Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP123022\
Data File : BP013371.D
Acq On : 30 Dec 2022 14:32
Operator : CG/JU
Sample : N5388-05
Misc : SFAM-MDL-MES-01-4NG
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 30 23:37:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120722.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 28 00:16:35 2022
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	467448	20.000	ng/ul	0.00
20) Naphthalene-d8	10.740	136	2071629	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.569	164	1498948	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.328	188	3515831	20.000	ng/ul	0.00
79) Chrysene-d12	21.416	240	3300654	20.000	ng/ul	0.00
88) Perylene-d12	23.880	264	2964307	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.323	96	54496	4.985	ng/uL	0.00
4) Pyridine-d5	3.746	84	559362	18.011	ng/ul	0.00
7) Phenol-d5	7.087	99	666575	17.507	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.252	67	457941	19.938	ng/ul	0.00
11) 2-Chlorophenol-d4	7.458	132	538759	17.975	ng/ul	0.00
15) 4-Methylphenol-d8	8.640	113	559535	17.935	ng/ul	0.00
21) Nitrobenzene-d5	9.099	128	271115	17.812	ng/ul	0.00
24) 2-Nitrophenol-d4	9.822	143	300925	17.561	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.357	165	579702	17.417	ng/ul	0.00
31) 4-Chloroaniline-d4	10.881	131	823289	17.521	ng/ul	0.00
46) Dimethylphthalate-d6	13.981	166	2102081	18.247	ng/ul	0.00
49) Acenaphthylene-d8	14.263	160	2249679	17.772	ng/ul	0.00
54) 4-Nitrophenol-d4	14.769	143	304337	14.686	ng/ul	-0.01
60) Fluorene-d10	15.563	176	1835593	18.834	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.687	200	322982	14.275	ng/ul	0.00
73) Anthracene-d10	17.428	188	2903902	18.308	ng/ul	0.00
81) Pyrene-d10	19.663	212	3527395	18.618	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.721	264	2691821	18.218	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.358	88	13778	1.207	ng/uL#	89
5) Pyridine	3.770	79	113022	3.662	ng/ul#	53
6) Benzaldehyde	7.064	77	92034	6.173	ng/ul	94
8) Phenol	7.116	94	136699	3.551	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.346	93	119865	3.794	ng/ul	92
12) 2-Chlorophenol	7.487	128	109172	3.552	ng/ul#	92
13) 2-Methylphenol	8.375	108	93699	3.122	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.458	45	192225	4.433	ng/ul#	96
16) Acetophenone	8.758	105	184955	3.866	ng/ul#	94
17) N-Nitroso-di-n-propyla...	8.740	70	93088	3.870	ng/ul	91
18) 4-Methylphenol	8.699	108	114195	3.435	ng/ul	97
19) Hexachloroethane	9.010	117	44296	3.606	ng/ul	99
22) Nitrobenzene	9.134	77	139007	3.892	ng/ul	90
23) Isophorone	9.663	82	243303	3.369	ng/ul	97
25) 2-Nitrophenol	9.852	139	63038	3.395	ng/ul	91
26) 2,4-Dimethylphenol	9.910	107	127114	3.509	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.146	93	170621	3.695	ng/ul	99
29) 2,4-Dichlorophenol	10.381	162	118069	3.621	ng/ul	96
30) Naphthalene	10.793	128	397433	3.668	ng/ul	99
32) 4-Chloroaniline	10.904	127	163653	3.520	ng/ul	97
33) Hexachlorobutadiene	11.069	225	86994	3.886	ng/ul	97
34) Caprolactam	11.704	113	28422m	2.557	ng/ul	
35) 4-Chloro-3-methylphenol	12.022	107	109129	3.280	ng/ul	96
36) 2-Methylnaphthalene	12.399	142	270262	3.636	ng/ul	99

