Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010923\
Data File : BP013415.D
Acq On : 09 Jan 2023 12:28
Operator : CG/JU
Sample : N4239-04
Misc : SFAM-MDL-S-02-4PPM
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 12:53:28 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

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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay
01/10/2023

Supervised By :mohammad ahmed
01/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	516430	20.000	ng/ul	0.00
20) Naphthalene-d8	10.728	136	2117441	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.563	164	1352995	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.322	188	3060112	20.000	ng/ul	0.00
79) Chrysene-d12	21.410	240	3123356	20.000	ng/ul	0.00
88) Perylene-d12	23.874	264	3334781	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.311	96	57262	4.310	ng/uL	0.00
4) Pyridine-d5	3.740	84	481456	12.992	ng/ul	0.00
7) Phenol-d5	7.075	99	739019	17.246	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.246	67	504963	18.678	ng/ul	0.00
11) 2-Chlorophenol-d4	7.446	132	594025	18.588	ng/ul	0.00
15) 4-Methylphenol-d8	8.628	113	565860	17.332	ng/ul	0.00
21) Nitrobenzene-d5	9.087	128	270084	17.914	ng/ul	0.00
24) 2-Nitrophenol-d4	9.810	143	297470	18.024	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.346	165	576817	17.537	ng/ul	0.00
31) 4-Chloroaniline-d4	10.869	131	777860	16.787	ng/ul	0.00
46) Dimethylphthalate-d6	13.969	166	1829656	18.561	ng/ul	0.00
49) Acenaphthylene-d8	14.257	160	1967126	18.028	ng/ul	0.00
54) 4-Nitrophenol-d4	14.763	143	275881	15.290	ng/ul	0.00
60) Fluorene-d10	15.557	176	1586941	18.226	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.681	200	290476	14.970	ng/ul	0.00
73) Anthracene-d10	17.422	188	2422034	17.907	ng/ul	0.00
81) Pyrene-d10	19.651	212	3036622	17.869	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.716	264	3063389	18.701	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.346	88	17723	1.211	ng/uL	93
5) Pyridine	3.764	79	123115	3.285	ng/ul#	79
6) Benzaldehyde	7.058	77	91057	5.571	ng/ul	98
8) Phenol	7.105	94	176359	3.978	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.340	93	150713	4.299	ng/ul	98
12) 2-Chlorophenol	7.475	128	142061	4.267	ng/ul	99
13) 2-Methylphenol	8.363	108	115643	3.632	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.452	45	240916	4.453	ng/ul	98
16) Acetophenone	8.746	105	214574	4.164	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.728	70	107198	4.351	ng/ul	99
18) 4-Methylphenol	8.693	108	138742	3.965	ng/ul	97
19) Hexachloroethane	8.999	117	55847	4.163	ng/ul	97
22) Nitrobenzene	9.128	77	165488	4.205	ng/ul	99
23) Isophorone	9.657	82	270966	3.934	ng/ul	99
25) 2-Nitrophenol	9.840	139	73773	4.111	ng/ul	94
26) 2,4-Dimethylphenol	9.899	107	135937	3.631	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.134	93	190644	4.189	ng/ul	97
29) 2,4-Dichlorophenol	10.375	162	134077	4.075	ng/ul	96
30) Naphthalene	10.781	128	467884	4.154	ng/ul	99
32) 4-Chloroaniline	10.893	127	180057	3.865	ng/ul	99
33) Hexachlorobutadiene	11.057	225	99865	4.226	ng/ul	99
34) Caprolactam	11.704	113	36273m	3.705	ng/ul	
35) 4-Chloro-3-methylphenol	12.016	107	116881	3.680	ng/ul	99
36) 2-Methylnaphthalene	12.387	142	302675	4.202	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.604	142	266887	3.572	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.751	216	190750	4.112	ng/ul	99
40) Hexachlorocyclopentadiene	12.728	237	91006	3.261	ng/ul	97
41) 2,4,6-Trichlorophenol	12.998	196	99042	3.630	ng/ul	97
42) 2,4,5-Trichlorophenol	13.069	196	108670	3.660	ng/ul	96
43) 1,1'-Biphenyl	13.393	154	419374	4.083	ng/ul	99
44) 2-Chloronaphthalene	13.440	162	332199	4.008	ng/ul	99
45) 2-Nitroaniline	13.646	65	64178	3.199	ng/ul	98
47) Dimethylphthalate	14.016	163	416143	4.225	ng/ul	99
48) 2,6-Dinitrotoluene	14.140	165	58429	3.426	ng/ul	90
50) Acenaphthylene	14.287	152	498020	4.141	ng/ul	98
51) 3-Nitroaniline	14.469	138	55385	3.066	ng/ul	98
52) Acenaphthene	14.628	153	350143	4.068	ng/ul	99
53) 2,4-Dinitrophenol	14.681	184	54968	4.330	ng/ul	91
55) 4-Nitrophenol	14.775	109	50138	3.656	ng/ul	93
56) Dibenzofuran	14.963	168	508448	4.113	ng/ul	99
57) 2,4-Dinitrotoluene	14.928	165	89499	3.530	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.192	232	95966	3.705	ng/ul	100
59) Diethylphthalate	15.381	149	376132	4.080	ng/ul	99
61) Fluorene	15.610	166	408061	4.136	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.604	204	219273	4.256	ng/ul	97
63) 4-Nitroaniline	15.634	138	57346m	3.434	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.692	198	86793	4.532	ng/ul#	90
67) N-Nitrosodiphenylamine	15.822	169	325388	3.932	ng/ul	99
68) 4-Bromophenyl-phenylether	16.504	248	126278	3.984	ng/ul	97
69) Hexachlorobenzene	16.622	284	151326	3.959	ng/ul	99
70) Atrazine	16.775	200	137239	4.338	ng/ul	95
71) Pentachlorophenol	16.969	266	82555m	3.629	ng/ul	
72) Phenanthrene	17.363	178	663887	4.081	ng/ul	99
74) Anthracene	17.457	178	626484	3.898	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.363	216	162072	3.507	ng/uL	100
76) Pentachlorobenzene	14.881	250	152726	3.394	ng/uL	99
77) Carbazole	17.728	167	510601	3.668	ng/ul	99
78) Di-n-butylphthalate	18.269	149	541854	3.969	ng/ul	100
80) Fluoranthene	19.328	202	757033	3.892	ng/ul	99
82) Pyrene	19.680	202	853410	4.141	ng/ul	97
83) Butylbenzylphthalate	20.551	149	224992	3.598	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.322	252	198084	3.441	ng/ul#	99
85) Benzo(a)anthracene	21.392	228	818874	3.959	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.304	149	335522	3.852	ng/ul	98
87) Chrysene	21.445	228	814168	4.038	ng/ul	99
89) Di-n-octyl phthalate	22.245	149	550024	3.848	ng/ul	100
90) Benzo(b)fluoranthene	23.116	252	858865	4.072	ng/ul	100
91) Benzo(k)fluoranthene	23.169	252	854365	4.246	ng/ul	98
93) Benzo(a)pyrene	23.763	252	802543	4.334	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.439	276	1024676	3.994	ng/ul	99
95) Dibenzo(a,h)anthracene	26.457	278	854004	3.990	ng/ul	99
96) Benzo(g,h,i)perylene	27.233	276	823366	3.902	ng/ul	97

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

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