Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070125\
Data File : BM050331.D
Acq On : 01 Jul 2025 17:36
Operator : RC/JU
Sample : Q2117-03
Misc : MDL-SOIL-4 PPM
ALS Vial : 11 Sample Multiplier: 1

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

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

Quant Time: Jul 01 18:15:41 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	414347	20.000	ng/ul	0.00
20) Naphthalene-d8	10.669	136	1541856	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.492	164	966143	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.227	188	1917300	20.000	ng/ul	0.00
79) Chrysene-d12	21.450	240	2008252	20.000	ng/ul	0.00
88) Perylene-d12	24.491	264	2098620	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.304	96	42808	4.264	ng/uL	0.00
4) Pyridine-d5	3.716	84	456980	16.815	ng/ul	0.00
7) Phenol-d5	7.022	99	506493	16.861	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.198	67	338674	17.779	ng/ul	0.00
11) 2-Chlorophenol-d4	7.398	132	411917	16.836	ng/ul	0.00
15) 4-Methylphenol-d8	8.563	113	381023	16.649	ng/ul	0.00
21) Nitrobenzene-d5	9.022	128	171768	16.111	ng/ul	0.00
24) 2-Nitrophenol-d4	9.745	143	152138	15.309	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.280	165	376986	15.608	ng/ul	0.00
31) 4-Chloroaniline-d4	10.792	131	536691	16.725	ng/ul	0.00
46) Dimethylphthalate-d6	13.898	166	1063872	16.167	ng/ul	0.00
49) Acenaphthylene-d8	14.186	160	1308255	16.237	ng/ul	0.00
54) 4-Nitrophenol-d4	14.662	143	167174	14.135	ng/ul	0.00
60) Fluorene-d10	15.480	176	982602	16.449	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	85545	10.330	ng/ul	0.00
73) Anthracene-d10	17.327	188	1526589	16.056	ng/ul	0.00
81) Pyrene-d10	19.603	212	1730144	16.127	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.279	264	1734126	16.299	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.340	88	16683m	1.601	ng/uL	
5) Pyridine	3.734	79	142268	5.018	ng/ul#	83
6) Benzaldehyde	7.004	77	99364	5.996	ng/ul	97
8) Phenol	7.045	94	154355	4.904	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.286	93	122461	4.953	ng/ul	98
12) 2-Chlorophenol	7.433	128	123213	4.801	ng/ul	98
13) 2-Methylphenol	8.304	108	103525	4.559	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.398	45	194626	5.040	ng/ul	99
16) Acetophenone	8.686	105	183502	5.002	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.669	70	84218	4.425	ng/ul	97
18) 4-Methylphenol	8.628	108	116378	4.717	ng/ul	99
19) Hexachloroethane	8.957	117	51094	4.829	ng/ul	96
22) Nitrobenzene	9.063	77	131362	4.767	ng/ul	98
23) Isophorone	9.586	82	217927	4.331	ng/ul	99
25) 2-Nitrophenol	9.775	139	50784	4.314	ng/ul#	95
26) 2,4-Dimethylphenol	9.833	107	105500	4.004	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.074	93	149801	4.615	ng/ul	99
29) 2,4-Dichlorophenol	10.304	162	109089	4.537	ng/ul	95
30) Naphthalene	10.716	128	378543	4.774	ng/ul	98
32) 4-Chloroaniline	10.816	127	154094	4.746	ng/ul	99
33) Hexachlorobutadiene	11.010	225	78599	4.655	ng/ul	95
34) Caprolactam	11.563	113	38103m	5.448	ng/ul	
35) 4-Chloro-3-methylphenol	11.933	107	92937	4.227	ng/ul	99
36) 2-Methylnaphthalene	12.327	142	247717	4.492	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.545	142	243313	4.456	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.692	216	136067	4.329	ng/ul#	94
40) Hexachlorocyclopentadiene	12.680	237	83089	5.070	ng/ul	99
41) 2,4,6-Trichlorophenol	12.927	196	70637	3.921	ng/ul	93
42) 2,4,5-Trichlorophenol	12.992	196	78584	3.924	ng/ul	97
43) 1,1'-Biphenyl	13.333	154	320824	4.508	ng/ul	99
44) 2-Chloronaphthalene	13.368	162	258336	4.532	ng/ul	98
45) 2-Nitroaniline	13.563	65	48684	3.699	ng/ul	94
47) Dimethylphthalate	13.951	163	303715	4.639	ng/ul	99
48) 2,6-Dinitrotoluene	14.057	165	36544	3.417	ng/ul#	88
50) Acenaphthylene	14.215	152	417950	4.656	ng/ul	99
51) 3-Nitroaniline	14.380	138	44146	3.810	ng/ul#	95
52) Acenaphthene	14.557	153	268218	4.618	ng/ul	98
53) 2,4-Dinitrophenol	14.586	184	24511	5.112	ng/ul	91
55) 4-Nitrophenol	14.674	109	55695	6.017	ng/ul	91
56) Dibenzofuran	14.892	168	393814	4.709	ng/ul	98
57) 2,4-Dinitrotoluene	14.839	165	57354	3.594	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.115	232	61114	3.951	ng/ul	98
59) Diethylphthalate	15.309	149	275864	4.483	ng/ul	99
61) Fluorene	15.539	166	319575	4.601	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.533	204	160126	4.510	ng/ul	96
63) 4-Nitroaniline	15.533	138	47048	4.108	ng/ul#	83
66) 4,6-Dinitro-2-methylph...	15.598	198	29474	3.162	ng/ul#	92
67) N-Nitrosodiphenylamine	15.739	169	256970	4.361	ng/ul	99
68) 4-Bromophenyl-phenylether	16.427	248	86521	4.144	ng/ul	99
69) Hexachlorobenzene	16.539	284	110946	4.424	ng/ul	97
70) Atrazine	16.686	200	131759	6.538	ng/ul	97
71) Pentachlorophenol	16.874	266	84765	5.948	ng/ul	98
72) Phenanthrene	17.268	178	498752	4.570	ng/ul	99
74) Anthracene	17.356	178	492370	4.458	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.298	216	134958	4.158	ng/uL	98
76) Pentachlorobenzene	14.815	250	135935	4.448	ng/uL	98
77) Carbazole	17.621	167	428453	4.434	ng/ul	98
78) Di-n-butylphthalate	18.197	149	409999	4.202	ng/ul	99
80) Fluoranthene	19.274	202	516290	4.183	ng/ul	99
82) Pyrene	19.633	202	605221	4.520	ng/ul	98
83) Butylbenzylphthalate	20.533	149	137067	3.630	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.350	252	161156	4.425	ng/ul	98
85) Benzo(a)anthracene	21.433	228	591285	4.512	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.374	149	237960	4.027	ng/ul	98
87) Chrysene	21.491	228	565795	4.568	ng/ul	99
89) Di-n-octyl phthalate	22.527	149	344762	3.284	ng/ul	100
90) Benzo(b)fluoranthene	23.527	252	533118	4.213	ng/ul	98
91) Benzo(k)fluoranthene	23.591	252	545227	4.229	ng/ul	98
93) Benzo(a)pyrene	24.344	252	529859	4.372	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.915	276	655149	4.373	ng/ul	100
95) Dibenzo(a,h)anthracene	27.979	278	537786	4.322	ng/ul	97
96) Benzo(g,h,i)perylene	28.985	276	542616	4.503	ng/ul	98

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

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