Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010923\
Data File : BP013417.D
Acq On : 09 Jan 2023 13:42
Operator : CG/JU
Sample : N4239-06
Misc : SFAM-MDL-MES-02-4PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 01/10/2023
Supervised By :mohammad ahmed 01/12/2023

Quant Time: Jan 09 14:10:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP010523.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 06 01:03:32 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	563547	20.000	ng/ul	0.00
20) Naphthalene-d8	10.728	136	2311972	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.563	164	1516938	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.322	188	3451848	20.000	ng/ul	0.00
79) Chrysene-d12	21.410	240	3548099	20.000	ng/ul	0.00
88) Perylene-d12	23.874	264	3861908	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.311	96	59297	4.090	ng/uL	0.00
4) Pyridine-d5	3.740	84	521270	12.891	ng/ul	0.00
7) Phenol-d5	7.075	99	800889	17.127	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.246	67	550532	18.661	ng/ul	0.00
11) 2-Chlorophenol-d4	7.446	132	645404	18.507	ng/ul	0.00
15) 4-Methylphenol-d8	8.628	113	616983	17.318	ng/ul	0.00
21) Nitrobenzene-d5	9.087	128	298769	18.149	ng/ul	0.00
24) 2-Nitrophenol-d4	9.810	143	334204	18.546	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.346	165	642015	17.877	ng/ul	0.00
31) 4-Chloroaniline-d4	10.869	131	856553	16.930	ng/ul	0.00
46) Dimethylphthalate-d6	13.969	166	2042662	18.482	ng/ul	0.00
49) Acenaphthylene-d8	14.257	160	2204351	18.019	ng/ul	0.00
54) 4-Nitrophenol-d4	14.763	143	317751	15.707	ng/ul	0.00
60) Fluorene-d10	15.557	176	1779110	18.225	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.681	200	337190	15.406	ng/ul	0.00
73) Anthracene-d10	17.422	188	2744634	17.989	ng/ul	0.00
81) Pyrene-d10	19.651	212	3478008	18.017	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.715	264	3529345	18.605	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.346	88	19519	1.222	ng/uL	93
5) Pyridine	3.764	79	135343	3.310	ng/ul#	83
6) Benzaldehyde	7.058	77	96550m	5.413	ng/ul	
8) Phenol	7.105	94	193507	4.000	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.340	93	165791	4.334	ng/ul	98
12) 2-Chlorophenol	7.475	128	153356	4.221	ng/ul	99
13) 2-Methylphenol	8.363	108	126998	3.655	ng/ul	90
14) 2,2'-oxybis(1-Chloropr...	8.446	45	270076	4.575	ng/ul	99
16) Acetophenone	8.746	105	235784	4.193	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.728	70	117088	4.356	ng/ul	98
18) 4-Methylphenol	8.693	108	149967	3.927	ng/ul	98
19) Hexachloroethane	8.999	117	62203	4.249	ng/ul	97
22) Nitrobenzene	9.128	77	180061	4.191	ng/ul	97
23) Isophorone	9.652	82	300458	3.996	ng/ul	99
25) 2-Nitrophenol	9.840	139	82618	4.217	ng/ul	98
26) 2,4-Dimethylphenol	9.899	107	148501	3.633	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.140	93	216139	4.350	ng/ul	100
29) 2,4-Dichlorophenol	10.375	162	148406	4.130	ng/ul	94
30) Naphthalene	10.781	128	512778	4.169	ng/ul	99
32) 4-Chloroaniline	10.893	127	199297	3.918	ng/ul	98
33) Hexachlorobutadiene	11.057	225	110962	4.301	ng/ul	98
34) Caprolactam	11.693	113	39478m	3.693	ng/ul	
35) 4-Chloro-3-methylphenol	12.016	107	130113	3.752	ng/ul	98
36) 2-Methylnaphthalene	12.387	142	336120	4.273	ng/ul	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.604	142	296602	3.635	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.751	216	207011	3.981	ng/ul	98
40) Hexachlorocyclopentadiene	12.728	237	98461	3.147	ng/ul	94
41) 2,4,6-Trichlorophenol	12.993	196	111490	3.644	ng/ul	99
42) 2,4,5-Trichlorophenol	13.069	196	120735	3.627	ng/ul	96
43) 1,1'-Biphenyl	13.392	154	463638	4.026	ng/ul	99
44) 2-Chloronaphthalene	13.440	162	365216	3.930	ng/ul	98
45) 2-Nitroaniline	13.645	65	75455m	3.355	ng/ul	
47) Dimethylphthalate	14.016	163	464148	4.204	ng/ul	99
48) 2,6-Dinitrotoluene	14.140	165	65118	3.406	ng/ul	95
50) Acenaphthylene	14.287	152	555461	4.120	ng/ul	100
51) 3-Nitroaniline	14.475	138	61802	3.052	ng/ul#	94
52) Acenaphthene	14.628	153	389548	4.037	ng/ul	100
53) 2,4-Dinitrophenol	14.681	184	65262	4.585	ng/ul	97
55) 4-Nitrophenol	14.775	109	57460	3.737	ng/ul	94
56) Dibenzofuran	14.963	168	566417	4.087	ng/ul	100
57) 2,4-Dinitrotoluene	14.928	165	100429	3.533	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.187	232	107237	3.693	ng/ul	97
59) Diethylphthalate	15.381	149	432172	4.182	ng/ul	99
61) Fluorene	15.610	166	459791	4.156	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.604	204	246670	4.270	ng/ul	96
63) 4-Nitroaniline	15.634	138	66126m	3.531	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.692	198	97531	4.514	ng/ul#	90
67) N-Nitrosodiphenylamine	15.822	169	368388	3.946	ng/ul	99
68) 4-Bromophenyl-phenylether	16.504	248	140652	3.934	ng/ul	97
69) Hexachlorobenzene	16.616	284	174730	4.053	ng/ul	98
70) Atrazine	16.775	200	158283	4.435	ng/ul	98
71) Pentachlorophenol	16.969	266	96670	3.767	ng/ul	96
72) Phenanthrene	17.363	178	747324	4.072	ng/ul	100
74) Anthracene	17.457	178	712916	3.933	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.357	216	180088	3.455	ng/uL	98
76) Pentachlorobenzene	14.881	250	171502	3.379	ng/uL	98
77) Carbazole	17.728	167	595707	3.794	ng/ul	99
78) Di-n-butylphthalate	18.269	149	645484	4.192	ng/ul	100
80) Fluoranthene	19.327	202	862093	3.902	ng/ul	99
82) Pyrene	19.680	202	966554	4.129	ng/ul	98
83) Butylbenzylphthalate	20.545	149	271972	3.828	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.327	252	229209	3.505	ng/ul	98
85) Benzo(a)anthracene	21.392	228	943824	4.017	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.304	149	423129	4.276	ng/ul	99
87) Chrysene	21.445	228	933910	4.078	ng/ul	100
89) Di-n-octyl phthalate	22.251	149	669220	4.043	ng/ul	100
90) Benzo(b)fluoranthene	23.116	252	984416	4.031	ng/ul	98
91) Benzo(k)fluoranthene	23.168	252	971805	4.170	ng/ul	100
93) Benzo(a)pyrene	23.763	252	920392	4.292	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.439	276	1184559	3.987	ng/ul	99
95) Dibenzo(a,h)anthracene	26.456	278	985905	3.978	ng/ul	100
96) Benzo(g,h,i)perylene	27.233	276	945374	3.868	ng/ul	99

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

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