Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091525\
Data File : BN037718.D
Acq On : 15 Sep 2025 12:17
Operator : RC/JU
Sample : Q2899-03
Misc : MDL-SOIL 4 PPM
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 15 13:27:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091225.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 12 15:43:05 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2025-05

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/16/2025
Supervised By :Jagrut Upadhyay 09/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	220240	20.000	ng/ul	0.00
20) Naphthalene-d8	10.652	136	836444	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.498	164	467629	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.239	188	822500	20.000	ng/ul	0.00
79) Chrysene-d12	21.492	240	819022	20.000	ng/ul	0.00
88) Perylene-d12	24.586	264	865117	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	20876	4.015	ng/uL	0.00
4) Pyridine-d5	3.675	84	216564	14.978	ng/ul	0.00
7) Phenol-d5	6.993	99	228360	13.898	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.164	67	149570	14.763	ng/ul	0.00
11) 2-Chlorophenol-d4	7.369	132	194951	14.377	ng/ul	0.00
15) 4-Methylphenol-d8	8.540	113	180120	13.925	ng/ul	0.00
21) Nitrobenzene-d5	8.999	128	90743	14.385	ng/ul	0.00
24) 2-Nitrophenol-d4	9.722	143	69908	13.545	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.263	165	163960	13.913	ng/ul	0.00
31) 4-Chloroaniline-d4	10.775	131	256427	14.344	ng/ul	0.00
46) Dimethylphthalate-d6	13.904	166	457056	14.638	ng/ul	0.00
49) Acenaphthylene-d8	14.187	160	577527	14.802	ng/ul	0.00
54) 4-Nitrophenol-d4	14.669	143	64171	10.967	ng/ul	0.00
60) Fluorene-d10	15.492	176	407290	14.584	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.598	200	29450	7.942	ng/ul	0.00
73) Anthracene-d10	17.339	188	584454	14.292	ng/ul	0.00
81) Pyrene-d10	19.628	212	622080	14.530	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.363	264	625868	14.329	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.305	88	8979	1.622	ng/uL	90
5) Pyridine	3.699	79	65158	4.361	ng/ul	96
6) Benzaldehyde	6.969	77	47315	6.146	ng/ul	95
8) Phenol	7.016	94	74511	4.357	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.258	93	61196	4.488	ng/ul	97
12) 2-Chlorophenol	7.399	128	61379	4.328	ng/ul	97
13) 2-Methylphenol	8.281	108	49432	3.921	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.369	45	81551	4.342	ng/ul#	96
16) Acetophenone	8.658	105	91853	4.458	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.646	70	39552	4.212	ng/ul	94
18) 4-Methylphenol	8.605	108	55697	4.095	ng/ul	96
19) Hexachloroethane	8.934	117	26818	4.441	ng/ul	100
22) Nitrobenzene	9.040	77	65083	4.509	ng/ul	95
23) Isophorone	9.569	82	100799	4.025	ng/ul#	95
25) 2-Nitrophenol	9.757	139	25029	4.112	ng/ul	95
26) 2,4-Dimethylphenol	9.816	107	55393	3.988	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.057	93	72724	4.357	ng/ul	97
29) 2,4-Dichlorophenol	10.287	162	53116	4.417	ng/ul	99
30) Naphthalene	10.699	128	202505	4.533	ng/ul	98
32) 4-Chloroaniline	10.799	127	78427	4.387	ng/ul	99
33) Hexachlorobutadiene	10.999	225	38834	4.631	ng/ul	96
34) Caprolactam	11.557	113	14665m	4.116	ng/ul	
35) 4-Chloro-3-methylphenol	11.922	107	41982	3.707	ng/ul	97
36) 2-Methylnaphthalene	12.316	142	127849	4.352	ng/ul	93

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Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.534	142	127165	4.377	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.687	216	66482	4.558	ng/ul	98
40) Hexachlorocyclopentadiene	12.675	237	42463	4.541	ng/ul	96
41) 2,4,6-Trichlorophenol	12.922	196	27446	3.478	ng/ul	97
42) 2,4,5-Trichlorophenol	12.987	196	31444	3.434	ng/ul	92
43) 1,1'-Biphenyl	13.328	154	159299	4.423	ng/ul	99
44) 2-Chloronaphthalene	13.369	162	124728	4.399	ng/ul	99
45) 2-Nitroaniline	13.563	65	21881	3.389	ng/ul	96
47) Dimethylphthalate	13.951	163	137522	4.405	ng/ul	99
48) 2,6-Dinitrotoluene	14.063	165	18465	3.308	ng/ul	91
50) Acenaphthylene	14.216	152	204357	4.513	ng/ul	98
51) 3-Nitroaniline	14.387	138	20848	3.485	ng/ul#	91
52) Acenaphthene	14.557	153	130071	4.415	ng/ul	98
53) 2,4-Dinitrophenol	14.593	184	9486	4.021	ng/ul	88
55) 4-Nitrophenol	14.681	109	20957	4.703	ng/ul	91
56) Dibenzofuran	14.893	168	183016	4.553	ng/ul	98
57) 2,4-Dinitrotoluene	14.845	165	28051	3.510	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.116	232	22960	3.586	ng/ul#	96
59) Diethylphthalate	15.322	149	118830	4.006	ng/ul	99
61) Fluorene	15.545	166	143881	4.416	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.545	204	71057	4.533	ng/ul	99
63) 4-Nitroaniline	15.545	138	21464	3.813	ng/ul	88
66) 4,6-Dinitro-2-methylph...	15.610	198	11511	2.779	ng/ul#	93
67) N-Nitrosodiphenylamine	15.751	169	110725	4.197	ng/ul	97
68) 4-Bromophenyl-phenylether	16.439	248	39767	4.299	ng/ul	94
69) Hexachlorobenzene	16.551	284	51768	4.573	ng/ul	99
70) Atrazine	16.704	200	38420	4.334	ng/ul	97
71) Pentachlorophenol	16.887	266	21075	3.391	ng/ul	95
72) Phenanthrene	17.281	178	209346	4.392	ng/ul	100
74) Anthracene	17.375	178	210044	4.346	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.293	216	65034	4.444	ng/uL	93
76) Pentachlorobenzene	14.816	250	63691	4.544	ng/uL	99
77) Carbazole	17.639	167	171630	4.009	ng/ul	99
78) Di-n-butylphthalate	18.222	149	145260	3.344	ng/ul	99
80) Fluoranthene	19.298	202	208267	4.169	ng/ul	98
82) Pyrene	19.657	202	237674	4.473	ng/ul	99
83) Butylbenzylphthalate	20.569	149	40708	2.714	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.392	252	55083	3.482	ng/ul	98
85) Benzo(a)anthracene	21.475	228	218598	4.162	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.416	149	61317	2.711	ng/ul	99
87) Chrysene	21.533	228	211146	4.204	ng/ul	97
89) Di-n-octyl phthalate	22.592	149	81168	1.992	ng/ul	100
90) Benzo(b)fluoranthene	23.604	252	200982	3.935	ng/ul	100
91) Benzo(k)fluoranthene	23.669	252	210020	4.075	ng/ul	98
93) Benzo(a)pyrene	24.433	252	194581	3.975	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.068	276	238505	3.723	ng/ul	97
95) Dibenzo(a,h)anthracene	28.139	278	196031	3.703	ng/ul	98
96) Benzo(g,h,i)perylene	29.151	276	199851	3.808	ng/ul	99

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

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