Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101323\
Data File : BP017667.D
Acq On : 13 Oct 2023 15:42
Operator : MA/JU
Sample : 02215-03
Misc : SFAM-MDL-SOIL-01
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 14 01:31:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 12 16:14:36 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT2-2023-03

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	80142	20.000	ng/ul	0.01
20) Naphthalene-d8	10.752	136	313084	20.000	ng/ul	0.01
38) Acenaphthene-d10	14.616	164	194363	20.000	ng/ul	0.01
64) Phenanthrene-d10	17.410	188	450769	20.000	ng/ul	0.01
79) Chrysene-d12	21.551	240	510428	20.000	ng/ul	0.00
88) Perylene-d12	24.127	264	592042	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.270	96	13552	6.234	ng/uL	0.00
4) Pyridine-d5	3.705	84	159504	26.545	ng/ul	0.00
7) Phenol-d5	7.075	99	180933	24.250	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.258	67	112020	24.757	ng/ul	0.00
11) 2-Chlorophenol-d4	7.434	132	144829	25.077	ng/ul	0.01
15) 4-Methylphenol-d8	8.640	113	135525	22.741	ng/ul	0.01
21) Nitrobenzene-d5	9.128	128	67005	25.480	ng/ul	0.01
24) 2-Nitrophenol-d4	9.846	143	70815	23.946	ng/ul	0.02
28) 2,4-Dichlorophenol-d3	10.375	165	130579	23.493	ng/ul	0.02
31) 4-Chloroaniline-d4	10.928	131	188938	23.716	ng/ul	0.02
46) Dimethylphthalate-d6	14.034	166	423896	25.182	ng/ul	0.01
49) Acenaphthylene-d8	14.316	160	455115	25.107	ng/ul	0.01
54) 4-Nitrophenol-d4	14.869	143	58172	20.663	ng/ul	0.02
60) Fluorene-d10	15.622	176	387702	27.076	ng/ul	0.01
65) 4,6-Dinitro-2-methylph...	15.769	200	54000	16.949	ng/ul	0.01
73) Anthracene-d10	17.510	188	603890	25.951	ng/ul	0.01
81) Pyrene-d10	19.769	212	764423	24.883	ng/ul	0.01
92) Benzo(a)pyrene-d12	23.957	264	882339	26.547	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.305	88	2636	1.143	ng/uL	96
5) Pyridine	3.728	79	24579	3.983	ng/ul#	57
6) Benzaldehyde	7.081	77	20696	5.476	ng/ul	98
8) Phenol	7.099	94	29180	3.941	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.352	93	24260	4.083	ng/ul	95
12) 2-Chlorophenol	7.469	128	23183	4.018	ng/ul	93
13) 2-Methylphenol	8.369	108	18068	3.278	ng/ul	92
14) 2,2'-oxybis(1-Chloropr...	8.440	45	30580	3.989	ng/ul	97
16) Acetophenone	8.775	105	34578	3.729	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.740	70	17312	3.689	ng/ul#	92
18) 4-Methylphenol	8.705	108	20740	3.461	ng/ul	97
19) Hexachloroethane	8.981	117	10855	4.211	ng/ul	96
22) Nitrobenzene	9.169	77	29161	4.317	ng/ul	96
23) Isophorone	9.681	82	41962	3.445	ng/ul#	97
25) 2-Nitrophenol	9.881	139	13655	4.340	ng/ul	95
26) 2,4-Dimethylphenol	9.922	107	23819	3.810	ng/ul	93
27) Bis(2-Chloroethoxy)met...	10.175	93	29818	4.007	ng/ul	98
29) 2,4-Dichlorophenol	10.405	162	22086	4.118	ng/ul	97
30) Naphthalene	10.804	128	77071	4.234	ng/ul	98
32) 4-Chloroaniline	10.952	127	29394	3.859	ng/ul	96
33) Hexachlorobutadiene	11.028	225	17867	4.308	ng/ul	95
34) Caprolactam	11.793	113	10849m	6.614	ng/ul	
