

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010325\
 Data File : BN035881.D
 Acq On : 03 Jan 2025 09:31
 Operator : RC/JU
 Sample : SST00598
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST005238

Quant Time: Jan 03 12:24:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010325.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 03 12:03:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/06/2025
 Supervised By :mohammad ahmed 01/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.831	152	35600	20.000	ng/u1	0.00
20) Naphthalene-d8	10.625	136	127024	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.466	164	73041	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	142264	20.000	ng/u1	0.00
79) Chrysene-d12	21.448	240	162280	20.000	ng/u1	0.00
88) Perylene-d12	24.501	264	191377	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.284	96	1529	1.952	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	0.000	99	0d	0.000	ng/u1	
9) Bis-(2-Chloroethyl)eth...	0.000	67	0d	0.000	ng/u1	
11) 2-Chlorophenol-d4	7.355	132	9006	4.223	ng/u1	0.00
15) 4-Methylphenol-d8	0.000	113	0d	0.000	ng/u1	
21) Nitrobenzene-d5	8.978	128	3715	4.483	ng/u1	0.00
24) 2-Nitrophenol-d4	9.701	143	3119	3.443	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.237	165	7896	3.884	ng/u1	0.00
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/u1	
46) Dimethylphthalate-d6	13.878	166	21969	4.257	ng/u1	0.00
49) Acenaphthylene-d8	14.160	160	27318	4.713	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.454	176	20850	4.634	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.307	188	33559	5.274	ng/u1	0.00
81) Pyrene-d10	19.595	212	35924	4.249	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.295	264	39712	4.264	ng/u1	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.314	88	1768	2.015	ng/uL#	90
12) 2-Chlorophenol	7.390	128	9792	4.405	ng/u1	93
17) N-Nitroso-di-n-propyla...	8.631	70	6805	4.131	ng/u1#	89
19) Hexachloroethane	8.919	117	4925	5.071	ng/u1	87
22) Nitrobenzene	9.019	77	11408	5.316	ng/u1#	88
23) Isophorone	9.549	82	18141	4.381	ng/u1#	97
25) 2-Nitrophenol	9.731	139	3729	3.571	ng/u1	92
26) 2,4-Dimethylphenol	9.796	107	10847	4.973	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.037	93	10920	4.310	ng/u1	97
29) 2,4-Dichlorophenol	10.260	162	8548	4.137	ng/u1	95
30) Naphthalene	10.678	128	32202	4.933	ng/u1	99
33) Hexachlorobutadiene	10.972	225	8614	5.686	ng/u1	90
35) 4-Chloro-3-methylphenol	11.895	107	7852	3.675	ng/u1	95
36) 2-Methylnaphthalene	12.290	142	20539	4.353	ng/u1	89
37) 1-Methylnaphthalene	12.507	142	20115	4.187	ng/u1	95
39) 1,2,4,5-Tetrachloroben...	12.654	216	12765	5.769	ng/u1	98
41) 2,4,6-Trichlorophenol	12.890	196	5392	3.937	ng/u1	100
42) 2,4,5-Trichlorophenol	12.960	196	6316	4.130	ng/u1	91
43) 1,1'-Biphenyl	13.301	154	26550	5.224	ng/u1#	93
44) 2-Chloronaphthalene	13.337	162	21673	5.318	ng/u1	96
45) 2-Nitroaniline	13.531	65	3831	4.598	ng/u1#	80
47) Dimethylphthalate	13.919	163	23195	4.474	ng/u1	98
48) 2,6-Dinitrotoluene	14.031	165	3051	3.607	ng/u1	94
50) Acenaphthylene	14.184	152	30491	4.935	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	14.531	153	22700	5.125	ng/ul	93
56) Dibenzofuran	14.866	168	31186	4.966	ng/ul	95
57) 2,4-Dinitrotoluene	14.813	165	4513	3.402	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.084	232	4125	3.176	ng/ul#	91
59) Diethylphthalate	15.289	149	21836	4.335	ng/ul	95
61) Fluorene	15.513	166	24611	4.851	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.513	204	13057	5.057	ng/ul	94
67) N-Nitrosodiphenylamine	15.719	169	19899	5.177	ng/ul	95
68) 4-Bromophenyl-phenylether	16.401	248	7055	4.924	ng/ul	93
69) Hexachlorobenzene	16.519	284	7922	4.682	ng/ul	92
72) Phenanthrene	17.248	178	39940	5.389	ng/ul	97
74) Anthracene	17.336	178	38439	5.120	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.260	216	11569	5.877	ng/uL	97
76) Pentachlorobenzene	14.784	250	11363	5.709	ng/uL	95
78) Di-n-butylphthalate	18.189	149	29513	4.159	ng/ul	98
80) Fluoranthene	19.266	202	43324	4.382	ng/ul	99
82) Pyrene	19.624	202	48644	4.523	ng/ul#	97
83) Butylbenzylphthalate	20.536	149	9553	3.307	ng/ul	98
85) Benzo(a)anthracene	21.430	228	49242	4.565	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.383	149	14710	3.245	ng/ul	99
87) Chrysene	21.495	228	49499	4.762	ng/ul	93
90) Benzo(b)fluoranthene	23.536	252	46980m	4.269	ng/ul	
91) Benzo(k)fluoranthene	23.601	252	50905	4.532	ng/ul	97
93) Benzo(a)pyrene	24.354	252	47150	4.519	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.936	276	61661m	4.893	ng/ul	
95) Dibenzo(a,h)anthracene	28.012	278	49051	4.815	ng/ul#	93
96) Benzo(g,h,i)perylene	29.018	276	50755	5.253	ng/ul#	93

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

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