-Dimethylphenol	9.834	107	103349	4.084	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.075	93	140873	4.519	ng/u1	98
29) 2,4-Dichlorophenol	10.304	162	103259	4.471	ng/u1	96
30) Naphthalene	10.716	128	363409	4.771	ng/u1	98
32) 4-Chloroaniline	10.816	127	146474	4.697	ng/u1	98
33) Hexachlorobutadiene	11.010	225	76745	4.732	ng/u1	95
34) Caprolactam	11.563	113	33846m	5.038	ng/u1	
35) 4-Chloro-3-methylphenol	11.934	107	87520	4.144	ng/u1	98
36) 2-Methylnaphthalene	12.322	142	234422	4.426	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.545	142	228474	4.357	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.692	216	131157	4.541	ng/ul	96
40) Hexachlorocyclopentadiene	12.681	237	77742	5.162	ng/ul	100
41) 2,4,6-Trichlorophenol	12.928	196	66241	4.001	ng/ul	96
42) 2,4,5-Trichlorophenol	12.992	196	72452	3.937	ng/ul	99
43) 1,1'-Biphenyl	13.334	154	300437	4.593	ng/ul	99
44) 2-Chloronaphthalene	13.369	162	242708	4.633	ng/ul	99
45) 2-Nitroaniline	13.563	65	41951	3.468	ng/ul	95
47) Dimethylphthalate	13.951	163	270648	4.498	ng/ul	99
48) 2,6-Dinitrotoluene	14.057	165	31050	3.159	ng/ul#	83
50) Acenaphthylene	14.216	152	385862	4.677	ng/ul	100
51) 3-Nitroaniline	14.381	138	37176	3.491	ng/ul#	90
52) Acenaphthene	14.557	153	246503	4.618	ng/ul	99
53) 2,4-Dinitrophenol	14.581	184	21434	4.864	ng/ul#	70
55) 4-Nitrophenol	14.675	109	47213	5.550	ng/ul	92
56) Dibenzofuran	14.892	168	353620	4.601	ng/ul	98
57) 2,4-Dinitrotoluene	14.839	165	49690	3.388	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.110	232	53693	3.777	ng/ul#	96
59) Diethylphthalate	15.310	149	243926	4.314	ng/ul	99
61) Fluorene	15.539	166	284854	4.462	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.533	204	141804	4.346	ng/ul	95
63) 4-Nitroaniline	15.533	138	40060	3.806	ng/ul#	79
66) 4,6-Dinitro-2-methylph...	15.598	198	24415	3.002	ng/ul#	85
67) N-Nitrosodiphenylamine	15.739	169	226505	4.405	ng/ul	100
68) 4-Bromophenyl-phenylether	16.427	248	76563	4.202	ng/ul	98
69) Hexachlorobenzene	16.539	284	98442	4.498	ng/ul	96
70) Atrazine	16.686	200	108677	6.180	ng/ul	98
71) Pentachlorophenol	16.875	266	73619	5.920	ng/ul	100
72) Phenanthrene	17.269	178	435775	4.576	ng/ul	99
74) Anthracene	17.357	178	437349	4.538	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.292	216	126254	4.458	ng/uL	97
76) Pentachlorobenzene	14.810	250	123821	4.643	ng/uL	98
77) Carbazole	17.622	167	373262	4.426	ng/ul	100
78) Di-n-butylphthalate	18.198	149	344058	4.041	ng/ul	98
80) Fluoranthene	19.274	202	441032	4.182	ng/ul	98
82) Pyrene	19.633	202	522425	4.567	ng/ul	98
83) Butylbenzylphthalate	20.533	149	112654	3.491	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.351	252	141223	4.538	ng/ul	97
85) Benzo(a)anthracene	21.433	228	505459	4.515	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.374	149	199727	3.956	ng/ul	96
87) Chrysene	21.492	228	487154	4.603	ng/ul	99
89) Di-n-octyl phthalate	22.527	149	295956	3.288	ng/ul	100
90) Benzo(b)fluoranthene	23.527	252	461508	4.254	ng/ul	99
91) Benzo(k)fluoranthene	23.592	252	466025	4.216	ng/ul	99
93) Benzo(a)pyrene	24.345	252	455754	4.387	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.921	276	570950	4.446	ng/ul	97
95) Dibenzo(a,h)anthracene	27.980	278	469448	4.400	ng/ul	98
96) Benzo(g,h,i)perylene	28.986	276	476225	4.610	ng/ul	95

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

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