Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010423\
Data File : BP013387.D
Acq On : 04 Jan 2023 13:06
Operator : CG/JU
Sample : N5388-04
Misc : SFAM-MDL-S-02-4PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT4-2022-08

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/05/2023
Supervised By :mohammad ahmed 01/05/2023

Quant Time: Jan 05 04:06:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120722.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 05 04:02:47 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	548916	20.000	ng/ul	0.00
20) Naphthalene-d8	10.740	136	2320726	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.569	164	1554043	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.328	188	3484992	20.000	ng/ul	0.00
79) Chrysene-d12	21.410	240	3131578	20.000	ng/ul	0.00
88) Perylene-d12	23.874	264	2732110	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.322	96	62740	4.887	ng/uL	0.00
4) Pyridine-d5	3.752	84	533591	14.631	ng/ul	0.00
7) Phenol-d5	7.087	99	844700	18.893	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.252	67	560687	20.788	ng/ul	0.00
11) 2-Chlorophenol-d4	7.452	132	677309	19.244	ng/ul	0.00
15) 4-Methylphenol-d8	8.634	113	674488	18.411	ng/ul	0.00
21) Nitrobenzene-d5	9.093	128	320654	18.806	ng/ul	0.00
24) 2-Nitrophenol-d4	9.816	143	358375	18.669	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.357	165	684190	18.350	ng/ul	0.00
31) 4-Chloroaniline-d4	10.875	131	950276	18.053	ng/ul	0.00
46) Dimethylphthalate-d6	13.975	166	2199600	18.417	ng/ul	0.00
49) Acenaphthylene-d8	14.263	160	2438245	18.579	ng/ul	0.00
54) 4-Nitrophenol-d4	14.769	143	345097	16.063	ng/ul	0.00
60) Fluorene-d10	15.563	176	1923708	19.039	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.686	200	352661	15.725	ng/ul	0.00
73) Anthracene-d10	17.428	188	3030576	19.276	ng/ul	0.00
81) Pyrene-d10	19.657	212	3554528	19.775	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.715	264	2622641	19.259	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.358	88	19420	1.449	ng/uL#	92
5) Pyridine	3.775	79	148790	4.105	ng/ul#	76
6) Benzaldehyde	7.063	77	100059	5.715	ng/ul	94
8) Phenol	7.116	94	223223	4.938	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.346	93	189005	5.094	ng/ul	92
12) 2-Chlorophenol	7.487	128	177676	4.923	ng/ul	93
13) 2-Methylphenol	8.369	108	155684	4.417	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.452	45	298015	5.853	ng/ul	97
16) Acetophenone	8.757	105	283230	5.042	ng/ul#	93
17) N-Nitroso-di-n-propyla...	8.734	70	140958	4.990	ng/ul	90
18) 4-Methylphenol	8.699	108	180978	4.636	ng/ul	99
19) Hexachloroethane	9.004	117	71662	4.968	ng/ul	86
22) Nitrobenzene	9.134	77	220709	5.516	ng/ul	93
23) Isophorone	9.663	82	363084	4.488	ng/ul	97
25) 2-Nitrophenol	9.851	139	98119	4.717	ng/ul#	87
26) 2,4-Dimethylphenol	9.904	107	196696	4.847	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.146	93	248917	4.812	ng/ul	98
29) 2,4-Dichlorophenol	10.387	162	179221	4.907	ng/ul	99
30) Naphthalene	10.787	128	607949	5.009	ng/ul	99
32) 4-Chloroaniline	10.899	127	245322	4.710	ng/ul	98
33) Hexachlorobutadiene	11.069	225	130216	5.193	ng/ul	98
34) Caprolactam	11.704	113	50222m	4.033	ng/ul	
35) 4-Chloro-3-methylphenol	12.022	107	164548	4.415	ng/ul	99
36) 2-Methylnaphthalene	12.393	142	396101	4.757	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.616	142	315146	3.680	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.763	216	245612	4.908	ng/ul	99
40) Hexachlorocyclopentadiene	12.734	237	124811	3.833	ng/ul	97
41) 2,4,6-Trichlorophenol	13.004	196	137070	4.262	ng/ul	97
42) 2,4,5-Trichlorophenol	13.075	196	147274	4.263	ng/ul	97
43) 1,1'-Biphenyl	13.404	154	553005	4.738	ng/ul	99
44) 2-Chloronaphthalene	13.445	162	439232	4.782	ng/ul	98
45) 2-Nitroaniline	13.657	65	95683	4.296	ng/ul	90
47) Dimethylphthalate	14.022	163	553588	4.676	ng/ul	99
48) 2,6-Dinitrotoluene	14.145	165	81790	3.718	ng/ul#	86
50) Acenaphthylene	14.292	152	682167	4.835	ng/ul	99
51) 3-Nitroaniline	14.481	138	80222	3.862	ng/ul	89
52) Acenaphthene	14.634	153	470519	4.812	ng/ul	99
53) 2,4-Dinitrophenol	14.687	184	70800	4.708	ng/ul	91
55) 4-Nitrophenol	14.787	109	69309	4.728	ng/ul	89
56) Dibenzofuran	14.969	168	684693	4.925	ng/ul	100
57) 2,4-Dinitrotoluene	14.939	165	129827	4.063	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.198	232	133096	4.222	ng/ul	95
59) Diethylphthalate	15.387	149	496533	4.315	ng/ul	99
61) Fluorene	15.622	166	551703	4.949	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.610	204	293597	4.980	ng/ul	99
63) 4-Nitroaniline	15.645	138	80284	4.392	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.698	198	114712	5.234	ng/ul#	87
67) N-Nitrosodiphenylamine	15.828	169	448214	4.639	ng/ul	100
68) 4-Bromophenyl-phenylether	16.510	248	172441	4.556	ng/ul	98
69) Hexachlorobenzene	16.628	284	208652	4.643	ng/ul	98
70) Atrazine	16.781	200	138638	3.682	ng/ul	98
71) Pentachlorophenol	16.975	266	116288	4.273	ng/ul	98
72) Phenanthrene	17.369	178	887810	4.891	ng/ul	100
74) Anthracene	17.463	178	885125	4.884	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.369	216	194850	3.919	ng/uL	98
76) Pentachlorobenzene	14.887	250	187951	3.708	ng/uL	100
77) Carbazole	17.733	167	717997	4.704	ng/ul	100
78) Di-n-butylphthalate	18.275	149	702559	3.780	ng/ul	99
80) Fluoranthene	19.333	202	1012538	4.963	ng/ul	99
82) Pyrene	19.686	202	1100125	5.227	ng/ul	99
83) Butylbenzylphthalate	20.551	149	276616	3.402	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.327	252	317583	4.489	ng/ul	99
85) Benzo(a)anthracene	21.398	228	975749	4.694	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.310	149	363465	3.169	ng/ul	98
87) Chrysene	21.451	228	921123	4.685	ng/ul	98
89) Di-n-octyl phthalate	22.251	149	541590	3.538	ng/ul	100
90) Benzo(b)fluoranthene	23.121	252	854205	4.903	ng/ul	98
91) Benzo(k)fluoranthene	23.168	252	813358	4.708	ng/ul	98
93) Benzo(a)pyrene	23.768	252	741678	4.889	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.445	276	781017	4.133	ng/ul	98
95) Dibenzo(a,h)anthracene	26.462	278	651316	4.163	ng/ul	97
96) Benzo(g,h,i)perylene	27.233	276	641868	4.231	ng/ul	99

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

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