Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022223\
Data File : BP013871.D
Acq On : 22 Feb 2023 11:16
Operator : CG/JU
Sample : 01378-04
Misc : SFAM-MDL-SOIL-02
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 23 03:15:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP020723.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 22 01:41:33 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT1-2023-02

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
02/27/2023
Supervised By :Jagrut Upadhyay
02/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.104	152	192205	20.000	ng/ul	0.00
20) Naphthalene-d8	10.928	136	818260	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.739	164	585522	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.492	188	1415393	20.000	ng/ul	0.00
79) Chrysene-d12	21.569	240	1463687	20.000	ng/ul	0.00
88) Perylene-d12	24.121	264	1479619	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.452	96	17090	3.685	ng/uL	0.00
4) Pyridine-d5	3.887	84	150399	10.940	ng/ul	0.00
7) Phenol-d5	7.252	99	296831	17.333	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.422	67	176033	17.542	ng/ul	0.00
11) 2-Chlorophenol-d4	7.628	132	231921	18.397	ng/ul	0.00
15) 4-Methylphenol-d8	8.810	113	242498	17.325	ng/ul	0.00
21) Nitrobenzene-d5	9.275	128	115868	20.352	ng/ul	0.00
24) 2-Nitrophenol-d4	10.004	143	133811	20.356	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.540	165	250865	18.727	ng/ul	0.00
31) 4-Chloroaniline-d4	11.063	131	334600	17.621	ng/ul	0.00
46) Dimethylphthalate-d6	14.139	166	839146	18.196	ng/ul	0.00
49) Acenaphthylene-d8	14.434	160	923446	18.498	ng/ul	0.00
54) 4-Nitrophenol-d4	14.922	143	138937	16.911	ng/ul	0.00
60) Fluorene-d10	15.734	176	739318	18.821	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.845	200	150460	17.327	ng/ul	0.00
73) Anthracene-d10	17.592	188	1159904	17.922	ng/ul	0.00
81) Pyrene-d10	19.810	212	1471608	17.729	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.951	264	1401547	18.904	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.493	88	6087	1.223	ng/uL#	95
5) Pyridine	3.911	79	59847	4.405	ng/ul	89
6) Benzaldehyde	7.234	77	37145	4.810	ng/ul	95
8) Phenol	7.275	94	71789	4.084	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.516	93	57681	4.095	ng/ul	95
12) 2-Chlorophenol	7.663	128	54876	4.242	ng/ul	97
13) 2-Methylphenol	8.546	108	51105	3.809	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.640	45	63245	3.947	ng/ul	93
16) Acetophenone	8.934	105	93095	4.147	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.910	70	44914	4.029	ng/ul	98
18) 4-Methylphenol	8.875	108	57982	3.914	ng/ul	92
19) Hexachloroethane	9.193	117	22993	4.341	ng/ul	99
22) Nitrobenzene	9.316	77	67449	4.503	ng/ul	98
23) Isophorone	9.846	82	130162	4.119	ng/ul	98
25) 2-Nitrophenol	10.034	139	32191	4.518	ng/ul	95
26) 2,4-Dimethylphenol	10.087	107	58724	3.702	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.328	93	77211	4.046	ng/ul	98
29) 2,4-Dichlorophenol	10.569	162	59292	4.496	ng/ul	100
30) Naphthalene	10.981	128	187250	4.299	ng/ul	99
32) 4-Chloroaniline	11.087	127	76968	4.021	ng/ul	98
33) Hexachlorobutadiene	11.263	225	46342	4.988	ng/ul	98
34) Caprolactam	11.875	113	21485m	4.643	ng/ul	
35) 4-Chloro-3-methylphenol	12.198	107	64769	4.254	ng/ul	99
36) 2-Methylnaphthalene	12.575	142	133995	4.375	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.792	142	125754	3.974	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.940	216	87117	4.721	ng/ul	98
40) Hexachlorocyclopentadiene	12.916	237	47145	3.979	ng/ul	98
41) 2,4,6-Trichlorophenol	13.175	196	52538	4.339	ng/ul	97
42) 2,4,5-Trichlorophenol	13.245	196	54617	4.167	ng/ul	99
43) 1,1'-Biphenyl	13.575	154	190765	4.342	ng/ul	100
44) 2-Chloronaphthalene	13.622	162	150516	4.355	ng/ul	99
45) 2-Nitroaniline	13.822	65	32948	3.958	ng/ul	93
47) Dimethylphthalate	14.187	163	194173	4.245	ng/ul	99
48) 2,6-Dinitrotoluene	14.310	165	32205	4.030	ng/ul	94
50) Acenaphthylene	14.463	152	227062	4.216	ng/ul	99
51) 3-Nitroaniline	14.645	138	29537	3.738	ng/ul	99
52) Acenaphthene	14.804	153	161914	4.296	ng/ul	96
53) 2,4-Dinitrophenol	14.845	184	26302	4.615	ng/ul	97
55) 4-Nitrophenol	14.939	109	29520	4.095	ng/ul	97
56) Dibenzofuran	15.139	168	238939	4.421	ng/ul	99
57) 2,4-Dinitrotoluene	15.098	165	51910	4.357	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.363	232	53874	4.361	ng/ul	98
59) Diethylphthalate	15.545	149	198300	4.317	ng/ul	99
61) Fluorene	15.786	166	196254	4.451	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.775	204	105763	4.614	ng/ul	97
63) 4-Nitroaniline	15.804	138	31870	4.260	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.857	198	42057	4.940	ng/ul#	84
67) N-Nitrosodiphenylamine	15.986	169	165382	4.299	ng/ul	100
68) 4-Bromophenyl-phenylether	16.675	248	68943	4.612	ng/ul	97
69) Hexachlorobenzene	16.792	284	80797	4.639	ng/ul	96
70) Atrazine	16.939	200	71276	4.633	ng/ul	98
71) Pentachlorophenol	17.139	266	52170	4.603	ng/ul	98
72) Phenanthrene	17.539	178	322425	4.305	ng/ul	99
74) Anthracene	17.628	178	318695	4.229	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.545	216	79620	4.214	ng/uL	98
76) Pentachlorobenzene	15.057	250	79947	4.100	ng/uL	98
77) Carbazole	17.892	167	282757	4.260	ng/ul	99
78) Di-n-butylphthalate	18.422	149	331115	4.113	ng/ul	99
80) Fluoranthene	19.486	202	399602	4.205	ng/ul	99
82) Pyrene	19.839	202	423626	4.181	ng/ul	96
83) Butylbenzylphthalate	20.692	149	143196	4.130	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.474	252	111997	3.400	ng/ul	98
85) Benzo(a)anthracene	21.551	228	427463	4.274	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.451	149	230585	4.343	ng/ul#	97
87) Chrysene	21.610	228	408939	4.334	ng/ul	98
89) Di-n-octyl phthalate	22.421	149	376995	3.703	ng/ul	100
90) Benzo(b)fluoranthene	23.333	252	417197	4.228	ng/ul	98
91) Benzo(k)fluoranthene	23.386	252	408554	4.174	ng/ul	98
93) Benzo(a)pyrene	24.004	252	362649	4.337	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.804	276	448701	4.784	ng/ul	96
95) Dibenzo(a,h)anthracene	26.821	278	375050	4.787	ng/ul	98
96) Benzo(g,h,i)perylene	27.633	276	360256	4.824	ng/ul	96

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

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