Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091025\
Data File : BP025708.D
Acq On : 10 Sep 2025 12:37
Operator : CG/JU
Sample : Q2899-06
Misc : MDL-ME-SOIL 4 PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT3-2025-06

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 09/10/2025
Supervised By :Jagrut Upadhyay 09/11/2025

Quant Time: Sep 10 13:04:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP090825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 09 09:26:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	145815	20.000	ng/ul	0.00
20) Naphthalene-d8	10.531	136	591807	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.378	164	415174	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.183	188	884791	20.000	ng/ul	0.00
79) Chrysene-d12	21.624	240	994311	20.000	ng/ul	0.00
88) Perylene-d12	24.995	264	1034123	20.000	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.278	96	12792	3.590	ng/uL	0.00
4) Pyridine-d5	3.696	84	141936	13.743	ng/ul	0.00
7) Phenol-d5	6.955	99	160976	13.667	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.102	67	110156	15.296	ng/ul	0.00
11) 2-Chlorophenol-d4	7.313	132	137341	14.970	ng/ul	0.00
15) 4-Methylphenol-d8	8.472	113	130990	13.432	ng/ul	0.00
21) Nitrobenzene-d5	8.907	128	66266	14.556	ng/ul	0.00
24) 2-Nitrophenol-d4	9.619	143	74411	14.380	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.172	165	127821	13.707	ng/ul	0.01
31) 4-Chloroaniline-d4	10.672	131	185530	14.200	ng/ul	0.01
46) Dimethylphthalate-d6	13.784	166	486859	15.512	ng/ul	0.00
49) Acenaphthylene-d8	14.072	160	527233	15.298	ng/ul	0.00
54) 4-Nitrophenol-d4	14.631	143	79203m	15.213	ng/ul	0.03
60) Fluorene-d10	15.389	176	401703	15.369	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.519	200	69943	11.610	ng/ul	0.00
73) Anthracene-d10	17.289	188	637608	14.974	ng/ul	0.00
81) Pyrene-d10	19.660	212	800435	14.709	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.754	264	838734	15.798	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.314	88	5590	1.484	ng/uL#	83
5) Pyridine	3.714	79	43021	3.999	ng/ul#	77
6) Benzaldehyde	6.919	77	31499	5.806	ng/ul	92
8) Phenol	6.984	94	47335	3.913	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.196	93	40673	4.260	ng/ul	97
12) 2-Chlorophenol	7.343	128	38521	4.113	ng/ul	91
13) 2-Methylphenol	8.213	108	34174	3.685	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.278	45	67424	4.455	ng/ul	99
16) Acetophenone	8.578	105	62131	4.118	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.560	70	33345	4.162	ng/ul	99
18) 4-Methylphenol	8.537	108	38363	3.816	ng/ul	95
19) Hexachloroethane	8.831	117	18645	4.441	ng/ul	97
22) Nitrobenzene	8.949	77	45852	4.161	ng/ul	98
23) Isophorone	9.478	82	91510	4.057	ng/ul	99
25) 2-Nitrophenol	9.654	139	21347	3.965	ng/ul	91
26) 2,4-Dimethylphenol	9.725	107	39597	3.588	ng/ul	96
27) Bis(2-Chloroethoxy)met...	9.943	93	55118	4.257	ng/ul	97
29) 2,4-Dichlorophenol	10.202	162	37222m	4.105	ng/ul	
30) Naphthalene	10.578	128	136815	4.421	ng/ul	99
32) 4-Chloroaniline	10.696	127	51870	3.983	ng/ul	98
33) Hexachlorobutadiene	10.866	225	29397	4.356	ng/ul	99
34) Caprolactam	11.490	113	16080m	4.329	ng/ul	
35) 4-Chloro-3-methylphenol	11.848	107	43404m	4.069	ng/ul	
36) 2-Methylnaphthalene	12.196	142	95541	4.323	ng/ul	98

