

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062425\
 Data File : BN037371.D
 Acq On : 24 Jun 2025 13:47
 Operator : RC/JU
 Sample : Q2117-05
 Misc : MDL-MED-SOIL-4 PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jun 24 14:48:51 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	84300	20.000	ng/u1	0.00
20) Naphthalene-d8	10.340	136	277252	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.216	164	203421	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.963	188	416209	20.000	ng/u1	0.00
79) Chrysene-d12	21.198	240	383967	20.000	ng/u1	0.00
88) Perylene-d12	24.039	264	394684	20.000	ng/u1	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.064	96	7609	4.821	ng/uL	0.00
4) Pyridine-d5	3.470	84	72585	17.216	ng/u1	0.00
7) Phenol-d5	6.740	99	81621	16.792	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.905	67	54218	17.900	ng/u1	0.00
11) 2-Chlorophenol-d4	7.093	132	70341	16.324	ng/u1	0.00
15) 4-Methylphenol-d8	8.269	113	67696	17.013	ng/u1	0.00
21) Nitrobenzene-d5	8.710	128	33694	16.584	ng/u1	0.00
24) 2-Nitrophenol-d4	9.434	143	38025	15.345	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	82907	15.424	ng/u1	0.00
31) 4-Chloroaniline-d4	10.481	131	85375	15.804	ng/u1	0.00
46) Dimethylphthalate-d6	13.634	166	245875	16.386	ng/u1	0.00
49) Acenaphthylene-d8	13.904	160	274367	16.621	ng/u1	0.00
54) 4-Nitrophenol-d4	14.422	143	26952	12.094	ng/u1	0.00
60) Fluorene-d10	15.210	176	218006	16.076	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.339	200	36266	12.204	ng/u1	0.00
73) Anthracene-d10	17.063	188	328656	15.979	ng/u1	0.00
81) Pyrene-d10	19.363	212	359602	17.218	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.845	264	325143	15.853	ng/u1	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.099	88	2797m	1.538	ng/uL	
5) Pyridine	3.487	79	22085	5.065	ng/u1#	79
6) Benzaldehyde	6.711	77	17708	6.385	ng/u1	96
8) Phenol	6.763	94	24213	4.865	ng/u1	94
10) Bis(2-Chloroethyl)ether	6.993	93	20024	5.040	ng/u1	98
12) 2-Chlorophenol	7.128	128	21464	4.964	ng/u1	98
13) 2-Methylphenol	8.010	108	17285	4.580	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.087	45	17799	5.327	ng/u1	98
16) Acetophenone	8.381	105	32155	4.944	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.369	70	15376	4.976	ng/u1#	90
18) 4-Methylphenol	8.334	108	18899	4.631	ng/u1	93
19) Hexachloroethane	8.628	117	10584	4.673	ng/u1	98
22) Nitrobenzene	8.757	77	26019	4.724	ng/u1	93
23) Isophorone	9.281	82	39052	4.606	ng/u1	98
25) 2-Nitrophenol	9.463	139	11111	4.429	ng/u1#	90
26) 2,4-Dimethylphenol	9.528	107	21918	4.412	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.763	93	24754	4.861	ng/u1	98
29) 2,4-Dichlorophenol	9.993	162	24022	4.577	ng/u1	95
30) Naphthalene	10.387	128	67638	4.861	ng/u1	97
32) 4-Chloroaniline	10.504	127	24236	4.523	ng/u1	96
33) Hexachlorobutadiene	10.675	225	23354	4.155	ng/u1	94
34) Caprolactam	11.281	113	4974	4.514	ng/u1	92
35) 4-Chloro-3-methylphenol	11.640	107	16981	4.116	ng/u1	97
36) 2-Methylnaphthalene	12.010	142	47250	4.465	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.234	142	47067	4.518	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.387	216	36453	4.343	ng/ul	94
40) Hexachlorocyclopentadiene	12.369	237	38294	5.964	ng/ul	98
41) 2,4,6-Trichlorophenol	12.634	196	18611	3.931	ng/ul	95
42) 2,4,5-Trichlorophenol	12.704	196	21093	3.964	ng/ul	91
43) 1,1'-Biphenyl	13.040	154	67486	4.640	ng/ul	98
44) 2-Chloronaphthalene	13.081	162	55052	4.588	ng/ul	98
45) 2-Nitroaniline	13.293	65	8941	3.536	ng/ul	98
47) Dimethylphthalate	13.681	163	68644	4.710	ng/ul	99
48) 2,6-Dinitrotoluene	13.798	165	10714	3.679	ng/ul	94
50) Acenaphthylene	13.934	152	85155	4.818	ng/ul	97
51) 3-Nitroaniline	14.128	138	7013	3.169	ng/ul	97
52) Acenaphthene	14.281	153	55335	4.631	ng/ul	92
53) 2,4-Dinitrophenol	14.340	184	10855	5.351	ng/ul#	76
55) 4-Nitrophenol	14.440	109	9485	4.168	ng/ul#	78
56) Dibenzofuran	14.616	168	84282	4.559	ng/ul	99
57) 2,4-Dinitrotoluene	14.587	165	16909	4.006	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	14.845	232	17122	3.779	ng/ul#	96
59) Diethylphthalate	15.051	149	59521	4.344	ng/ul	98
61) Fluorene	15.269	166	68421	4.628	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.269	204	38827	4.242	ng/ul	96
63) 4-Nitroaniline	15.298	138	7376m	3.542	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.351	198	11508	3.766	ng/ul#	96
67) N-Nitrosodiphenylamine	15.481	169	55563	4.801	ng/ul	93
68) 4-Bromophenyl-phenylether	16.163	248	20665	4.035	ng/ul	96
69) Hexachlorobenzene	16.275	284	25775	4.474	ng/ul	97
70) Atrazine	16.439	200	33120	6.338	ng/ul	98
71) Pentachlorophenol	16.622	266	23297	6.074	ng/ul	96
72) Phenanthrene	17.004	178	107886	4.767	ng/ul	100
74) Anthracene	17.098	178	106786	4.656	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.004	216	34788	4.388	ng/uL	92
76) Pentachlorobenzene	14.540	250	33419	4.567	ng/uL	96
77) Carbazole	17.375	167	78587	4.151	ng/ul	97
78) Di-n-butylphthalate	17.945	149	81713	4.002	ng/ul	98
80) Fluoranthene	19.033	202	111985	4.674	ng/ul	99
82) Pyrene	19.392	202	130303	5.166	ng/ul#	96
83) Butylbenzylphthalate	20.316	149	29988	3.987	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.116	252	33889	4.330	ng/ul	99
85) Benzo(a)anthracene	21.180	228	116606	4.496	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.122	149	43445	3.859	ng/ul	98
87) Chrysene	21.239	228	113025	4.693	ng/ul	99
89) Di-n-octyl phthalate	22.204	149	61707	3.166	ng/ul	100
90) Benzo(b)fluoranthene	23.145	252	104367	4.276	ng/ul	95
91) Benzo(k)fluoranthene	23.210	252	104313	4.186	ng/ul	97
93) Benzo(a)pyrene	23.904	252	97203	4.239	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	27.215	276	124178	4.043	ng/ul	97
95) Dibenzo(a,h)anthracene	27.268	278	95489	3.798	ng/ul	95
96) Benzo(g,h,i)perylene	28.204	276	102996	4.075	ng/ul	98

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