35) 4-Chloro-3-methylphenol	12.075	107	17842	3.153	ng/ul	99
36) 2-Methylnaphthalene	12.428	142	48235	3.870	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.646	142	50665	4.005	ng/ul#	96
39) 1,2,4,5-Tetrachloroben...	12.775	216	31269	4.410	ng/ul	98
40) Hexachlorocyclopentadiene	12.716	237	13340	4.188	ng/ul	89
41) 2,4,6-Trichlorophenol	13.046	196	14633	3.351	ng/ul	96
42) 2,4,5-Trichlorophenol	13.128	196	15614m	3.387	ng/ul	
43) 1,1'-Biphenyl	13.445	154	68280	4.286	ng/ul	98
44) 2-Chloronaphthalene	13.493	162	53449	4.194	ng/ul	98
45) 2-Nitroaniline	13.746	65	10861	3.083	ng/ul	95
47) Dimethylphthalate	14.081	163	68381	4.114	ng/ul	97
48) 2,6-Dinitrotoluene	14.234	165	9533	3.099	ng/ul	94
50) Acenaphthylene	14.345	152	85079	4.149	ng/ul	99
51) 3-Nitroaniline	14.587	138	8970m	2.891	ng/ul	
52) Acenaphthene	14.687	153	55984	4.105	ng/ul	98
53) 2,4-Dinitrophenol	14.804	184	7809	4.110	ng/ul	97
55) 4-Nitrophenol	14.892	109	8070m	3.060	ng/ul	
56) Dibenzofuran	15.028	168	80826	4.131	ng/ul	95
57) 2,4-Dinitrotoluene	15.034	165	15027	3.164	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.251	232	14668	3.440	ng/ul#	94
59) Diethylphthalate	15.445	149	62452	3.745	ng/ul	99
61) Fluorene	15.681	166	67293	4.171	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.675	204	36048	4.202	ng/ul	97
63) 4-Nitroaniline	15.769	138	10896m	3.534	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.787	198	10525m	3.154	ng/ul	
67) N-Nitrosodiphenylamine	15.904	169	52178	3.874	ng/ul	96
68) 4-Bromophenyl-phenylether	16.587	248	21575	3.969	ng/ul	99
69) Hexachlorobenzene	16.663	284	27212	4.207	ng/ul	98
70) Atrazine	16.869	200	16985	3.258	ng/ul	95
71) Pentachlorophenol	17.045	266	15074	3.848	ng/ul	90
72) Phenanthrene	17.451	178	110119	4.152	ng/ul	99
74) Anthracene	17.551	178	110175	4.107	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.398	216	29054	4.085	ng/uL	96
76) Pentachlorobenzene	14.916	250	33474	4.586	ng/uL	96
77) Carbazole	17.845	167	87512	3.602	ng/ul	98
78) Di-n-butylphthalate	18.351	149	91721	3.066	ng/ul	99
80) Fluoranthene	19.439	202	133805	3.811	ng/ul	99
82) Pyrene	19.798	202	148580	4.051	ng/ul	99
83) Butylbenzylphthalate	20.669	149	38276	2.682	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.486	252	38581	2.951	ng/ul	98
85) Benzo(a)anthracene	21.539	228	153549	3.923	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.416	149	53533	2.481	ng/ul	98
87) Chrysene	21.592	228	150117	4.156	ng/ul	97
89) Di-n-octyl phthalate	22.404	149	91971	2.379	ng/ul	100
90) Benzo(b)fluoranthene	23.327	252	161781	4.013	ng/ul	99
91) Benzo(k)fluoranthene	23.380	252	158712m	3.957	ng/ul	
93) Benzo(a)pyrene	24.010	252	148136	3.946	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	26.874	276	185653	4.032	ng/ul	99
95) Dibenzo(a,h)anthracene	26.904	278	155686	4.035	ng/ul	99
96) Benzo(g,h,i)perylene	27.727	276	154807	4.228	ng/ul#	94

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

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