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.616	142	279833	3.661	ng/ul#	100
39)	1,2,4,5-Tetrachloroben...	12.763	216	176773	3.662	ng/ul	97
40)	Hexachlorocyclopentadiene	12.740	237	70754	2.253	ng/ul	98
41)	2,4,6-Trichlorophenol	13.004	196	92763	2.990	ng/ul	97
42)	2,4,5-Trichlorophenol	13.075	196	103754	3.114	ng/ul	99
43)	1,1'-Biphenyl	13.404	154	393910	3.499	ng/ul	98
44)	2-Chloronaphthalene	13.446	162	310250	3.502	ng/ul	98
45)	2-Nitroaniline	13.657	65	65853	3.066	ng/ul	93
47)	Dimethylphthalate	14.022	163	411538	3.604	ng/ul	99
48)	2,6-Dinitrotoluene	14.151	165	59026	2.782	ng/ul	87
50)	Acenaphthylene	14.293	152	475067	3.491	ng/ul	98
51)	3-Nitroaniline	14.481	138	56573	2.823	ng/ul	89
52)	Acenaphthene	14.634	153	337850	3.582	ng/ul	100
53)	2,4-Dinitrophenol	14.693	184	23130	1.595	ng/ul	91
55)	4-Nitrophenol	14.787	109	49583m	3.507	ng/ul	
56)	Dibenzofuran	14.969	168	492865	3.676	ng/ul	100
57)	2,4-Dinitrotoluene	14.940	165	94169	3.055	ng/ul	94
58)	2,3,4,6-Tetrachlorophenol	15.198	232	96473	3.173	ng/ul	96
59)	Diethylphthalate	15.387	149	373534	3.365	ng/ul	99
61)	Fluorene	15.622	166	401016	3.729	ng/ul	98
62)	4-Chlorophenyl-phenyle...	15.610	204	219739	3.864	ng/ul	98
63)	4-Nitroaniline	15.645	138	61731	3.501	ng/ul	91
66)	4,6-Dinitro-2-methylph...	15.698	198	66213	2.995	ng/ul#	76
67)	N-Nitrosodiphenylamine	15.828	169	329420	3.380	ng/ul	100
68)	4-Bromophenyl-phenylether	16.510	248	129897	3.402	ng/ul	99
69)	Hexachlorobenzene	16.628	284	160364	3.537	ng/ul	97
70)	Atrazine	16.781	200	111377	2.932	ng/ul	99
71)	Pentachlorophenol	16.975	266	65771	2.396	ng/ul	92
72)	Phenanthrene	17.369	178	659217	3.600	ng/ul	99
74)	Anthracene	17.463	178	656598	3.591	ng/ul	99
75)	1,2,3,4-Tetrachloroben...	13.369	216	178140	3.551	ng/uL	98
76)	Pentachlorobenzene	14.887	250	176834	3.458	ng/uL	99
77)	Carbazole	17.734	167	524063	3.403	ng/ul	99
78)	Di-n-butylphthalate	18.275	149	548962	2.928	ng/ul	99
80)	Fluoranthene	19.333	202	764881	3.557	ng/ul	99
82)	Pyrene	19.686	202	839670	3.785	ng/ul	100
83)	Butylbenzylphthalate	20.551	149	223636	2.610	ng/ul	92
84)	3,3'-Dichlorobenzidine	21.327	252	201825	2.707	ng/ul	99
85)	Benzo(a)anthracene	21.398	228	777913	3.550	ng/ul	98
86)	Bis(2-ethylhexyl)phtha...	21.310	149	321616	2.661	ng/ul	100
87)	Chrysene	21.451	228	754127	3.639	ng/ul	99
89)	Di-n-octyl phthalate	22.251	149	493423	2.971	ng/ul	100
90)	Benzo(b)fluoranthene	23.121	252	673229	3.562	ng/ul	100
91)	Benzo(k)fluoranthene	23.174	252	676972	3.612	ng/ul	100
93)	Benzo(a)pyrene	23.769	252	579394	3.520	ng/ul	98
94)	Indeno(1,2,3-cd)pyrene	26.451	276	615263	3.001	ng/ul	99
95)	Dibenzo(a,h)anthracene	26.468	278	514358	3.030	ng/ul	99
96)	Benzo(g,h,i)perylene	27.239	276	501192	3.045	ng/ul	97

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

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