Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021025\
Data File : BP024024.D
Acq On : 10 Feb 2025 23:15
Operator : RC/JU
Sample : Q1274-02MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCZT0MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/12/2025
Supervised By :Sohil Jodhani 02/18/2025

Quant Time: Feb 12 16:49:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP012925.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 03 11:19:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	463794	20.000	ng/ul	0.00
20) Naphthalene-d8	10.540	136	1926843	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.381	164	1255444	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.175	188	2403395	20.000	ng/ul	-0.01
79) Chrysene-d12	21.604	240	2398871	20.000	ng/ul	-0.04
88) Perylene-d12	24.951	264	2592410	20.000	ng/ul	-0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.287	96	50951	4.564	ng/uL	0.00
4) Pyridine-d5	3.699	84	752882	23.374	ng/ul	0.00
7) Phenol-d5	6.958	99	423820	10.326	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.105	67	556580	25.619	ng/ul	0.00
11) 2-Chlorophenol-d4	7.311	132	79257	2.459	ng/ul	0.00
15) 4-Methylphenol-d8	8.481	113	543019	16.196	ng/ul	0.00
21) Nitrobenzene-d5	8.910	128	420485	27.276	ng/ul	0.00
24) 2-Nitrophenol-d4	9.693	143	23144m	1.391	ng/ul	0.06
28) 2,4-Dichlorophenol-d3	10.204	165	45439m	1.489	ng/ul	0.04
31) 4-Chloroaniline-d4	10.675	131	1185392	25.975	ng/ul	0.00
46) Dimethylphthalate-d6	13.793	166	2372658	25.337	ng/ul	0.00
49) Acenaphthylene-d8	14.075	160	2921511	27.662	ng/ul	0.00
54) 4-Nitrophenol-d4	14.616	143	61629	3.314	ng/ul	0.00
60) Fluorene-d10	15.392	176	2153104	27.303	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.534	200	10478	0.707	ng/ul	0.02
73) Anthracene-d10	17.275	188	3458461	29.307	ng/ul	-0.01
81) Pyrene-d10	19.639	212	3803719	29.593	ng/ul	-0.02
92) Benzo(a)pyrene-d12	24.727	264	3996969	29.550	ng/ul	-0.05
Target Compounds						Qvalue
2) 1,4-Dioxane	3.323	88	144778	12.333	ng/uL	98
5) Pyridine	3.717	79	1018952	31.597	ng/ul	100
6) Benzaldehyde	6.916	77	197423	9.800	ng/ul	95
8) Phenol	6.987	94	1457644	34.586	ng/ul	100
10) Bis(2-Chloroethyl)ether	7.193	93	1027193	32.018	ng/ul	99
12) 2-Chlorophenol	7.346	128	1150963	34.662	ng/ul	100
13) 2-Methylphenol	8.216	108	1045321	32.964	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.281	45	1054669	31.864	ng/ul	98
16) Acetophenone	8.581	105	1749837	34.139	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.563	70	734270	30.422	ng/ul	99
18) 4-Methylphenol	8.540	108	1150823	32.709	ng/ul	97
19) Hexachloroethane	8.840	117	464032	35.342	ng/ul	98
22) Nitrobenzene	8.952	77	1131282	33.815	ng/ul	99
23) Isophorone	9.475	82	2444337	36.186	ng/ul	98
25) 2-Nitrophenol	9.657	139	590191	32.529	ng/ul	98
26) 2,4-Dimethylphenol	9.728	107	980225	29.190	ng/ul	99
27) Bis(2-Chloroethoxy)met...	9.952	93	1348138	32.040	ng/ul	99
29) 2,4-Dichlorophenol	10.204	162	1071810	34.635	ng/ul	100
30) Naphthalene	10.587	128	3501045	33.945	ng/ul	99
32) 4-Chloroaniline	10.699	127	795801	18.478	ng/ul	100
33) Hexachlorobutadiene	10.875	225	657573	35.100	ng/ul	99
34) Caprolactam	11.481	113	370140	30.874	ng/ul#	60
35) 4-Chloro-3-methylphenol	11.846	107	1096908	32.975	ng/ul	98
36) 2-Methylnaphthalene	12.199	142	2591259	35.732	ng/ul	100

