

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062525\
 Data File : BN037381.D
 Acq On : 25 Jun 2025 12:16
 Operator : RC/JU
 Sample : Q2117-06
 Misc : MDL-MED-SOIL-4 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-04

Quant Time: Jun 25 12:49:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN062025.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 19 14:59:41 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/25/2025
 Supervised By :Jagrut Upadhyay 06/25/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.558	152	93299	20.000	ng/u1	0.00
20) Naphthalene-d8	10.334	136	302430	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.216	164	217040	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.963	188	426469	20.000	ng/u1	0.00
79) Chrysene-d12	21.198	240	405701	20.000	ng/u1	0.00
88) Perylene-d12	24.039	264	425891	20.000	ng/u1	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.064	96	8339	4.774	ng/uL	0.00
4) Pyridine-d5	3.470	84	81395	17.444	ng/u1	0.00
7) Phenol-d5	6.740	99	89360	16.611	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.905	67	59627	17.787	ng/u1	0.00
11) 2-Chlorophenol-d4	7.093	132	78615	16.485	ng/u1	0.00
15) 4-Methylphenol-d8	8.269	113	70922	16.104	ng/u1	0.00
21) Nitrobenzene-d5	8.710	128	37003	16.696	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	40619	15.027	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	89340	15.237	ng/u1	0.00
31) 4-Chloroaniline-d4	10.481	131	89669	15.217	ng/u1	0.00
46) Dimethylphthalate-d6	13.634	166	260560	16.275	ng/u1	0.00
49) Acenaphthylene-d8	13.904	160	288959	16.406	ng/u1	0.00
54) 4-Nitrophenol-d4	14.422	143	28844	12.131	ng/u1	0.00
60) Fluorene-d10	15.210	176	228345	15.782	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.339	200	36784	12.080	ng/u1	0.00
73) Anthracene-d10	17.063	188	342019	16.229	ng/u1	0.00
81) Pyrene-d10	19.363	212	379885	17.215	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.845	264	355813	16.077	ng/u1	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.099	88	3184m	1.582	ng/uL	
5) Pyridine	3.493	79	23725	4.916	ng/u1#	82
6) Benzaldehyde	6.705	77	19357	6.306	ng/u1	92
8) Phenol	6.763	94	26792	4.864	ng/u1	91
10) Bis(2-Chloroethyl)ether	6.993	93	22271	5.065	ng/u1	92
12) 2-Chlorophenol	7.122	128	22808	4.766	ng/u1	92
13) 2-Methylphenol	8.010	108	18070	4.326	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.087	45	20097	5.434	ng/u1	100
16) Acetophenone	8.381	105	34684	4.818	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.369	70	16320	4.772	ng/u1#	95
18) 4-Methylphenol	8.334	108	19854	4.395	ng/u1	82
19) Hexachloroethane	8.628	117	11277	4.499	ng/u1	87
22) Nitrobenzene	8.752	77	28031	4.666	ng/u1	93
23) Isophorone	9.275	82	41829	4.523	ng/u1	98
25) 2-Nitrophenol	9.457	139	12488	4.564	ng/u1	89
26) 2,4-Dimethylphenol	9.528	107	22962	4.237	ng/u1	94
27) Bis(2-Chloroethoxy)met...	9.763	93	26396	4.752	ng/u1#	94
29) 2,4-Dichlorophenol	9.993	162	26102	4.559	ng/u1	95
30) Naphthalene	10.387	128	71294	4.697	ng/u1	97
32) 4-Chloroaniline	10.504	127	25907	4.432	ng/u1	88
33) Hexachlorobutadiene	10.675	225	25851	4.216	ng/u1	97
34) Caprolactam	11.269	113	5350m	4.451	ng/u1	
35) 4-Chloro-3-methylphenol	11.640	107	17913	3.980	ng/u1	97
36) 2-Methylnaphthalene	12.010	142	51189	4.435	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.234	142	49045	4.316	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.387	216	39307	4.389	ng/ul	98
40) Hexachlorocyclopentadiene	12.363	237	39790	5.808	ng/ul	99
41) 2,4,6-Trichlorophenol	12.634	196	19820	3.924	ng/ul	93
42) 2,4,5-Trichlorophenol	12.704	196	22849	4.024	ng/ul	100
43) 1,1'-Biphenyl	13.040	154	71685	4.619	ng/ul	99
44) 2-Chloronaphthalene	13.075	162	59636	4.658	ng/ul	95
45) 2-Nitroaniline	13.293	65	9369	3.473	ng/ul	100
47) Dimethylphthalate	13.681	163	70949	4.563	ng/ul	99
48) 2,6-Dinitrotoluene	13.798	165	11667	3.755	ng/ul	94
50) Acenaphthylene	13.928	152	90713	4.810	ng/ul	98
51) 3-Nitroaniline	14.128	138	7827m	3.315	ng/ul	
52) Acenaphthene	14.275	153	58912	4.621	ng/ul	98
53) 2,4-Dinitrophenol	14.340	184	10882	5.028	ng/ul	89
55) 4-Nitrophenol	14.440	109	10229	4.213	ng/ul	83
56) Dibenzofuran	14.616	168	90139	4.570	ng/ul	93
57) 2,4-Dinitrotoluene	14.587	165	17790	3.951	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	14.845	232	18345	3.795	ng/ul	98
59) Diethylphthalate	15.051	149	62848	4.299	ng/ul	97
61) Fluorene	15.269	166	70729	4.484	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.269	204	40131	4.110	ng/ul	98
63) 4-Nitroaniline	15.292	138	7946m	3.576	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.351	198	11823	3.776	ng/ul#	96
67) N-Nitrosodiphenylamine	15.481	169	57192	4.822	ng/ul	96
68) 4-Bromophenyl-phenylether	16.163	248	22351	4.259	ng/ul	96
69) Hexachlorobenzene	16.269	284	26019	4.408	ng/ul	95
70) Atrazine	16.439	200	33438	6.245	ng/ul	99
71) Pentachlorophenol	16.616	266	24120	6.138	ng/ul	95
72) Phenanthrene	17.004	178	110370	4.760	ng/ul	98
74) Anthracene	17.098	178	108262	4.606	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.004	216	38222	4.705	ng/uL	99
76) Pentachlorobenzene	14.534	250	35293	4.707	ng/uL	90
77) Carbazole	17.369	167	80341	4.141	ng/ul	98
78) Di-n-butylphthalate	17.945	149	83022	3.968	ng/ul	99
80) Fluoranthene	19.028	202	119619	4.725	ng/ul	98
82) Pyrene	19.392	202	129167	4.846	ng/ul	98
83) Butylbenzylphthalate	20.316	149	30413	3.827	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.116	252	37343	4.515	ng/ul	97
85) Benzo(a)anthracene	21.180	228	123075	4.492	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.122	149	44820	3.767	ng/ul	98
87) Chrysene	21.239	228	118590	4.660	ng/ul	97
89) Di-n-octyl phthalate	22.204	149	66332	3.154	ng/ul	100
90) Benzo(b)fluoranthene	23.151	252	110115	4.181	ng/ul	99
91) Benzo(k)fluoranthene	23.204	252	115939m	4.311	ng/ul	
93) Benzo(a)pyrene	23.904	252	107676	4.351	ng/ul#	99
94) Indeno(1,2,3-cd)pyrene	27.215	276	134553	4.060	ng/ul	97
95) Dibenzo(a,h)anthracene	27.268	278	110162	4.061	ng/ul	97
96) Benzo(g,h,i)perylene	28.203	276	114932	4.214	ng/ul	98

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

