Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012825\
Data File : BM049479.D
Acq On : 28 Jan 2025 21:59
Operator : RC/JU
Sample : Q1188-06MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GCQC1MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 01/29/2025
Supervised By :mohammad ahmed 02/05/2025

Quant Time: Jan 29 07:45:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	243574	20.000	ng/ul	0.00
20) Naphthalene-d8	10.269	136	889600	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.151	164	566630	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.904	188	1155380	20.000	ng/ul	0.00
79) Chrysene-d12	21.133	240	1189237	20.000	ng/ul	0.00
88) Perylene-d12	23.915	264	1170615	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.116	96	27210	4.139	ng/uL	0.00
4) Pyridine-d5	3.511	84	149050	7.717	ng/ul	0.00
7) Phenol-d5	6.710	99	163854	8.290	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.863	67	357855	26.477	ng/ul	0.00
11) 2-Chlorophenol-d4	7.051	132	384518	25.140	ng/ul	0.00
15) 4-Methylphenol-d8	8.228	113	252552	17.440	ng/ul	0.00
21) Nitrobenzene-d5	8.657	128	187316	27.523	ng/ul	0.00
24) 2-Nitrophenol-d4	9.369	143	212481	28.623	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.904	165	434719	28.697	ng/ul	0.00
31) 4-Chloroaniline-d4	10.416	131	343160	17.660	ng/ul	0.00
46) Dimethylphthalate-d6	13.575	166	1314915	31.649	ng/ul	0.00
49) Acenaphthylene-d8	13.839	160	1403526	28.752	ng/ul	0.00
54) 4-Nitrophenol-d4	14.380	143	69020	10.127	ng/ul	0.00
60) Fluorene-d10	15.151	176	1147561	31.409	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	228451	31.378	ng/ul	0.00
73) Anthracene-d10	17.004	188	1760812	30.519	ng/ul	0.00
81) Pyrene-d10	19.309	212	2216849	31.887	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.727	264	1801783	28.858	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.152	88	70013	10.135	ng/uL	90
5) Pyridine	3.528	79	426870	21.550	ng/ul	97
6) Benzaldehyde	6.669	77	32591	3.002	ng/ul	97
8) Phenol	6.734	94	568948	27.424	ng/ul	99
10) Bis(2-Chloroethyl)ether	6.951	93	454462	26.863	ng/ul	99
12) 2-Chlorophenol	7.087	128	439079	27.799	ng/ul	99
13) 2-Methylphenol	7.963	108	396620	27.281	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.034	45	711501	27.302	ng/ul	100
16) Acetophenone	8.328	105	654010	27.158	ng/ul	100
17) N-Nitroso-di-n-propyla...	8.316	70	363605	28.789	ng/ul	98
18) 4-Methylphenol	8.287	108	426699	27.193	ng/ul	100
19) Hexachloroethane	8.569	117	191275	27.562	ng/ul	97
22) Nitrobenzene	8.698	77	508898	27.995	ng/ul	99
23) Isophorone	9.222	82	947656	29.154	ng/ul	100
25) 2-Nitrophenol	9.398	139	238575	28.944	ng/ul	95
26) 2,4-Dimethylphenol	9.475	107	387539	25.549	ng/ul	99
27) Bis(2-Chloroethoxy)met...	9.704	93	581455	28.561	ng/ul	98
29) 2,4-Dichlorophenol	9.934	162	446942	29.349	ng/ul	97
30) Naphthalene	10.322	128	1308610	27.629	ng/ul	99
32) 4-Chloroaniline	10.439	127	205240	11.039	ng/ul	100
33) Hexachlorobutadiene	10.610	225	315485	27.636	ng/ul	98
34) Caprolactam	11.216	113	132620m	31.571	ng/ul	
35) 4-Chloro-3-methylphenol	11.581	107	426985	32.453	ng/ul	99
36) 2-Methylnaphthalene	11.939	142	940443	29.113	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.163	142	930363	29.215	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.322	216	589961	28.246	ng/ul	98
40) Hexachlorocyclopentadiene	12.304	237	303623	24.779	ng/ul	99
41) 2,4,6-Trichlorophenol	12.575	196	385419	31.290	ng/ul	98
42) 2,4,5-Trichlorophenol	12.645	196	416909	32.204	ng/ul	98
43) 1,1'-Biphenyl	12.980	154	1246131	28.985	ng/ul	99
44) 2-Chloronaphthalene	13.016	162	1010780	28.999	ng/ul	99
45) 2-Nitroaniline	13.233	65	283743	32.406	ng/ul	99
47) Dimethylphthalate	13.622	163	1334646	32.338	ng/ul	100
48) 2,6-Dinitrotoluene	13.739	165	261377	35.214	ng/ul	99
50) Acenaphthylene	13.869	152	1504638	30.003	ng/ul	99
51) 3-Nitroaniline	14.069	138	169192	22.947	ng/ul	98
52) Acenaphthene	14.216	153	1085338	30.313	ng/ul	100
53) 2,4-Dinitrophenol	14.275	184	148286	32.309	ng/ul	96
55) 4-Nitrophenol	14.398	109	161926	32.472	ng/ul	95
56) Dibenzofuran	14.557	168	1574603	30.843	ng/ul	99
57) 2,4-Dinitrotoluene	14.533	165	395039	35.591	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	14.792	232	362364	34.370	ng/ul	94
59) Diethylphthalate	15.004	149	1339797	34.197	ng/ul	99
61) Fluorene	15.210	166	1349753	32.719	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.210	204	719273	32.144	ng/ul	96
63) 4-Nitroaniline	15.239	138	261092	38.347	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.298	198	257077	32.215	ng/ul	99
67) N-Nitrosodiphenylamine	15.427	169	1108669	32.190	ng/ul	99
68) 4-Bromophenyl-phenylether	16.104	248	434590	32.942	ng/ul	95
69) Hexachlorobenzene	16.216	284	500237	32.836	ng/ul	100
70) Atrazine	16.392	200	407374	30.049	ng/ul	97
71) Pentachlorophenol	16.563	266	310144	32.331	ng/ul	100
72) Phenanthrene	16.945	178	2122443	32.634	ng/ul	99
74) Anthracene	17.039	178	2135572	32.600	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.939	216	574068	27.491	ng/uL	99
76) Pentachlorobenzene	14.475	250	575454	28.820	ng/uL	100
77) Carbazole	17.315	167	1925038	32.879	ng/ul	99
78) Di-n-butylphthalate	17.898	149	2432784	36.378	ng/ul	100
80) Fluoranthene	18.974	202	2589424	32.611	ng/ul	99
82) Pyrene	19.339	202	2790836	32.665	ng/ul	100
83) Butylbenzylphthalate	20.268	149	1069988	37.187	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.056	252	423201	18.742	ng/ul	99
85) Benzo(a)anthracene	21.121	228	2759480	33.032	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.074	149	1601600	37.883	ng/ul	99
87) Chrysene	21.180	228	2588599	33.366	ng/ul	100
89) Di-n-octyl phthalate	22.133	149	2614877	36.517	ng/ul	100
90) Benzo(b)fluoranthene	23.045	252	2615307	34.467	ng/ul	100
91) Benzo(k)fluoranthene	23.103	252	2615018	34.106	ng/ul	99
93) Benzo(a)pyrene	23.786	252	2383156	33.481	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.003	276	2964121	33.597	ng/ul	99
95) Dibenzo(a,h)anthracene	27.050	278	2423290	33.897	ng/ul	99
96) Benzo(g,h,i)perylene	27.956	276	2274448	33.906	ng/ul	99

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

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