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.416	142	2561836	35.610	ng/ul	100
39)	1,2,4,5-Tetrachloroben...	12.563	216	1257753	33.888	ng/ul	99
40)	Hexachlorocyclopentadiene	12.546	237	515462	24.647	ng/ul	99
41)	2,4,6-Trichlorophenol	12.822	196	840876	33.918	ng/ul	99
42)	2,4,5-Trichlorophenol	12.898	196	920710	34.456	ng/ul	99
43)	1,1'-Biphenyl	13.204	154	3134463	33.635	ng/ul	99
44)	2-Chloronaphthalene	13.251	162	2386998	32.873	ng/ul	100
45)	2-Nitroaniline	13.457	65	644323	34.094	ng/ul	97
47)	Dimethylphthalate	13.840	163	2841121	30.493	ng/ul	100
48)	2,6-Dinitrotoluene	13.951	165	598750	32.883	ng/ul	100
50)	Acenaphthylene	14.104	152	3720954	33.082	ng/ul	99
51)	3-Nitroaniline	14.287	138	495868	24.780	ng/ul	94
52)	Acenaphthene	14.445	153	2678999	33.594	ng/ul	100
53)	2,4-Dinitrophenol	14.498	184	298172	27.468	ng/ul	96
55)	4-Nitrophenol	14.640	109	464974	35.341	ng/ul	86
56)	Dibenzofuran	14.792	168	3666723	33.183	ng/ul	100
57)	2,4-Dinitrotoluene	14.757	165	870532	32.142	ng/ul#	98
58)	2,3,4,6-Tetrachlorophenol	15.028	232	823155	36.201	ng/ul#	95
59)	Diethylphthalate	15.216	149	2928832	31.375	ng/ul	98
61)	Fluorene	15.445	166	3036260	33.122	ng/ul	99
62)	4-Chlorophenyl-phenyle...	15.440	204	1460921	32.195	ng/ul	98
63)	4-Nitroaniline	15.469	138	738957	37.955	ng/ul	98
66)	4,6-Dinitro-2-methylph...	15.534	198	462805	28.391	ng/ul#	83
67)	N-Nitrosodiphenylamine	15.663	169	2680572	36.545	ng/ul	96
68)	4-Bromophenyl-phenylether	16.351	248	959793	35.396	ng/ul	97
69)	Hexachlorobenzene	16.469	284	1189432	36.203	ng/ul	98
70)	Atrazine	16.639	200	936898	32.984	ng/ul	97
71)	Pentachlorophenol	16.828	266	1347467	66.678	ng/ul	99
72)	Phenanthrene	17.222	178	5022923	37.008	ng/ul	99
74)	Anthracene	17.310	178	4722235	34.500	ng/ul	99
75)	1,2,3,4-Tetrachloroben...	13.175	216	1225764	34.829	ng/uL	99
76)	Pentachlorobenzene	14.710	250	1308529	34.501	ng/uL	100
77)	Carbazole	17.592	167	4376777	36.499	ng/ul	97
78)	Di-n-butylphthalate	18.181	149	5323022	35.865	ng/ul	99
80)	Fluoranthene	19.292	202	5347869	36.121	ng/ul	99
82)	Pyrene	19.669	202	5810530	37.529	ng/ul	99
83)	Butylbenzylphthalate	20.622	149	2421809	36.323	ng/ul	96
84)	3,3'-Dichlorobenzidine	21.504	252	1689825	32.559	ng/ul	99
85)	Benzo(a)anthracene	21.586	228	5468419	34.666	ng/ul	99
86)	Bis(2-ethylhexyl)phtha...	21.527	149	3597163	36.977	ng/ul	99
87)	Chrysene	21.651	228	5124438	35.256	ng/ul	98
89)	Di-n-octyl phthalate	22.804	149	5925770	38.132	ng/ul	100
90)	Benzo(b)fluoranthene	23.904	252	5483235	34.858	ng/ul	99
91)	Benzo(k)fluoranthene	23.963	252	5517730	34.990	ng/ul	100
93)	Benzo(a)pyrene	24.810	252	4993939	33.996	ng/ul	100
94)	Indeno(1,2,3-cd)pyrene	28.780	276	6497561m	34.124	ng/ul	
95)	Dibenzo(a,h)anthracene	28.833	278	5220109m	33.796	ng/ul	
96)	Benzo(g,h,i)perylene	29.962	276	5012052	34.365	ng/ul	99

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

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