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.407	142	94932	4.384	ng/ul	94
39)	1,2,4,5-Tetrachloroben...	12.566	216	51883	4.202	ng/ul	94
40)	Hexachlorocyclopentadiene	12.543	237	25162m	4.009	ng/ul	
41)	2,4,6-Trichlorophenol	12.813	196	31153m	3.857	ng/ul	
42)	2,4,5-Trichlorophenol	12.913	196	32788	3.704	ng/ul	95
43)	1,1'-Biphenyl	13.207	154	125333	4.306	ng/ul	98
44)	2-Chloronaphthalene	13.248	162	98214	4.287	ng/ul	98
45)	2-Nitroaniline	13.466	65	28200m	3.879	ng/ul	
47)	Dimethylphthalate	13.831	163	136898	4.447	ng/ul	100
48)	2,6-Dinitrotoluene	13.960	165	23989	3.846	ng/ul	98
50)	Acenaphthylene	14.101	152	169840	4.402	ng/ul	98
51)	3-Nitroaniline	14.301	138	20915	3.772	ng/ul	98
52)	Acenaphthene	14.442	153	110826	4.470	ng/ul	99
53)	2,4-Dinitrophenol	14.519	184	17306m	4.515	ng/ul	
55)	4-Nitrophenol	14.642	109	23954m	5.651	ng/ul	
56)	Dibenzofuran	14.784	168	160139	4.517	ng/ul	96
57)	2,4-Dinitrotoluene	14.760	165	35940	3.848	ng/ul	96
58)	2,3,4,6-Tetrachlorophenol	15.037	232	31710	4.085	ng/ul	99
59)	Diethylphthalate	15.213	149	136778	4.321	ng/ul	99
61)	Fluorene	15.448	166	130008	4.490	ng/ul	100
62)	4-Chlorophenyl-phenyle...	15.442	204	67354	4.543	ng/ul	99
63)	4-Nitroaniline	15.484	138	23717m	4.338	ng/ul	
66)	4,6-Dinitro-2-methylph...	15.531	198	22167	3.633	ng/ul#	80
67)	N-Nitrosodiphenylamine	15.666	169	108382	4.236	ng/ul	99
68)	4-Bromophenyl-phenylether	16.354	248	40165	4.258	ng/ul	99
69)	Hexachlorobenzene	16.478	284	46065	4.260	ng/ul	97
70)	Atrazine	16.642	200	53633	5.108	ng/ul	97
71)	Pentachlorophenol	16.848	266	30407	4.396	ng/ul	98
72)	Phenanthrene	17.231	178	217452	4.479	ng/ul	97
74)	Anthracene	17.331	178	214946	4.367	ng/ul	99
75)	1,2,3,4-Tetrachloroben...	13.178	216	54201	4.156	ng/uL	94
76)	Pentachlorobenzene	14.707	250	55635	4.371	ng/uL	99
77)	Carbazole	17.619	167	179592	4.059	ng/ul	97
78)	Di-n-butylphthalate	18.195	149	238971	4.202	ng/ul	100
80)	Fluoranthene	19.313	202	258182	4.168	ng/ul	99
82)	Pyrene	19.695	202	279802	4.321	ng/ul	99
83)	Butylbenzylphthalate	20.636	149	113093	3.920	ng/ul	95
84)	3,3'-Dichlorobenzidine	21.542	252	78129	3.666	ng/ul	97
85)	Benzo(a)anthracene	21.601	228	283193	4.276	ng/ul	100
86)	Bis(2-ethylhexyl)phtha...	21.542	149	177754	4.193	ng/ul	97
87)	Chrysene	21.677	228	281420	4.515	ng/ul	99
89)	Di-n-octyl phthalate	22.819	149	297303	4.261	ng/ul	100
90)	Benzo(b)fluoranthene	23.930	252	261222	4.315	ng/ul	99
91)	Benzo(k)fluoranthene	23.995	252	290882	4.737	ng/ul	100
93)	Benzo(a)pyrene	24.824	252	261996	4.504	ng/ul	99
94)	Indeno(1,2,3-cd)pyrene	28.806	276	311026m	4.274	ng/ul	
95)	Dibenzo(a,h)anthracene	28.883	278	251863m	4.271	ng/ul	
96)	Benzo(g,h,i)perylene	30.000	276	254720m	4.317	ng/ul	

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

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